

# Undergraduate Academic Catalog • 06/07

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**[www.rider.edu](http://www.rider.edu)**

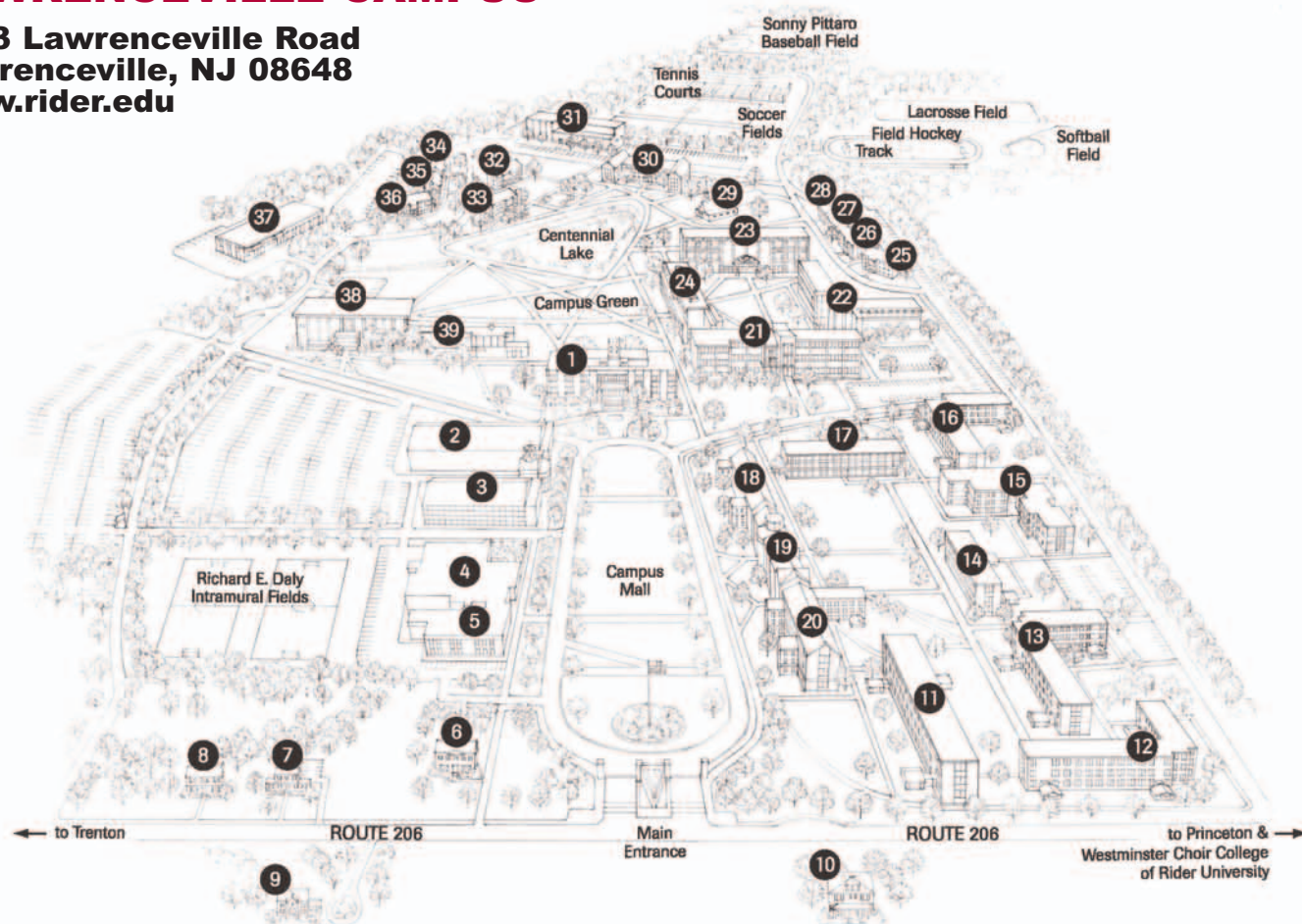
# RIDER

UNIVERSITY

## LAWRENCEVILLE CAMPUS

2083 Lawrenceville Road  
Lawrenceville, NJ 08648

[www.rider.edu](http://www.rider.edu)



### Rider University

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|--|--|
| 1 – Franklin F. Moore Library<br>(Ground Floor: University Administrative Offices) | 21 – Memorial Hall (School of Education)                                 |
| 2 – Student Recreation Center  | 22 – Science and Technology Center                                       |
| 3 – Alumni Gymnasium   | 23 – Fine Arts Center & The Yvonne Theater                               |
| 4 – Daly Dining Hall   | 24 – Anne Brossman Sweigart Hall<br>(College of Business Administration) |
| 5 – Joseph P. Vona Academic Annex (Learning Resource Center)                       | 25 – Delta Phi Epsilon Sorority  |
| 6 – Van Cleve Alumni House   | 26 – Centennial House  |
| 7 – Zoerner House (Counseling Center)  | 27 – Alpha Xi Delta Sorority   |
| 8 – West House (Dean of Students House)  | 28 – Zeta Tau Alpha Sorority   |
| 9 – President's House  | 29 – Gill Memorial Chapel  |
| 10 – Emmaus House (Catholic Student Center)  | 30 – Poyda Residence Hall  |
| 11 – Switlik Residence Hall  | 31 – Maurer Physical Education Center                                    |
| 12 – Conover Residence Hall  | 32 – Zeta Beta Tau Fraternity  |
| 13 – Olson Residence Hall  | 33 – University House  |
| 14 – Gee Residence Hall  | 34 – Phi Sigma Sigma Sorority  |
| 15 – Lincoln Residence Hall  | 35 – Ridge House   |
| 16 – Kroner Residence Hall   | 36 – Phi Kappa Tau Fraternity  |
| 17 – Wright Residence Hall   | 37 – General Services Building   |
| 18 – Ziegler Residence Hall  | 38 – The Bart Luedeke Center (Student Center)                            |
| 19 – The New Residence Hall  | 39 – P.J. Ciambelli Hall (Office of Admission)                           |
| 20 – Hill Residence Hall   |  |

# GENERAL INFORMATION

## Rider's Vision

Rider University will be a leader in American higher education celebrated for educating talented students for citizenship, life and career success in a diverse and interdependent world. Rider will achieve distinctiveness by focusing on students first, by cultivating leadership skills, by affirming teaching and learning that bridges the theoretical and the practical, and by fostering a culture of academic excellence.

## Rider's Mission Toward 2010

Rider attracts and graduates talented and motivated students with diverse backgrounds from across the nation and around the world, and puts them at the center of our learning and living community.

As a learner-centered University dedicated to the education of the whole student, Rider provides students the intellectual resources and breadth of student life opportunities of a comprehensive university with the personal attention and close student-faculty interactions of a liberal arts college.

Through a commitment to high quality teaching, scholarship and experiential opportunities, faculty on both campuses provide undergraduate and graduate students rigorous and relevant programs of study to expand their intellectual, cultural and personal horizons and develop their leadership skills. Our highly regarded programs in the arts, social sciences, music, business and education challenge students to become active learners who can acquire, interpret, communicate and apply knowledge within and across disciplines to foster the integrative thinking required in a complex and rapidly changing world.

Rider attracts highly qualified faculty, staff and administration with diverse backgrounds who create an environment which inspires intellectual and social engagement, stimulates innovation and service, and encourages personal and professional development. As key members of our University community, it is their commitment to our values, vision and mission that will ensure Rider's success.

The University's institutional identity will continue to reflect the strengths of its people, history, location and shared values, among which are a commitment to diversity, social and ethical responsibility, and community.

The success of our graduates will be demonstrated by their personal and career achievements and by their contributions to the cultural, social and economic life of their communities, the nation and the world.

## Historical Sketch

Rider University is an independent, private institution founded in 1865 as Trenton Business College. Soon after the turn of the century, teacher education was added to a curriculum that had focused on training young men and women for business careers. The first baccalaureate degree was offered in 1922. In 1957, offerings in liberal arts, science and secondary education were added.

Four separate schools emerged as a result of a reorganization in 1962. The well-established schools of Business Administration and Education were joined by two new schools—Liberal Arts and Science and the Evening School. The schools of Business Administration and Education have each since added a division of graduate studies and the Evening School has been reorganized into the College of Continuing Studies. In 1988, the School of Education was renamed the School of Education and Human Services to reflect the scope of its curricula. In July 1992, Westminster Choir College in Princeton, NJ, merged with Rider to become Westminster Choir College, The School of Music of Rider College.

On March 23, 1994, the New Jersey Board of Higher Education designated Rider a teaching university pursuant to N.J.A.C. 9:1-3.1 et seq. On April 13, 1994, Rider's name was officially changed to Rider University. Today, the University's academic units are the College of Business Administration; the College of Liberal Arts, Education, and Sciences (including the School of Education and the School of Liberal Arts and Sciences); the College of Continuing Studies; and Westminster Choir College.

## Academic Majors

Rider University offers the following undergraduate majors on its Lawrenceville campus:

Accounting  
Actuarial Science  
Advertising  
American Studies  
Biochemistry  
Biology  
Biopsychology  
Business Administration  
Business Economics  
Business Education  
Chemistry  
Communication (Business and Professional Communication,

Interpersonal Communication,  
Radio and TV)  
Computer Information Systems  
Economics  
Elementary Education  
English (Literature, Writing)  
Environmental Sciences  
Finance  
Fine Arts (Art, Dance, Music, Theater)  
French  
Geosciences  
German  
Global Business  
Global and Multinational Studies  
History  
Human Resource Management  
Journalism (Multimedia  
Communication, News-Editorial  
Journalism, Public Relations)  
Liberal Studies  
Management and Leadership  
Marine Sciences  
Marketing  
Marketing Education  
Mathematics  
Philosophy  
Physics  
Political Science  
Psychology  
Russian  
Secondary Education  
(English, Mathematics, Foreign  
Language, Science, Social Studies)  
Sociology  
Spanish

## Accreditations

The University's many specialized accreditations attest to the quality of its academic programs. Rider is among the select business schools to have attained AACSB International (Association to Advance Collegiate Schools of Business) accreditation and one of only two schools in New Jersey to hold the specialized AACSB accreditation in accounting. Elementary and secondary education programs and their applicable graduate programs on both campuses are accredited by the National Council for the Accreditation of Teacher Education (NCATE). The undergraduate and graduate music programs of Westminster Choir College are accredited by the National Association of Schools of Music (NASM). In addition, Rider's graduate counseling services program in the School of Education holds the Council for Accreditation of Counseling and Related Education Programs (CACREP) national accreditation. Rider University is regionally accredited by the Middle States Association of Colleges and Schools.



# GENERAL INFORMATION

## Memberships

Rider is a member of the Association of American Colleges, the American Council on Education, the New Jersey Association of Colleges and Universities, the National Commission on Accrediting (not an accrediting agency), the American Association of Colleges for Teacher Education, the National Association of Business Teacher Education, the Middle Atlantic Association of Colleges of Business Administration, AACSB International – The Association to Advance Collegiate Schools of Business, and the National Association of Schools of Public Affairs and Administration.

Rider University is also a member of the National Collegiate Athletic Association (NCAA) Division I for both men's and women's athletics. The University offers 20 varsity sports - 10 men's and 10 women's teams - and is a member of the Metro Atlantic Athletic Conference (MAAC).

## Professional Outreach and Service Programs

In Rider's efforts to fulfill one of its stated objectives, that of "seeking and implementing effective means for bringing the resources of the institution to bear on the needs of the broader society," Rider engages in activities that do so while providing additional study and training opportunities for both faculty and students.

The Business Advisory Board facilitates the exchange of ideas and advice between prominent leaders of the business community and Rider faculty, students and staff. The board provides a range of current and emerging business insights as input to development and advancement of the Rider business education experience. Similarly, the Accounting Advisory Council works closely with the accounting department on issues specific to the Master of Accountancy program and accounting in general. A specific service function is performed by the accounting department's participation in the Volunteer Income Tax Assistance (VITA) program. Each year, accounting majors reach into the community by helping (free of charge) elderly and low-income persons complete their tax returns. The students, in turn, benefit from special IRS training and the opportunity for field experience.

The Science Advisory Board provides a unique interface between Rider and the scientific and business communities. The board was established to provide advice and counsel on the continuing development of undergraduate science education at Rider and to effect cooperative efforts between the scientific and business communities.

The Education Advisory Board makes connections with alumni, government, schools, professional agencies, business and industry, and the general public to promote the interests of the professional programs and facilitate support for them.

## The EOP Community Advisory Board

The Rider University Community Advisory Board (CAB) is a component of the Educational Opportunity Program (EOP) comprised of volunteer professionals who are committed to the fortification of Rider University and its students. Its members represent a wide range of experiences from multiple disciplines and diverse backgrounds to promote advocacy for the EOP at Rider University. It has been established in accordance with New Jersey Educational Opportunity Fund guidelines for the purpose of providing guidance and support to successfully fulfill its mission as outlined in the Commission on Higher Education (CHE) regulations.

The EOP Community Advisory Board at Rider University draws its membership from local citizens.

EOP is a state-funded program that helps low-income New Jersey residents attend college. The purpose of this program is to provide access to higher education to students who may normally be denied an education due to affordability, lack of academic preparation, or the absence of sufficient guidance to aspire to higher educational goals.

EOP is an academic support program that provides financial aid assistance to its students. Students are admitted to EOP when they have demonstrated academic readiness, potential, determination, a genuine desire to learn, and a need for financial assistance. Students are interviewed by the EOP staff before being admitted into the program. Students receiving an EOP grant may also be eligible for other state and federal grants.

The program provides a comprehensive and rigorous academic experience designed to enhance students' persistence and, most importantly, lead to graduation. The program provides orientation; personal, academic, and career counseling; tutorial assistance; leadership development; and peer mentoring. All students who qualify for EOP participate in a mandatory five-week Pre-Freshman Summer Program. The summer program acclimates students to the rigors of academic life and the university environment.

## The Role of the EOP Community Advisory Board at Rider University

The Educational Opportunity Program Community Advisory Board at Rider University serves as an advocate for internal and external constituencies to develop and promote the goals for the Educational Opportunity Program (EOP) and to support Rider University's continued commitment to cultural diversity. The Rider University EOP/CAB fulfills this mission by:

- Identifying potential EOP students to Rider University;
- Aiding EOP staff in developing, coordinating, and enhancing retention programs;
- Securing resources for programs;
- Fostering an awareness and understanding of EOP in the broader Rider University community;
- Providing meaningful extracurricular, educational, and social programming opportunities for EOP students;
- Actively participating in fund-raising for EOP;
- Serving as a catalyst for employment and internship opportunities;
- Keeping abreast of higher education issues as they affect the EOP, Rider University, and the State of New Jersey;
- Participating in University events, other Rider committees, and professional and community organizations.

# Core Curriculum & Study Opportunities

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[www.rider.edu](http://www.rider.edu)

# CORE CURRICULUM AND STUDY OPPORTUNITIES

## Degrees

At its Lawrenceville campus, Rider University offers programs leading to five undergraduate degrees: Bachelor of Arts, Bachelor of Science, Bachelor of Science in Education, Bachelor of Science in Business Administration, and Associate in Arts. Undergraduate degrees in Bachelor of Music and Bachelor of Arts in Music, offered at Westminster Choir College in Princeton, are described in a separate catalog.

Rider may, through its academic governance process, change its academic policies and its degree requirements at any time. Any major change will include an implementation schedule that will take into account the impact upon matriculated students and that will clearly establish the applicability of the change on currently matriculated students.

## Core Curriculum: General Skills Requirements

The University community believes that essential to the college experience is the development of skills in critical thinking, communication, and computation. These skills develop throughout students' academic programs to provide links among academic disciplines and to support students' intellectual progress and academic and career success. Principles of critical thinking are embedded in Rider University courses across the disciplines and are supported by curriculum development workshops for faculty. Core curriculum requirements are stated below.

All students entering the University as freshmen as of September 1, 1996, and thereafter, are required to fulfill the general skills requirements of the core by completing the following:

**Reading:** appropriate score on placement test or CRC-100S: Introduction to Academic Reading (paired with a content course) (2 supplemental education units) or CRC-101S: Introduction to Academic Reading (self-contained) (2 supplemental education units) . . . . .0\*

**Writing:** CMP-115: Introduction to Expository Writing; CMP-120: Expository Writing (or BHP-100P: Honors Seminar: Great Ideas I) and CMP-125: Research Writing (or CMP-203: Literature and Composition or BHP-150: Honors Seminar: Great Ideas II) . . . . .6-9\*

**Computation:** as required by student's college . . . . .3-6\*\*

\*CMP-115: Introduction to Expository Writing will be waived for students who attain a score of 530 or above on the writing section of the SAT or a specified qualifying score on the English Department Placement Test.

\*\*Preparatory courses (bearing supplemental education units rather than graduation credits) may be required in reading, and computation, as determined by placement testing. Supplemental education units count toward a student's academic load and corresponding tuition charges, but do not affect the student's grade point average or credits toward graduation.

## Summer Session

Administered by the College of Continuing Studies, the summer session provides students with an opportunity to enrich their personal or professional backgrounds, complement work taken during the fall and spring semesters, and accelerate their academic programs. Summer session includes two six-week day sessions and two six-and-one-half week evening sessions. Further information about the summer session, including course offerings and application information, is included in the summer session catalog, available from Continuing Studies.

## Study Abroad Program

Study in a foreign country provides a unique opportunity for students to grow intellectually through exposure to the customs, habits, and languages of different cultures. Study abroad complements student educational experiences and helps prepare students for the global community in which they will live and work. Study experiences are available in many locations through Rider affiliated programs including such destinations as Austria, Australia, Belgium, Chile, China, Costa Rica, England, France, Hungary, Ireland, New Zealand, Puerto Rico, Scotland, Spain, and The Netherlands. Official Rider University agreements with partners such as IFSA-Butler, The American Institute for Foreign Study, and InterStudy facilitate study at some sites. Foreign language skills are an important consideration for study abroad (though some of these sites provide instruction in English). For students majoring in business, a program taught primarily in English has been established in Paris, France.

A minimum 2.5 cumulative grade point average at Rider University is required to apply to study abroad. In some cases, host institutions may require a higher cumulative grade point average. Most students elect to participate during their junior year and may elect to be abroad for one or two semesters. Applications must be completed and returned to the Study Abroad Office by March 1 for the fall term, and by October 1 for the spring term. As part of the process, applicants are required to submit an essay stating their reasons for wishing to study abroad. Two faculty recommendations are also required. Student participants will be provided with orientation information sessions and current foreign study site requirements.

In order to continue financial aid while abroad, students must have courses to be taken at the foreign site approved by Rider. Such courses must be directly related to progress toward graduation. As part of the application process, all students must complete a formal financial aid agreement. In rare cases instructional costs may exceed the costs at Rider University. In such cases students will be billed for the differential in cost.

Transportation and housing costs vary from site to site and are the responsibility of the student in most cases. Housing at foreign institutions may vary from residence halls at some sites, to pre-arranged apartments at others, to living with local families at still other sites. Housing arrangements are made through on-site advisors who work with Rider University to assist students with housing, adapting to life in another culture, and even assisting with course enrollment or travel plans.

Credit for study abroad is available for foreign language study, culturally oriented courses, core requirements, and for requirements of major and/or minor programs. The appropriate dean's office should approve courses before students enroll at study abroad sites. Credits awarded typically range from 12 to 17 per term. According to Rider academic policy, transcript credit for study abroad is awarded as PASS/FAIL based on the number of contact hours for courses taken as they correspond to those at Rider and the earning of a C grade or better for each course. For Rider affiliated programs, the site of foreign study, courses satisfactorily completed at that site, and the Rider equivalent courses will appear on the official Rider transcript for each student. Credit for courses previously completed at Rider will not be transferred.

Additional information is available on the Rider University Study Abroad Web Site.

# CORE CURRICULUM AND STUDY OPPORTUNITIES

Information is also available in the Study Abroad Office. Further information on the business program in Paris is available through the office of the dean of the College of Business Administration.

## BA, BS/MBA Program

The five-year integrated BA, BS/MBA program is designed for students who wish to combine undergraduate study in liberal arts and sciences leading to a Bachelor of Arts or Bachelor of Science degree with graduate study leading to the degree of Master of Business Administration. This intensive five-year program enables highly motivated students to engage in a broadly based preparation for a career in business or not-for-profit organizations.

A two-step admission process for this program carefully tracks students through the course requirements and ensures that only capable students are enrolled. Students apply for admission to the program during their first semester. Freshman students are strongly encouraged, when they start classes, to seek advice about the program from the deans' offices in business administration and liberal arts and sciences. Certain courses must be completed in the freshman and sophomore years if the student intends to complete the program within 10 semesters.

Step one of the admission process occurs prior to the beginning of the student's junior year (defined as 54 earned credit hours) and assumes completion of the first seven required business courses. The criteria considered in the step one admission decision are as follows:

- GPA (a minimum 3.0 is required);
- An interview with the director of the MBA Program;
- A statement of objectives prepared by the student that presents the student's reasons for wanting to enter the program;
- Completion of the required freshman and sophomore classes.

Step two of the admission process occurs in the first semester of the senior year. The student will apply through the Graduate Admissions Office. The process involves the following:

- A completed application for admission to the MBA program, accompanied by a \$40 nonrefundable application fee;
- Receipt of official transcripts from every college or university attended (including Rider University);
- A score on the Graduate Management Admissions Test (GMAT) that, combined with the GPA, shows evidence to

the Graduate Admissions Committee of ability to do graduate work at the high level established for the MBA Program. Students are advised to take the GMAT exam in the summer between the junior and senior years. Students falling below a threshold index of 1050 may not be admitted to the MBA program. The index is calculated as:  $200 (\text{GPA}) + \text{GMAT} = 1050$ .

Students completing the BA, BS/MBA program must take at least 90 credits in liberal arts and sciences courses at the undergraduate level.

Students will be awarded the BS or BA degree when they complete the requirements for that degree in liberal arts and sciences. The MBA will be awarded upon completion of the MBA requirements.

Students in the program will complete all the courses required in the liberal arts core as well as those courses necessary to satisfy the requirements for a major in liberal arts and sciences. These courses will be completed in the first eight semesters along with the following courses offered by business administration comprising the undergraduate business core:

ACC-210	Introduction to Accounting	.3
ECO-200	Principles of Macroeconomics	.3*
ECO-201	Principles of Microeconomics	.3*
FIN-300	Introduction to Finance	.3
MGT-201	Fundamentals of Management and Organizational Behavior	.3
MKT-200	Marketing Principles	.3
MSD-105, 106	Quantitative Methods for Business I, II	.6*
MSD-200, 201	Statistical Methods I, II	.6*
CIS-185	Introduction to Computing	.3
CIS-485	Management Information Systems	.3*
	Total credits	.36

In the last semester of the senior year, after the second stage of admission, students must take:

MBAD-502	Operations Management	.3*
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*\*May be considered either business or liberal arts course.*

In the ninth and 10th semesters the following graduate courses must be completed:

MBAD-760	Advanced Organizational Behavior	.3
MBAD-770	Marketing Analysis and Decision Making	.3
MBAD-730	Economic Analysis and Decision Making	.3

*(Note: MSD-106 Quantitative Methods II or an equivalent calculus course must be completed before the student may take MBAD-730)*

MBAD-740	Financial Analysis and Decision Making	.3
		.6 (required)
MBAD-780	Strategic Planning and Policy	.3
	Electives	.12
	(Note: One elective must be an international course.)	
	Total Credits	.30

Note: There is not a specific five-year program for business majors. All business majors may apply directly to the MBA program and, if accepted, will be able to complete the 30 credit MBA in a single year. Calculus is a precondition for the MBA. Students should take MSD-106 (Quantitative Methods for Business II) as a free elective in the undergraduate program.

Further information concerning the MBA and MAcc programs, including course sequence forms, is available from the business administration or liberal arts and sciences deans' offices.

## Baccalaureate Honors Program

The Baccalaureate Honors Program (BHP) is the University-wide honors program designed to enrich the educational opportunities available to Rider students of proven intellectual capability who choose to become Baccalaureate Scholars. Interdisciplinary in orientation, the program enables the Baccalaureate Scholars to explore diverse forms of thought, expression, and institutions past and present—an exploration that will enable them to meet future challenges with confidence. Through a series of team-taught seminars, personal contact with faculty, colloquia and symposia, as well as the honors thesis, the scholars extend their ability to think critically, coherently, and systematically about the great themes, ideals, and movements of their human heritage.

Students are invited to the Baccalaureate Honors Program as entering freshmen, and may apply as currently enrolled freshmen or sophomores, or as transfer freshmen or sophomores. BHP students generally score 1200 or higher on their SATs, with a minimum verbal score at or about 600. Students currently enrolled at Rider must have at least a 3.25 GPA at the time of application to the program.

Other students with a 3.25 grade point average, including juniors and seniors, may enroll in particular honors seminar courses with the approval of the director. During the semester in which they are enrolled, students are expected to participate in all program events.

Baccalaureate Honors seminars are interdisciplinary and team taught. Seminars can



# CORE CURRICULUM AND STUDY OPPORTUNITIES

be found in this catalog under Baccalaureate Honors in the chapter entitled Course Descriptions. Baccalaureate Scholars may be exempted from certain school core requirements.

In order to remain in the Baccalaureate Honors Program, the student must maintain a GPA of 3.25. In order to graduate with Baccalaureate Honors, the student must complete five honors seminars and a senior baccalaureate honors thesis or a departmental honors thesis with at least a 3.4 average. Baccalaureate Scholars and all other students enrolled in honors seminars are required to attend BHP co-curricular events during the semesters in which they are enrolled in the seminars. All departmental honors students and faculty members are also invited to attend. Honors colloquia are sponsored jointly by faculty and students, and serve as forums for discussions of significant books, special lectures, presentations of honors program projects and departmental honors projects, and faculty research.

Honors seminars are designated on student transcripts, whether or not the student completes the Baccalaureate Honors Program. Upon the successful completion of the program, the student receives an appropriate certificate. Successful completion will also be noted on the transcript and in the commencement program.

The BHP is supplemented by other honors opportunities at the college and department levels.

## Education Enhancement Program

The Education Enhancement Program (EEP), located in the Joseph P. Vona Academic Annex, offers a variety of academic support services. These services include credit and non-credit courses in reading; professional tutoring and workshops in reading, writing and study strategies; supplemental instruction and peer tutoring in many subject areas taught at Rider; academic support programs for special admit students (Rider Achievement Program) and for students on academic probation (Turning Point); and services for students who have disabilities (see student disability policy). In addition, EEP collaborates with the mathematics department in administering the Math Skills Lab course.

## Services for Students with Disabilities

Services for Students with Disabilities, located in Joseph P. Vona Academic Annex, Room 8, offers a range of support services to assist students with disabilities. These services include:

- Screening and referral for new or updated disability documentation;
- Assistance with requests for academic adjustments;
- Supplementary informal assessment;
- Advice to and consultation with faculty and staff;
- Individualized assistance;
- Assistance with environmental adaptation needs.

Call 609-895-5492 for further information.

## Policy for Assisting Students with Disabilities

Any Rider student who supplies the University with appropriate documentation of a disability is eligible on a case-by-case basis for reasonable accommodations, such as auxiliary aids, adjustments in academic examination time limits and locations, and various kinds of support services. Responsibility for administration of this Disability Policy falls under the office of the university provost.

Students with disabilities should contact the appropriate university official at the Education Enhancement Program (Joseph P. Vona Academic Annex, Room 8, 609-895-5492) for initial screening and referral.

Students with physical, visual, hearing, health or psychological disabilities at Westminster Choir College should contact the Westminster Dean of Students Office (Student Center, 609-921-7100, ext. 8263) for initial screening and referral.

In order to review and ultimately accommodate known and suspected disabilities, the University should be provided with documentation of the disability by an appropriate professional. Such documentation should include:

- A diagnostic statement identifying the disability;
- A description of the diagnostic criteria and/or diagnostic tests used;
- A description of the functional impact of the disability;
- Information regarding relevant treatments, medications, assistive devices and/or services currently prescribed;
- Recommendation for adjustments, adaptive devices, assistive devices, and support services;
- The credentials of the diagnosing professional.

(Students without documentation who suspect a disability should see the appropriate university official for informal assessment.)

Only students with documented disabilities that interfere with their ability to meet the requirements of an academic course or program are entitled to reasonable accommo-

dations, such as course adjustments and auxiliary aids. A reasonable accommodation is one that enables the disabled student to fulfill the essential requirements of the academic course or program; a reasonable accommodation does not waive or eliminate essential academic requirements.

The appropriate university officials identified above and their staffs evaluate the disability documentation provided by the student, collect additional information from the student, and gather information from relevant educational support personnel, medical and psychological professionals, and other pertinent sources. When the student's disability has been documented fully and potential reasonable accommodations have been identified, the student is encouraged to present the Notice of Academic Adjustments Form to individual faculty and discuss the adjustments with each professor. Faculty members may contact the appropriate university official at any time for clarifying the accommodation. A joint meeting of the appropriate university official and the faculty member with the student will be held to resolve questions concerning the reasonableness of the proposed accommodations. The student, likewise, is entitled to initiate this procedure.

In the event that such a meeting among the appropriate university official, the faculty member, and the student does not resolve any open issue(s), a qualified university official designated by the provost will meet with them and assist in resolving the open issue(s). Where a curricular modification is requested, that official normally will be the relevant dean, who will decide the reasonableness of the request in close consultation with the affected faculty member(s) and appropriate University official(s).

The policy is designed to ensure the University's compliance with Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act and the New Jersey Law Against Discrimination, and to enable every Rider student with a disability to enjoy an equal opportunity to achieve her/his full potential while attending this University. Because no policy can anticipate every possible student request, Rider reserves the right to vary this policy under appropriate circumstances on a case-by-case basis.

## Rider Learning Center (RLC) and Tutoring Services

The Rider Learning Center and Tutoring Services, located in the Joseph P. Vona Academic Annex, Rooms 1, 2 and 3, offer tutoring in reading comprehension, study strategies, writing and course content. Professional staff also facilitate reading/writ-



# CORE CURRICULUM AND STUDY OPPORTUNITIES

ing and study strategy workshops, both in the center and on an outreach basis, and work cooperatively with professors to provide study strategy instruction oriented towards specific course demands. The Rider Learning Center is staffed by professional tutors with advanced degrees, graduate students, and student writing associates who have been selected for and have completed a three-credit course in the writing process. Tutoring Services provides peer tutors for students who request extra help with their courses. Students may schedule individual appointments or participate in tutor-led study groups in many content courses at Rider. Supplemental Instruction is provided by specially trained tutors for select courses. Our tutor training program is nationally certified, and tutoring assistance is free to all Rider students. Additionally, the center offers a computer lab for student use. The center is open Monday-Thursday, 9:00 a.m.-8:00 p.m., and Friday, 9:00 a.m.-5:00 p.m. For further information or to schedule an appointment, call Rider Learning Center (reading, study strategies, writing) at 609-895-5640, or Tutoring Services (course content) at 609-896-5008.

## Rider Achievement Program

The Rider Achievement Program (RAP) is designed to assist students in the transition from high school to college and to provide them with the tools needed to have a successful freshman year. Throughout the freshman year, the RAP program provides students with academic coaching and tutoring, a freshman seminar designed specifically for students in this program, and a variety of social events and activities. Freshmen admitted to the Rider Achievement Program are required to be part of this specially designed first-year program, as well as the Summer Bridge Program. Call 609-896-5238 for more information.

## Students on Academic Probation (Turning Point Program)

Students on academic probation (below a 2.0) may voluntarily enroll in an academic support program tailored to their particular needs. This program offers students an opportunity to improve their GPA by providing them with tools and strategies needed to succeed. Participants meet with professional staff for five one-hour sessions and are also required to attend EEP tutoring sessions.

## The Mathematics Skills Lab (MSL)

The Mathematics Skills Lab (MSL), located in the Joseph P. Vona Academic Annex, Room 23, provides tutorial services, structured workshops, and computer-assisted instruction in developmental and college level mathematics. The MSL, directed by the department of mathematics in collaboration with the Education Enhancement Program, administers the mathematics placement test to all incoming students. It also offers the course MTH-100S Math Skills Lab (1 supplemental education unit) for students majoring in liberal arts and sciences and education. This course was developed to help students master elementary algebra skills necessary for college level mathematics.

In addition to basic skills development, peer and professional tutorial support is provided for students taking finite mathematics, algebra and trigonometry, and other liberal arts and science mathematics courses. Professional staff provides weekly structured workshops for students taking the math skills lab course and tutorials for students preparing for the algebra and trigonometry qualifying exam. Call 609-896-5305 for more information or to schedule an appointment.

## Introduction to Academic Reading Course

Introduction to Academic Reading (CRC-100S), paired with a content course, or CRC-101S (self-contained), is a required core course for first-year students who do not meet the placement criteria for college-level reading. Both classes are 2 supplemental education units. Their purpose is to increase students' abilities to comprehend college-level texts by practicing a variety of efficient reading and learning strategies. Students taking 100S must also be enrolled in the targeted content course and section, and will apply reading and study techniques to learning in the paired course. Students in 101S will practice learning strategies with representative college-level materials.

## College Reading Course

College Reading (CRC-100) is a three-credit elective course for students who have met the placement criteria for College Reading or who have successfully completed Introduction to Academic Reading (CRC-100S or CRC-101S). Students will develop or improve reading comprehension skills and study strategies that will enable them to enhance academic performance across the curriculum. Call 609-896-5244 for additional information about this course.

## Study Strategies Workshop

Study Strategies Workshop (NCT-099) introduces specific reading and study strategies related to the demands of a content course. In order to enroll for this workshop, students must co-register for the content course with which it is paired.

## Educational Opportunity Program

The Educational Opportunity Program (EOP) is a state-funded program that helps low-income New Jersey residents attend college. The purpose of this program is to provide access to higher education to students who may normally be denied an education due to lack of academic preparation, affordability, or the absence of sufficient guidance to aspire to educational goals.

EOP is an academic support program that provides financial aid assistance to its students. Students are admitted to EOP when they have demonstrated academic readiness, potential, determination, a genuine desire to learn, and a need for financial assistance. Students are interviewed by the EOP staff before admitted into the program. Students receiving an EOP grant may also be eligible for other state and federal grants.

The program provides a comprehensive and rigorous academic experience designed to enhance students' persistence and, most important, lead to graduation. The program provides an orientation, personal, academic, and career counseling; tutorial assistance; leadership development; and peer mentoring. All students who qualify for EOP participate in a mandatory five-week Pre-Freshman Summer Program. The summer program acclimates students to the rigors of academic life and the university environment.

The goal of EOP is twofold: to have a positive impact on its students and encourage the students to make a positive impact on Rider University and the greater community. For more than 30 years, EOP has been providing access through excellence, enabling eligible students to obtain a college education.

The Educational Opportunity Program office is located in the Joseph P. Vona Academic Annex and the telephone number is 609-896-5381.

# CORE CURRICULUM AND STUDY OPPORTUNITIES

## Student Support Services Program (TRIO Program)

The Student Support Services (SSS) Program is a comprehensive support services program that provides ongoing academic assistance primarily to first generation college students. The program offers a range of services and activities that are designed to assist students with their academic performance, skills development and retention through graduation. Overall, the program promotes an atmosphere that fosters students' growth and independence and provides a supportive environment that enables participants to fulfill their educational, career, and personal aspirations.

An array of services is offered to students, including assessments of students' educational needs and goals; professional and peer tutoring; individual/group counseling; peer mentoring; financial guidance; career exploration; and graduate school preparation. In addition, the SSS program provides workshops and seminars that directly respond to issues of importance to participants. All activities and support services are tailored to meet the particular needs and interests of the individual student.

The program is open to Rider students who are first generation college students (i.e., neither parent has completed a four-year college degree), who have a need for academic support, and/or have incomes that fall within federal guidelines. Students who have a documented physical or learning disability are also eligible for program services.

Students interested in enrolling in the program are invited to visit or call the SSS program office for an application and brochure located in the Joseph P. Vona Academic Annex, Room 17; the phone number is 609-895-5614 and the fax number is 609-895-5507.

This program is sponsored in partnership with Rider University and the United States Department of Education.

## Leadership Development Program (9 semester hours)

The Leadership Development Program at Rider is a university-wide program that welcomes all majors. The guiding assumption underlying this program is that every one of us has opportunities to be a leader and a role model for someone. A person does not have to be a CEO, elected official, or designated leader to make a difference.

We define leadership as a process in which one individual influences others to attain goals for the common good. To lead effectively requires skill in communicating, influencing, and teamwork. These are interpersonal skills

that can be learned. They have been identified by Rider University, *The Wall Street Journal*, and the Center for Creative Leadership as the keys to career and life success.

The Leadership Development Program also emphasizes career development. Helping our students achieve career maturity will allow them to develop satisfying and meaningful occupational identities through which to express their leadership aspirations.

Leadership training at Rider combines traditional classroom learning with intensive skill training and supervised leadership experience through co-curricular activities, experiential learning, fieldwork, and community service. Developmental experiences are provided throughout a student's academic career.

Students are invited to join the Leadership Development Program as entering freshmen. Currently enrolled and transfer freshmen, sophomores, and juniors may also apply. For all students, a commitment to personal leadership development and demonstrated ability to perform well academically are important criteria for admission to the program. For juniors, demonstrated leadership involvement is also important.

The Leadership Development Program is housed within the Center for the Development of Leadership Skills, located in Sweigart Hall, Room 249.

To receive the Certificate in Leadership students must successfully complete the following:

- Foundations of Leadership course (3 credits-must obtain a B or better)
- Leadership Labs (3 one-credit skill-building courses aka CREW<sup>W</sup>)
- Ethics or Multicultural Studies elective (3 credits-must obtain a B or better)
- Career Development Workshops (non-credit workshops designed especially for LDP students)
- Leadership Practicum (120 units of supervised leadership experience)

Information about the Foundations of Leadership course can be found in this catalog under Leadership Development Program in the chapter entitled Course Descriptions.

At graduation, students who have successfully completed the requirements listed above will receive a certificate. Their completion of the Leadership Development Program will also be noted on their transcripts and in the commencement program.

## Army ROTC

The Army Reserve Officers' Training Corps (ROTC) provides college-trained officers for the U.S. Army, the Army National Guard, and the U.S. Army Reserve.

The ROTC course of study is a four-year program, divided into two phases: the basic course, and the advanced course. Students entering Rider after September 1995 do not receive academic credit for Army ROTC courses and must pursue the courses of study at an off-campus location.

### The Basic Course

The basic course is designed for freshman and sophomore full-time college students, and consists of military science introductory courses. Course work during the four semesters of the freshman and sophomore years includes management principles, national defense, benefits of military service, military history, leadership development, tactics, map reading, and military customs, courtesy and discipline. The basic course does not require uniforms or special haircuts. Books are provided. Unless the student is an ROTC scholarship recipient, there is no military obligation associated with the basic course, and students can withdraw from the program as they would from any other college course of instruction.

### The Advanced Course

The advanced course is designed for junior and senior full-time college students. Once enrolled in the advanced course, students are obligated to complete the program and to accept a commission in the Army as a second lieutenant and an assignment in the active Army, the U.S. Army National Guard, or the U.S. Army Reserve. Course work includes leadership development, orienteering, tactics, communications, ethics and professionalism, advanced military management practices, practical leadership labs, contemporary military issues, and physical fitness training. Enrolled students are paid a stipend of \$100 per month and attend a summer leadership training camp between their junior and senior years for which they are paid about \$700. Additionally, enrolled students who are already members of the U.S. Army Reserve or Army National Guard, or those seeking to join, have the opportunity to earn an additional \$135 or more per month by joining the Simultaneous Membership Program

# CORE CURRICULUM AND STUDY OPPORTUNITIES

(SMP). These students attend one drill weekend per month with their units as officer trainees.

A two-year program is available for qualified full-time students who have already completed their sophomore year but have not taken the basic course or who have had prior military service and/or training.

## **Activities**

Army ROTC students participate in many extracurricular activities such as weekend training exercises, orientation trips, Color Guard ceremonies, drill team competitions, rifle marksmanship competitions, intramural sports, national military societies, and Ranger Club activities (skiing, rock climbing, white-water rafting, etc.).

Additional details about the ROTC program are available from a professor of military science by calling 609-258-4225 or 4226.

# Calendar

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[www.rider.edu](http://www.rider.edu)



# CALENDAR

## 2006-2007 CALENDAR

### Fall Semester 2006

#### September

- 3 Sunday  
Residences open for new students
- 3-5 Sunday-Tuesday  
Final new student testing and scheduling  
New student orientation
- 4 Monday  
Residences open for continuing students
- 5 Tuesday  
Registration for returning students
- 6 Wednesday  
Day and Evening classes begin
- 6-12 Wednesday-Tuesday  
Schedule changes
- 13-19 Wednesday-Tuesday  
Courses may be dropped

#### October

- 1 Sunday  
December 2006 degree applications due

#### October 23-November 22

Course request period for spring semester

#### November

- 22 Wednesday  
Thanksgiving recess
- 27 Monday  
Classes resume

#### December

- 8 Friday  
Day classes end
- 9-10 Saturday-Sunday  
Reading days
- 11-12 Monday-Tuesday  
Final exams
- 13 Wednesday  
Reading day
- 11-14 Monday-Thursday  
Evening final exams
- 14-15 Thursday-Friday  
Final exams
- 15 Friday  
Spring and summer 2007 degree applications due
- 16-17 Saturday-Sunday  
Reading days
- 18-19 Monday-Tuesday  
Final exams

### January 2007

- 2 Tuesday  
Balance of spring charges due
- 26 Friday  
Deadline for makeup of fall semester incomplete grades

### Fall 2006 Withdrawal Dates

September 20-October 24

Withdrawal, student discretion

October 25-November 21

Withdrawal, consent of instructor

November 22-December 8

Withdrawal, psychological or physiological incapacity

### Spring Semester 2007

#### January

- 18-19 Thursday-Friday  
New student orientation
- 19 Friday  
New student testing and scheduling
- 20 Saturday  
Residences open
- 21 Sunday  
Registration
- 22 Monday  
Classes begin (day and evening)
- 22-26 Monday-Friday  
Schedule changes
- 29- Feb. 2  
Monday-Friday  
Classes may be dropped

#### March

- 1 Thursday  
Incoming freshman, transfer and continuing undergraduate students priority deadline for filing federal financial aid forms
- 10 Saturday  
Last day of classes before spring recess
- 11-18 Sunday-Sunday  
Spring recess
- 19 Monday  
Classes resume

### March 26-April 20

Course request period for fall and summer semesters

### April

- 26 Thursday  
Evening classes end
- 27 Friday  
Day classes end
- 28 Saturday  
Saturday classes end
- 28-29 Saturday-Sunday  
Reading days
- 30-May 1  
Monday-Tuesday  
Final exams
- 30-May 3  
Monday-Thursday  
Evening final exams

### May

- 2 Wednesday  
Reading day
- 3-4 Thursday-Friday  
Final exams
- 5-6 Saturday-Sunday  
Reading days
- 7-8 Monday-Tuesday  
Final exams
- 11 Friday  
Commencement

### June

- 8 Friday  
Deadline for makeup of spring semester incomplete grades

### Spring 2007 Withdrawal Dates

February 5-March 9

Withdrawal, student discretion

March 12-April 13

Withdrawal, consent of instructor

April 16-April 27

Withdrawal, psychological or physiological incapacity

Students enrolled in evening classes should refer to the calendar in the Continuing Studies section of this catalog.

### Summer Session 2007

Students interested in calendar and course offerings for the summer sessions should consult the summer session catalog, available from the College of Continuing Studies.

# College of Business Administration

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[www.rider.edu](http://www.rider.edu)

# BUSINESS ADMINISTRATION



Business administration is for anyone who wants to develop the skills needed to turn ideas and dreams into reality. Whether it's creating your own company or rising to the top of a major corporation, the key is having the skills to make it happen.

In each of its 12 majors, the College of Business Administration (CBA) seeks to develop in students the skills needed to perform effectively in a variety of organizational settings – small business, multinational corporation, service industry, not-for-profit, family company, Wall Street – depending upon the student's interests and goals. Each program is designed to provide an educational experience for the whole person by combining theory and practice. Business students participate in a learning environment that offers both the practical skills needed to launch a career and the learning skills needed for continued growth.

## Mission Statement

Our mission is to provide a quality business education based on dynamic and innovative curricula to build professional competencies that enable our graduates to be productive, socially responsible participants in the rapidly changing global marketplace.

We create a supportive academic environment and provide our students opportunities for experiential learning. Our programs develop communication, interpersonal, teamwork, leadership, critical thinking and problem solving skills.

We are committed to continuous improvement as we strive for excellence. We ensure an infusion of current theory and practice in our curricula through scholarly research, professional activity and extensive business partnering.

## Key Objectives

To support students in preparing to perform effectively in the workplace and to continue to grow as individuals, the CBA seeks to realize the following key objectives for its undergraduate program:

- To provide an outstanding faculty of teacher/scholars in the business fields who bring to the classroom a wide range of diverse expertise and who emphasize teaching excellence as well as research and scholarship;
- To develop an understanding of the functions of business, an ability to apply the tools and skills that will solve business and organizational problems and an appreciation for the global environment of organizations in society;

- To offer sufficient breadth and depth in the curriculum to enable the student to achieve a level of competence in a major, while providing opportunities for independent study, skill-building and learning through experience;

- To ensure a useful balance between professional course work in the functional areas of business administration and study in the liberal arts and sciences;

- To foster the development of leadership qualities and to encourage an attitude that values continuing education.

To remain strongly competitive, the CBA maintains high visibility and involvement in the corporate community outside of Rider. It seeks to be regarded by that community as a useful and valuable resource of educational knowledge, business and management talent, economic expertise and applied research, in addition to a well-established reputation as an excellent source of college graduates in business. Students and faculty are involved regularly in real business situations through internships, CREW<sup>W</sup>, meetings and programs of the Business Advisory Board, the Accounting Advisory Council of the CBA, special programs for the community such as the Volunteer Income Tax Assistance (VITA) program coordinated by the department of accounting, Minding Our Business (a mentoring program of entrepreneurship for inner city students), and many student clubs and organizations.

There continues to be rapid change in technology and its application to business, organizational process and as a component of the product-service offerings. The CBA has embedded the study and use of technology into the curriculum with specific, required courses (CIS-185, CIS-485) and in a variety of courses across the business curriculum. Technology is also addressed, in depth, through a variety of electives, including ACC-320 Accounting Information Systems, CIS-340 Electronic Commerce and FIN-315 Computerized Financial Casework. The Computer Information Systems (CIS) major is designed for students who intend to specialize in technology.

Starting in Fall 2005, with incoming freshmen, the CBA began requiring the use of laptops across the business curriculum.

Regardless of the functional area of business that students select for their career, they will be impacted by what occurs in the world of technology-enhanced business practices. Rider's courses will continue to adapt and change as this fast-paced environment continually reinvents itself.

## Professional Accreditation

Rider University's College of Business Administration programs were accredited by AACSB International – The Association to Advance Collegiate Schools of Business in 1993 and reaffirmed in 2000. In addition, the accounting program was further recognized for excellence with accreditation in accounting by AACSB International in 2000.

## Freshman Seminar

Freshman seminar is a structured advising experience for new students enrolled in the CBA. Its purpose is to support students in making a smooth transition from high school to college by providing information and guidance in such areas as time management, study skills, and effective use of Rider's resources. It is noncredit and offered without any additional tuition charge. Participation in freshman seminar is required for all freshmen entering Rider. For further information, contact Ira Mayo, 609-896-5195.

## CREW<sup>W</sup>

CREW<sup>W</sup> (Cultivating Resources for Excellence in the World of Work) is an innovative venture into experiential learning. CREW<sup>W</sup> is designed to build and refine students' interpersonal skills. A CREW<sup>W</sup> is a group of students who support each other in learning specific career and life skills. CREW<sup>W</sup>s meet regularly during the semester to learn about and practice specific skills, such as interpersonal communication, influence, teamwork, conflict resolution, see the behavior of others, and interviewing skills. Students who participate in CREW<sup>W</sup> have special opportunities to interact with corporate leaders and business practitioners. For information about participating in CREW<sup>W</sup>, contact the CBA dean's office.

## DAARSTOC

Developing Administrative Abilities and Resources Through the Synergistic Training of Organizational Competencies (DAARSTOC) is an extracurricular program designed to help students propel their careers by developing people management skills. Students learn to interact with subordinates through role plays and group designs. Some of the skills learned are: being "upfront" in appropriate ways, becoming aware of non-verbal behavior and maintaining a problem-solving focus. The program is very selective but is open to all full-time undergraduate students. Applications are available in the CBA Dean's office.

# BUSINESS ADMINISTRATION

## Business Honors Program

About 30 students who have applied for, and have been accepted to Rider University's College of Business Administration, will be invited to participate. These students will be chosen based on their SAT scores and high school GPA. An additional 10 students will be chosen after the end of the fall semester based on GPA.

The selected students will take the following sequence of honors courses beginning in the fall of their freshman year:

Class Standing	Semester	Honors Courses
Freshman	Fall	Freshman Seminar CBA-110
Freshman	Spring	ECO-200, CIS-185 and MSD-105
Sophomore	Fall	ACC-210 and ECO-201
Sophomore	Spring	MGT-201 and MKT-200
Junior	Fall	BUS-300 and FIN-300
Junior	Spring	MSD-340
Senior	Fall	CIS-485
Senior	Spring	BUS-400

In order to successfully complete the honors program, a student will have to do the following:

1. Complete nine of the 13 courses, one of which must be BUS-400.
2. Have a minimum GPA of 3.4 in all honors courses.
3. Have a minimum GPA of 3.4 overall.

Upon successful completion of the honors program, a student will receive a special honors designation on his/her transcript, an honors award, and special recognition at graduation.

## BSBA/MBA Option

It is possible to apply to the graduate business program after completing 90 credits in a Rider undergraduate business degree program. Those students admitted may enter the program upon the completion of the B.S.B.A. degree. Courses waived should permit them to graduate in one year (by taking an additional 10 courses of graduate work). Students considering an MBA should take MSD-106 Quantitative Methods for Business II as an undergraduate elective. Accounting students should see the description under the requirements for the accounting major for entering the MAcc program. Also see the Graduate Academic Catalog.

## Undergraduate Departments

The following are the eight undergraduate departments of the CBA: accounting, business policy and environment, computer information systems, economics, finance, management and human resources, management sciences, and marketing.

## Degrees

The CBA offers curricula at the undergraduate level leading to the degree of Bachelor of Science in Business Administration (B.S.B.A.). (For master's level work, see Graduate Catalog.)

## Major Fields of Study

The CBA offers major fields of professional study in accounting, actuarial science, advertising, business administration, computer information systems, economics, entrepreneurial studies (pending state approvals), finance, global business, human resource management, management and leadership, and marketing.

## Selection of a Major

Students who are undecided regarding an area of business specialization are enrolled as undeclared majors until they choose a major. However, students should elect a major and receive approval of such major by the CBA Dean's office before the end of their fifth semester or completion of 60 credits.

A student may elect to double major, but there is no guarantee that the student will be able to complete the second major within the 120 credit hours required for graduation.

## Minor Fields of Study

Business students are permitted to take a minor in one of several fields in liberal arts and science. Students interested in such a program should see the dean of liberal arts, education and sciences, the chairperson of the appropriate department, or the program director.

The CBA offers the following minors to nonbusiness students: for communication majors only, a minor in advertising; a minor in sales management and a minor in computer information systems and a minor in general business for all nonbusiness majors.

In addition, the CBA offers a minor in health administration (open to all majors – business and nonbusiness).

## Concentrations

In addition to minors and majors, the CBA offers concentrations specific to business majors only in the areas of entrepreneurial studies or in global business. Note: Global business is offered as a major but can also be taken as a concentration in an abbreviated form. Entrepreneurial studies is also offered as a major.

## Basic Core of Knowledge

Students in the CBA are required to take a core of business courses designed to provide them with a solid foundation in business. These basic requirements are:

- A background of the concepts, processes, and institutions in the production and marketing of goods and/or services, and the financing of the business enterprises or other forms of organization. This portion is covered in such courses as Principles of Marketing, Introduction to Finance and Production and Operations;
- A background of the economic and legal environment as it pertains to profit or nonprofit organizations, along with ethical considerations and social and political influences as they affect such organizations. Courses that satisfy this requirement are Principles of Macroeconomics, Principles of Microeconomics, the Social and Legal Environment of Business, as well as several elective courses;
- A basic understanding of the concepts and applications of accounting, quantitative methods, and management information systems, including computer applications. This area is covered through such courses as Principles of Financial Accounting, Principles of Managerial Accounting, Statistical Methods I and II, Introduction to Computing, and Management Information Systems;
- A study of organization theory, behavior and interpersonal communications. Course work in Fundamentals of Management and Organizational Behavior covers this area, as well as courses in composition and speech;
- A study of administrative processes under conditions of uncertainty, including integrating analysis and policy determination at the overall management level. The course Strategic Management and Policy that serves as the capstone course provides the necessary coverage in this area.



# BUSINESS ADMINISTRATION

In addition to these courses, all students in the CBA are required to complete a program of study prescribed by the department in which they are enrolled. This phase of study is the student's major that begins in the junior year. The courses in the major are designed to provide the student with a general competence in one of the principal areas of business.

At least nine semester hours of credit in the area of a student's major must be taken at Rider, except in the accounting area that requires 12 semester hours.

Students are required to enroll in additional business courses of their own choosing. All students, except accounting majors, must acquire 18 semester hours in their major and six business elective credits (the international business elective can come from the major or business elective area).

Students are required to have 51 semester hours completed before enrolling in 300- or 400-level business courses.

Fifty percent of all business credits must be taken through Rider. Transfer students can bring in 30 credits in business plus Quantitative Methods, Statistical Methods I & II, Macroeconomics and Microeconomics. All business students must have a 2.0 GPA in their major and overall to graduate.

## The General Education Core

In addition to the business subjects, the student must acquire at least 60 semester hours in liberal arts and sciences and statistics courses. These courses must be distributed within three areas, and include at least six hours in each area as follows:

### Natural Sciences

- Biochemistry
- Biology
- Chemistry
- Geosciences
- Marine Sciences
- Physics

### Social Studies

- American Studies
- Communication
- Gender Studies
- History
- Law and Justice
- Multicultural Studies
- Political Science
- Psychology
- Social Work
- Sociology

### Humanities

- Literature
- Fine Arts (Art, Dance, Music, Theater)
- Foreign Languages and Literatures (French, German, Italian, Russian, Spanish)
- Philosophy

## Nonbusiness Subjects

(60 semester hours)

### Nonbusiness Core

MSD-105	Quantitative Methods for Business I . . . . .	3
	Natural Science electives . . . . .	6
	Humanities electives . . . . .	6
	Social Science electives . . . . .	6
CMP-120	Expository Writing . . . . .	3
CMP-125	Research Writing . . . . .	3
or 203	Literature and Composition . . .	3
CIS-185	Introduction to Computing . . .	3
ECO-200	Principles of Macroeconomics .	3
ECO-201	Principles of Microeconomics .	3
COM-290	Professional and Strategic Speech . . . . .	3
MSD-200, 201	Statistical Methods I, II . . . . .	6
	+Electives in liberal arts subjects . .	15-18**

CMP-115 will be waived for students who attain a 530 or above on the verbal SAT or a specified qualifying score on the English Department Placement Test.

\*\*Upper-level economics courses (300 and 400 levels) may be used as business or free electives only; they may not be used as liberal arts electives. A student may use Intermediate Macroeconomics (ECO-210) or Intermediate Microeconomics (ECO-211) as liberal arts electives, the other course (or both) can be business or free elective.

+Advertising majors must satisfy this requirement with specified courses (see Requirements for the Major, page 77).

## Free Electives

(9 semester hours)

The minimum requirements in business and nonbusiness subjects normally leave a student with an additional 9\* semester hours that must be completed to satisfy the 120 required for graduation.

Free elective hours may be taken in any department at Rider, provided the student meets the requirements imposed by the department offering the course. Courses from a second major may be used to fill the free elective hours.

\*Note: Accounting majors are required to have 6.

## Global Business Requirement

All CBA students are required to choose an elective course that emphasizes global business dynamics. Courses can be used as either a major, business, or free elective. Students may choose from the following list of courses:

BUS-375	International Business Law
CBA-315	Global Business Study Tour
CBA-490	Independent Study: Global Business
ECO-305	International Trade and Investment
ECO-315	Comparative Economic Systems
ECO-365	The Post-Soviet Economy and U.S. Business
FIN-308	International Finance
MGT-375	International Management
MKT-330	International Marketing

## Residence Requirement

For all students, of the 120 semester hours of credit required for graduation, at least 45 credit hours, including the last 30, must be taken at Rider.

Once a student has matriculated for a degree, credit for off-campus courses will be granted only with prior approval of the academic dean.

## Independent Study and Research

Students are offered opportunities for independent study in business-related areas for which formal courses are not available. Each department in the CBA provides these opportunities during the regular semester via offerings labeled 490, Independent Research and Study. Projects may be taken by an individual or a group of students working together. Each person must submit an independent study proposal including definitive statements on the following: an elaborate, clear statement of the study's significance; the personal significance of the study; the study's design and objective; the utilization and expectation of on- and off-campus resources related to the study; and method to be used to demonstrate the results of the study.

Independent study proposal requests can be obtained and approved by the chairperson of the sponsoring department or the CBA dean's office. Such proposals must be submitted prior to the semester of the independent study and must include a timeline for completion.

# BUSINESS ADMINISTRATION

## Degree Programs

### ACCOUNTING

The primary objective of the accounting curriculum is to offer courses that will give students a practical and conceptual understanding of accounting methods and techniques, with the ultimate aim of preparing them for continuing education and employment and advancement in the fields of private, public or governmental accounting. Class discussions, selected problems, and assigned and suggested readings are directed toward teaching the student to read, analyze and think critically, to exercise independent judgment, to apply appropriate technology, and to develop an awareness of ethics, social and legal responsibility.

### Requirements for the Major

(24 semester hours)

ACC-302	Cost Management . . . . .	3
ACC-310	Accounting Theory	
311	and Concepts I, II . . . . .	6
ACC-320	Accounting Information Systems . . . . .	3
ACC-400	Auditing and Corporate Governance . . . . .	3
ACC-405	Accounting Problems and Practice I . . . . .	3
ACC-406	Accounting Problems and Practice II . . . . .	3
ACC-410	Fundamentals of Federal Taxation . . . . .	3

\*Fall 2005 incoming freshmen must take both ACC-400 and ACC-406. Students admitted prior to Fall 2005 have the option to take either ACC-400 or ACC-406. Students who are accepted into the MAcc program after 90 credit hours may substitute a required graduate accounting course for ACC-406.

Students desiring to become certified public accountants (CPAs) will be required to have 150 credit hours of education to take the CPA exam in most states. Rider accounting majors may graduate after four years (120 credit hours) or seek to achieve the additional credit hours directly through admission to the master of accountancy (MAcc) program at the University. It is possible to apply to the MAcc program at Rider after completion of 90 credit hours. (Please consult the Rider University Graduate Academic Catalog for details on the MAcc program.) Undergraduate accounting majors are encouraged to work closely with their advisor to select courses which will best address their career and cer-

tification plans. Students should consult the specific certification requirements of the state jurisdiction in which they plan to become certified and plan accordingly.

Students majoring in accounting must receive a grade of at least C- in a prerequisite course for any advanced course in accounting, and must have a cumulative average of at least 2.0 in the major.

### ACTUARIAL SCIENCE Requirements for the Major

(18 semester hours)

FIN-340	Principles of Risk Management. . . . .	3
MSD-320	Quantitative Methods in Business Forecasting. . . . .	3
MSD-325	Applied Regression and Analysis of Variance . . . . .	3
MSD-350	Compound Interest Theory. . . . .	3
MSD-440	Life Contingencies I . . . . .	3
MSD-441	Life Contingencies II . . . . .	3

### Mathematics Requirements:

MSD-110	Mathematics for Actuarial Science I. . . . .	3
MSD-111	Mathematics for Actuarial Science II . . . . .	3
MSD-112	Mathematics for Actuarial Science III . . . . .	3
MTH-340	Probability and Statistical	
341	Analysis I, II . . . . .	6

Students majoring in actuarial science may not take MSD-105 Quantitative Methods for Business I, nor the sequence MSD-200 & 201 Statistical Methods I & II.

For graduation, the student must achieve an overall GPA of 2.0 or better in the major, with no course grade less than C-.

### ADVERTISING

The advertising major prepares students for careers in advertising agencies, large or small, or in the advertising or promotion departments of profit or nonprofit organizations. Possible entry-level positions include media buyer, copy writer and assistant account executive. This program combines a solid background in the business disciplines with the study of communications. It emphasizes the role of advertising/promotion within the marketing communications strategy.

### Requirements for the Major

(18 semester hours)

ADV-300	Advertising Principles. . . . .	3
ADV-311	Advertising Copy and Layout	3
ADV-315	Media Planning and Strategy	3
ADV-435	Advertising Campaigns. . . . .	3
MKT-320	Consumer Behavior. . . . .	3
MKT-366	Marketing Research . . . . .	3

### Required Nonbusiness Subjects

15 Semester Hours

(in lieu of liberal arts electives)

COM-100	Mass Media Communication	3
COM-212	Publication Design . . . . .	3
COM-240	Public Relations . . . . .	3
COM-302	Communication Ethics . . . . .	3
PSY-100	Introduction to Psychology . . . . .	3

For graduation, students must achieve an overall GPA of 2.0 or higher in the major, with no course grade less than C-. Majors are encouraged to take additional courses offered by the department of marketing to satisfy business elective and free elective requirements.

### BUSINESS ADMINISTRATION Requirements for the Major

(18 semester hours)

The business administration major requires completion of 18 semester hours. For graduation, students must achieve an overall GPA of 2.0 in the major. Business administration majors may not count more than six semester hours or two courses from either track toward a different major.

This track provides a strong grounding in all areas of managing large and medium businesses and is appropriate for those who do not wish to specialize in a particular functional area. It is useful for:

- those who may want to enter a management training program with a future employer;
- those who may want to attend graduate school in fields such as business or law.

For this track, courses are to be selected as specified below:

One upper level economics elective . . . . .	3
One upper level finance elective . . . . .	3
One upper level management or human resources elective. . . . .	3
One upper level marketing elective . . . . .	3

Two upper level business electives which may include:

BUS-491 Business Administration Internship	
or	
BUS-490 Independent Research Study . . . . .	6
TOTAL . . . . .	18

Courses listed in the business core may not be used for filling the requirements of the general business track.

# BUSINESS ADMINISTRATION

## ENTREPRENEURIAL STUDIES\*

(18 semester hours)

This track is intended for those who anticipate

- managing their own business;
- joining a family business;
- working for a small company.

Students in this track take the courses below:

### Required Courses

MGT-348	Small Business Management	. . . 3
ACC-335	Small Business Taxation	. . . . . 3

### Three of the following:

FIN-350	Entrepreneurial Finance	
MKT-350	Retailing Management	
CBA-350	Family Business Management	
BUS-214	Advanced Business Law	
CIS-272	End-User Computing	
or		
CIS-340	E-Commerce	
CBA-220	Minding Our Business	
MGT-310	Introduction to Human Resource Management	
or		
MGT-363	Management Skills	. . . . . 9

### One of these integrative experiential courses:

MGT-448	Seminar in Small Business Consulting	
BUS-410	New Venture Planning	. . . . . 3
	<b>TOTAL</b>	. . . . . 18

For graduation, students must achieve an overall 2.0 GPA in the major.

\*Note: Pending state approvals.

## ECONOMICS

Economics deals with how societies use scarce resources, organize production, and distribute goods and services. Studying economics helps students develop analytical tools that can be applied to a wide range of problems. Students learn how markets work, how businesses make decisions, and how monetary and fiscal policy affect financial markets and the production of goods and services. A bachelor's degree in economics prepares students for management positions in both business and government. The degree is also excellent preparation for law school, graduate business programs and advanced education in economics.

### Requirements for the Major

(18 semester hours)

ECO-210	Intermediate Macroeconomics	3
ECO-211	Intermediate Microeconomics	.3
	Four upper-level (300-400) economics electives	. . . . . 12

For graduation students must achieve an overall GPA of 2.0 or better in the major, with no course grade less than C-.

### Requirements for the Minor

See the requirements for the economics minor, Liberal Arts and Sciences, page 44.

## COMPUTER INFORMATION SYSTEMS

(18 semester hours)

Students with a major in computer information systems (CIS) develop a solid understanding of the use, design, development and management of information systems and information technology. CIS majors at Rider University prepare for a variety of professional career paths. They develop expertise with various application development and networking tools, and discover how the effective use of information systems can create new business opportunities in addition to solving existing business problems.

All of the CIS courses are designed to give students the opportunity to develop and manage projects that can be applied immediately to real organizational settings. Increasingly, firms seeking individuals with a technological specialization expect outstanding organizational communications, and interpersonal skills, in addition to excellent analytical skills. To that end, many of the CIS course projects are designed to encourage students to develop and utilize these competencies.

CIS majors begin with CIS-185 Introduction to Computing, which is also required of all business majors. This course introduces them to software including Microsoft XP, Office, and SAP R/3. After satisfactorily completing this course, students may pursue the CIS major.

The required CIS core includes Introduction to Programming and Networking. Additionally, each CIS major will choose from one of six model plans of study and take at least three courses in the plan, plus one additional CIS elective of their choice. The six models include Multimedia, Enterprise Management, Developer/Analyst, Network Management, Business Intelligence and E-business. Each model prepares the student for a focused career path in information technology. The choice of elective enables the student to further develop a concentration in a particular area or round out his/her knowledge base. Students work with their CIS advisors to develop a plan of study that best meets their needs.

In their last year, CIS majors take CIS-485 Management Information Systems, which focuses on the use and management of infor-

mation technology for the strategic and competitive advantage of an organization. This is also a capstone for all business majors at Rider. This course emphasizes the importance of integrating enterprise-wide resources for maximum organizational effectiveness.

### Required Core

CIS-200	Introduction to Programming	. . 3
CIS-310	Networking	. . . . . 3

### Multimedia

CIS-260	Business Graphics	. . . . . 3
CIS-340	Electronic Commerce	. . . . . 3
CIS-350	Internet Application Development	. . . . . 3
CIS-380	Systems Project	. . . . . 3

### Enterprise Management

CIS-270	Telecommunications	. . . . . 3
CIS-330	Database Management	. . . . . 3
CIS-340	Electronic Commerce	. . . . . 3
CIS-360	Knowledge Management	. . . . . 3
CIS-420	Enterprise Security	. . . . . 3
CIS-430	Enterprise Systems Integration	. 3

### Developer/Analyst

CIS-260	Business Graphics	. . . . . 3
CIS-300	Object-oriented Programming	. 3
CIS-330	Database Management	. . . . . 3
CIS-350	Internet Application Development	. . . . . 3
CIS-370	Systems Analysis and Design	. . 3
CIS-380	Systems Project	. . . . . 3
CIS-430	Enterprise Systems Integration	. 3

### Network Management

CIS-270	Telecommunications	. . . . . 3
CIS-320	Systems Administration	. . . . . 3
CIS-340	Electronic Commerce	. . . . . 3
CIS-420	Enterprise Security	. . . . . 3

### Business Intelligence

CIS-300	Object-oriented Programming	. 3
CIS-330	Database Management	. . . . . 3
CIS-360	Knowledge Management	. . . . . 3
CIS-370	Systems Analysis and Design	. . 3
CIS-380	Systems Project	. . . . . 3
CIS-430	Enterprise Systems Integration	. 3

### E-Business

CIS-260	Business Graphics	. . . . . 3
CIS-270	Telecommunications	. . . . . 3
CIS-300	Object-oriented Programming	. 3
CIS-350	Internet Application Development	. . . . . 3
CIS-430	Enterprise Systems Integration	. 3

For graduation, the student must achieve an overall GPA of 2.0 in the major, with no course grade less than C-.



# BUSINESS ADMINISTRATION

## FINANCE

The finance program is designed to meet the needs of students who have a variety of career goals. In many types of jobs, it is essential that one understand the process of financial decision making and the environment in which those decisions take place. To provide this understanding, the major combines a solid analytical foundation with broad coverage on how the financial system operates.

Programs of study are structured to benefit students who will enter both finance and nonfinance careers. In addition, many individuals who have decided to pursue advanced professional degrees have found the finance program to be quite valuable. In short, even if you are not certain whether your career will be in a traditional finance specialization, it is quite possible that finance courses will be very useful in your personal and professional life.

There is considerable flexibility in arranging individual programs of study within the major. Students may choose a well-rounded exposure to the many facets of financial decision making. They may select courses in such areas as investment analysis, computerized financial analysis, business financial management, banking and financial markets, real estate and insurance.

### \*Requirements for the Major

(18 semester hours)

**Group A:** Three or four courses from the following list of four:

FIN-307 Financial Markets and Institutions	3
FIN-310 Capital Budgeting	3
FIN-311 Corporate Financing Decisions	3
FIN-312 Investments	3

**Group B:** Two or three finance electives (300-400 level), excluding Finance Internship.

\*The sum of credits from Group A and Group B must total 18.

Students must achieve a grade of at least C- in each of the major courses with a minimum GPA of 2.0 in the major. The following are recommended to those interested in the career areas specified below:

### Corporate Financial Management:

FIN-310 Capital Budgeting, FIN-311 Corporate Financing Decisions, and FIN-330 Corporate Cash Management.

### Banking and Financial Markets:

FIN-307 Financial Markets and Institutions and FIN-308 International Finance.

### Investment Analysis:

FIN-312 Investments and FIN-412 Investment Analysis and Portfolio Management.

### Computer Applications:

FIN-315 Computerized Financial Casework.

**Insurance:** FIN-340 Principles of Risk Management.

Because the fields are related so closely to finance, majors are encouraged to take advanced courses in accounting, economics and personal computer applications in business. Among the most useful accounting courses are ACC-310 and ACC-311, Accounting Theory and Concepts I and II.

### Special Double Major Opportunities

The finance department believes that recognition and credit should be given to the significant amount of finance-related material that is included in the programs for accounting and for actuarial science majors. As a result, students who are finance and accounting double majors or finance and actuarial science double majors can reduce the number of required finance courses from six to five. Details are available from the CBA dean's office or from the chairperson of the finance department.

### GLOBAL BUSINESS MAJOR

The global business major is a co-major or double major, which requires students to major in one of the other functional areas of business. Students interested in acquiring increased competence in global business and trade, take at least five global business electives, one of which is an experiential course. In addition, students select liberal arts, humanities and social studies electives that either explore important cross cultural issues or develop a proficiency in a foreign language.

### Major Requirements

**List A** - at least four from this list are required, but no more than two from any one department

BUS-375 International Business Law	3
CBA-490 Independent Study: Global Business	3
ECO-305 International Trade and Investment	3
ECO-315 Comparative Economic Systems	3

ECO-365 The Post-Soviet Economy & U.S. Business	3
FIN-308 International Finance	3
MGT-375 International Management	3
MKT-330 International Marketing	3

**List B** - at least one from this list is required

BUS-492 Global Business Internship	3
CBA-315 Global Business Study Tour	3
Study Abroad Program (CBA-310, CBA-311, CBA-312, CBA-313)	
POL-295 Special Topics: Model UN	

### Track A - Foreign Language Minor

If you choose Track A (I, II, or III) - select six courses and allocate liberal arts, humanities and social studies electives to complete the requirements.

#### I. French Minor

(18 hours)

FRE-200 French III	3
FRE-201 French IV	3
FRE-305 An Introduction to French Literature	3
And three (3) or more advanced courses, including at least two (2) literature courses not yet taken	9

#### II. German Minor

(18 hours)

GER-200 German III	3
GER-201 German IV	3
GER-305 Introduction to German Literature	
or	
GER-307 German Literature and Film	3
Three (3) or more advanced courses	9

#### III. Spanish Minor

(18 hours)

SPA-200 Spanish III	3
SPA-201 Spanish IV	3
SPA-300 Advanced Grammar and Composition	
or	
SPA-302 Writing and Translating for the Professions	3
SPA-320 Introduction to Spanish Literature	
or	
SPA-325 Introduction to Latin-American/Latino Literature	3
Two (2) additional courses at 300 level (one must be literature, one culture or phonetics)	6



# BUSINESS ADMINISTRATION

## Track B - Global Perspective

If you choose Track B - select four courses using liberal arts, humanities and social studies electives to complete.

COM-252	Intercultural Communication	.3
COM-393	International Communication	.3
GMS-180	International Dimensions of an Integrated World	. . . . . 3
GMS-200	The Social Construction of a Global Society	. . . . . 3
GMS-201	The Politics of the Global Economy	. . . . . 3
HIS-266	Modern Britain	. . . . . 3
HIS-274	History of Russia since 1855	. 3
HIS-281	The Modern Middle East	. . . 3
HIS-283	Modern Latin America	. . . . 3
HIS-286	Modern East Asia	. . . . . 3
HIS-287	China in Revolution	. . . . . 3
HIS-288	African History	. . . . . 3
HIS-289	History of Modern Japan	. . . 3
HIS-311	American Foreign Relations since 1900	. . . . . 3
HIS-312	History Abroad	. . . . . 3
HIS-350	20th Century Europe	. . . . . 3
IND-210	Global Encounters: A Cultural Experience By Travel	. . . . . 3
LIT-312	20th Century Russian Literature	. . . . . 3
LIT-313	Contemporary Russian Literature	. . . . . 3
MUS-312	The Arts Abroad	. . . . . 3
POL-215	Global Politics	. . . . . 3
POL-216	Comparative Political Systems	. . . . . 3
POL-218	The Pacific Rim in the 21st Century	. . . . . 3
POL-219	Terrorism Revolution and Political Violence	. . . . 3
POL-225	Nationalism in World Politics	. . . . . 3
POL-255	European Politics	. . . . . 3
POL-315	Global Issues	. . . . . 3
POL-320	Politics of the Middle East	. . 3
POL-350	U.S. Foreign and Security Policy	. . . . . 3
POL-365	Third World Politics	. . . . . 3
SOC-270	Africa	. . . . . 3
SOC-271	Europe	. . . . . 3
SOC-311	Social and Cultural Change	. . 3
SOC-341	Developing Societies	. . . . . 3
THE-312	The Arts Abroad	. . . . . 3
	Any Foreign Language Elective	. . . . . 3

## HUMAN RESOURCE MANAGEMENT

Human Resource Management (HRM) professionals perform many vital business activities in organizations. As both private and public sector organizations have become more concerned about such issues as legal compliance and ensuring employee work behaviors are aligned with strategic objectives, the demand for well-trained HRM professionals has increased greatly. Practitioners in HRM are involved in a variety of important, interesting, and challenging activities. They establish and implement policies that affect such organizational functions as recruitment, selection, training and development, performance management, compensation and benefits. Additionally, HRM professionals may be involved with human resource planning, job design and developing and implementing strategy. HRM professionals also take on responsibility for making sure that all aspects of organizational operations are in full compliance with equal employment opportunity legislation and other relevant employment laws. Our HRM major provides a strong foundation for successful careers in all of the above activities.

### Requirements for the Major (18 semester hours)

MGT-310	Introduction to Human Resource Management	. . . . . 3
PLUS five of the following courses, including at least three of the first five listed: . . . 12		
MGT-312	Introduction to Labor Relations	. . . . . 3
MGT-313	Legal Aspects of Human Resource Management	. . . . . 3
MGT-315	Employee Selection and Training	. . . . . 3
MGT-316	Compensation Administration	. . . . . 3
MGT-320	Managing Workforce Diversity	. . . . . 3
MGT-336	Career Management	. . . . . 3
MGT-346	Negotiation	. . . . . 3
MGT-355	Team Management	. . . . . 3
MGT-363	Management Skills	. . . . . 3
MGT-375	International Management	. . . 3
MGT-441	Selected Topics in Human Resource Management	. . . . . 3
MGT-490	Independent Research Study	. . . 3

An average of C or better is required in the 18 semester credit hours required of the human resource management major. Majors are encouraged to take MGT-492 Internship in Human Resource Management as a business or free elective.

## MANAGEMENT AND LEADERSHIP

The manager's job is an exciting and fast-paced one that requires the ability to make decisions quickly and facilitate the work of others. The management and leadership major gives students the knowledge and skills they need to compete in a rapidly changing global marketplace. Firms of all sizes and in all fields need good managers who know how to motivate subordinates, manage teams, resolve conflicts, and lead by example. Businesses want new employees who can handle themselves as subordinates, supervisors, and team members. Whether students are looking for a position with a medium to large organization or thinking of starting companies of their own, the management and leadership major provides the knowledge and skills they will need to be successful.

### Requirements for the Major (18 semester hours)

MGT-355	Team Management	. . . . . 3
MGT-363	Management Skills	. . . . . 3
Plus four of the following courses . . . . . 12		
MGT-310	Introduction to Human Resource Management	. . . . . 3
MGT-320	Managing Workforce Diversity	. . . . . 3
MGT-336	Career Management	. . . . . 3
MGT-346	Negotiation	. . . . . 3
MGT-348	Small Business Management	. 3
MGT-375	International Management	. . . 3
MGT-421	Selected Topics in Management and Organizational Behavior	. 3
MGT-448	Seminar in Small Business Consulting	. . . . . 3
MGT-490	Independent Research and Study	. . . . . 3

An average grade of C or better is required in the 18 semester credit hours that are required for the management and leadership major. Majors are encouraged to take MGT-491 Internship in Management and Leadership as a business or free elective.

# BUSINESS ADMINISTRATION

## MANAGEMENT AND LEADERSHIP AND HUMAN RESOURCE MANAGEMENT DOUBLE MAJOR

### Requirements for the Double Major (30 semester hours)

MGT-310	Introduction to Human Resource Management . . . . .	3
MGT-355	Team Management . . . . .	3
MGT-363	Management Skills . . . . .	3
Plus seven of the following courses, including at least three of the first five listed . . . . .		18
MGT-312	Introduction to Labor Relations . . . . .	3
MGT-313	Legal Aspects of Human Resource Management . . . . .	3
MGT-315	Employee Selection and Training . . . . .	3
MGT-316	Compensation Administration . . . . .	3
MGT-320	Managing Workforce Diversity . . . . .	3
MGT-336	Career Management . . . . .	3
MGT-346	Negotiation . . . . .	3
MGT-348	Small Business Management . . . . .	3
MGT-375	International Management . . . . .	3
MGT-421	Selected Topics in Management and Organizational Behavior . . . . .	3
or 441	Selected Topics in Human Resource Management . . . . .	3
(either 421 or 441 can be taken, not both)		
MGT-448	Seminar in Small Business Consulting . . . . .	3
MGT-490	Independent Research Study . . . . .	3

An average grade of C or better is required in the 30 semester credit hours that are required for the management and leadership and human resource management double major. Majors are encouraged to take either MGT-491 Internship in Management and Leadership OR MGT-492 Internship in Human Resource Management as a business or free elective.

## MARKETING

The marketing major prepares students for a broad array of careers in such fields as sales, retailing, promotion, distribution, customer service, marketing research and others. Possible employment opportunities can be found with profit or nonprofit and public or private organizations marketing goods or services to consumers, businesses or other organizations.

### Requirements for the Major (18 semester hours)

MKT-366 Marketing Research . . . . .	3
MKT-460 Marketing Management Seminar . . . . .	3

Four additional courses from the following list are required for the major . . . . .

ADV-300 Advertising Principles . . . . .	3
ADV-311 Advertising Copy and Layout . . . . .	3
ADV-315 Media Planning and Strategy . . . . .	3
MKT-305 Social Issues in Marketing . . . . .	3
MKT-310 Business to Business Marketing . . . . .	3
MKT-320 Consumer Behavior . . . . .	3
MKT-330 International Marketing . . . . .	3
MKT-340 Personal Selling . . . . .	3
MKT-360 Services Marketing . . . . .	3
MKT-350 Retailing Management . . . . .	3
MKT-406 Marketing Research Project . . . . .	3
MKT-440 Sales Management . . . . .	3
MKT-469 Selected Topics in Marketing . . . . .	3

Students interested in retailing usually choose: MKT-320 Consumer Behavior, 350–Retailing Management, and 440–Sales Management.

Students interested in business to business marketing usually choose: MKT-310 Business to Business Marketing, 340–Personal Selling, and 440–Sales Management.

Students interested in marketing research usually choose: MKT-320–Consumer Behavior, 366–Marketing Research, and 406–Marketing Research Project.

For graduation, students must achieve an overall GPA of 2.0 or higher in the major, with no course grade less than C-. Majors are encouraged to take additional courses offered by the department of marketing to satisfy business and free elective requirements.

### Global Business Concentration (12 credit hours)

The global business concentration is available to any CBA student interested in acquiring increased competence about global business and trade.

Students need to take at least four global business electives from the following set of courses:

**List A:** (no more than two courses from any one department may be counted toward the requirements for a concentration in global business)

BUS-375 International Business Law	
BUS-490 Independent Research and Study	
ECO-305 International Trade and Investment	
ECO-315 Comparative Economic Systems	
ECO-365 The Post-Soviet Economy and U.S. Business	
FIN-308 International Finance	
MGT-375 International Management	
MKT-330 International Marketing	

**List B:** (only one of the three courses below may be counted among the four required courses:)

BUS-492 Global Business Internship (3 credit hours)	
CBA-315 Global Business Study Tour	
CBA-490 Independent Study: Global Business Study Abroad program (CBA-310, CBA-311, CBA-312, CBA-313)	
POL-295 Special Projects: Model UN	
For further details concerning the global business concentration or global business major, please see the director of global business programs.	

### Entrepreneurial Studies (ES) Concentration

The ES concentration is an option for any business student desiring to focus on starting a new venture, or working in a small or family firm environment.

The ES concentration requires four business administration courses as outlined below (courses to be counted as either major, business or free electives):

1. MGT-348 Small Business Management

2. Three of the following courses:

MGT-448 Seminar in Small Business Consulting	
BUS-410 New Venture Planning	
CBA-220 Minding Our Business	
BUS-214 Advanced Business Law or	
BUS-210 Contracts	
CIS-260 Business Graphics or	
CIS-340 E-Commerce	
ACC-335 Small Business Taxation	
MKT-350 Retailing Management	
FIN-350 Entrepreneurial Finance	
CBA-350 Family Business Management	

# BUSINESS ADMINISTRATION

## Minor Programs

### ADVERTISING

(Available to communication majors only)

#### Requirements for the Minor

(30 semester hours)

ADV-300	Advertising Principles	3
ADV-311	Advertising Copy and Layout	3
ADV-315	Media Planning and Strategy	3
ADV-435	Advertising Campaigns	3
COM-105	Mass Media Communications	3
COM-212	Publication Design	3
COM-240	Public Relations	3
COM-302	Communication Ethics	3
MKT-200	Marketing Principles	3
MKT-320	Consumer Behavior	3

### COMPUTER INFORMATION SYSTEMS

(Available to all nonbusiness majors)

(12 semester hours)

CIS-185	Introduction to Computing (required)	3
CIS-200	Introduction to Programming	3
CIS-310	Networking	3
CIS-260	Business Graphics	3
CIS-270	Telecommunications	3
CIS-300	Object-Oriented Programming	3
CIS-320	Systems Administration	3
CIS-330	Database Management	3
CIS-340	Electronic Commerce	3
CIS-350	Internet Applications Development	3
CIS-360	Knowledge Management	3
CIS-370	Systems Analysis and Design	3
CIS-380	Systems Project	3
CIS-420	Enterprise Security	3
CIS-430	Enterprise Integration*	3

\*permission of instructor

### GENERAL BUSINESS

(Available to nonbusiness majors only)

#### Requirements for the Minor

(24 semester hours)

MSD-105	Quantitative Methods for Business	3
or		
MTH-210	Calculus I	
MSD-200	Statistical Methods I	3
	(One of the following may be substituted:	
PSY-205	Statistics and Computers	
GEO-200	Statistical and Computer Applications in the Natural Sciences,	
MTH-120	Introduction to Applied Statistics)	

ECO-200	Macroeconomics	3
or 201	Microeconomics	
ACC-210	Principles of Financial Accounting	3
MGT-201	Fundamentals of Management and Organizational Behavior	3
MKT-200	Marketing Principles	3
BUS-300	Social and Legal Environment of Business	3
FIN-300	Introduction to Finance	3

A minimum of six courses must be taken in business administration and students must achieve a minimum GPA of 2.0 in the minor.

### SALES FOR NONBUSINESS MAJORS

(Available to all nonbusiness majors)

(21 semester hours)

MSD-105	Quantitative Methods I	3
or		
MTH-105	Algebra & Trigonometry	
ENV-200	Statistical & Computer Applications in the Natural Sciences	3
or		
MSD-200	Statistical Methods I	
or		
MTH-120	Introduction to Applied Statistics	
or		
PSY-205	Statistics & Experimentation	
MKT-200	Marketing Principles	3
MKT-340	Personal Selling	3
MKT-440	Sales Management	3

Two of the following elective classes:

HTH-205	Introduction to the Healthcare Sector	
MKT-310	Business to Business Marketing	
MKT-335	Advertising Principles	
MKT-350	Retailing Management	
MKT-380	Healthcare Marketing	6

### HEALTH ADMINISTRATION MINOR

(21-24 semester hours)

#### Required courses for business majors

Note that courses with an HTH prefix will count as liberal arts courses. HTH-315 and HTH-336 are cross-listed with BUS-315 and ECO-336, respectively. If the student registers for the HTH designation, the course will count as a liberal arts course, and if the student registers for the BUS or ECO designation, the course will count as a business course.

HTH-205	Introduction to the Health Care Sector	3
HTH-336/	Economics of the Health Care Sector	3
ECO-336	Care Sector	3
HTH-315/	Health Care Law, Ethics & Policy	3
BUS- 315	or	
BIO-206	The Pharmaceutical Industry	3
HTH-450	Seminar in Health Research	3
or		
HTH-491	Health Administration Internship	3

#### Required courses for nonbusiness majors

HTH-205	Introduction to the Health Care Sector	3
HTH-336/	Economics of the Health Care Sector	3
ECO-336	Care Sector	3
MGT-201	Fund of Management & Organizational Behavior	3
MKT-200	Marketing Principles	3
HTH-315/	Health Care Law, Ethics and Policy	3
BUS-315	or	
BIO-206	The Pharmaceutical Industry	3
HTH-450	Seminar in Health Research	3
or		
HTH-491	Health Administration Internship	3

**All health administration minors will select one course from the following menu:**

#### Science/Psychology

BIO-100	Life Science: Human Emphasis	
BIO-101	Life Science: Cell Biology and Genetics	
BIO-106	Life Science: Human Disease	
BIO-108	Life Science: Biology of Human Aging	
BIO-110	Life Science: Inquiry Approach	
BIO-115	Principles of Biology: Evolution, Diversity, Biology of Animals	
BIO- 221	Human Anatomy & Physiology I	
BPY-107	Life Science: Biopsychology	
BPY-275	Behavioral Neuroscience	
CHE-115	Chemistry and Contemporary Society	
PSY-220	Abnormal Psychology	
PSY-365	Drugs and Human Behavior	
PSY-374	Psychology of the Family	
PSY-382	Aging, the Brain and Cognition	

# BUSINESS ADMINISTRATION

**Business majors select two, and nonbusiness majors select one from the following menu:**

## **Social Science/Business**

AMS-304 Technology  
and Science in America  
BIO-206\* The Pharmaceutical Industry  
PHL-202 Social Philosophy  
PHL-304 Medical Ethics  
SOC-346 Health Care and Society  
SOC-347 Aging and the Elderly  
SOC-350 Social Policy  
SOW-200 Social Services and Social  
Work

BUS-300 Social and Legal Environment  
of Business (may be used only  
by non-business majors)  
HTH-315/ Health Care Law,  
BUS-315\* Ethics and Policy

ECO-335 Economics of the Public Sector  
MGT-310 Intro to Human Resource  
Management

\* These courses may not be used to fulfill  
two different categories. If both courses are  
taken, one will count toward required cate-  
gory and the other will count toward the  
social science/business category.



# School of Education

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# EDUCATION

Since 1913, the School of Education at Rider University has made a difference, responding with imagination to the education profession by preparing graduates for the opportunities and challenges of teaching.

Committed to excellence, the School of Education keeps all its programs relevant to the changing needs of students, the professional communities it serves, and society by anticipating those needs and taking measures to meet them. This commitment to excellence is based on the belief that today's teacher must be able to demonstrate sensitivity to students, familiarity with curriculum, and a thorough knowledge of subject matter and the learning process.

Rider University teacher preparation programs are grounded in current research on learning, curriculum, teaching, and exemplary practice of reflective teachers.

Rider University prepares teachers who understand:

- that learning involves the active construction of knowledge through posing questions, exploring materials, and testing ideas;
- that this learning may take place in cooperative learning groups as well as individual learning activities;
- that teaching is not just the performance of various learned strategies and methods but a reflective process of observation, deliberation and assessment throughout one's career;
- that all curriculum content is interrelated and often is learned best in integrated or thematic units of study;
- that assessment and teaching are dynamic processes that go hand in hand;
- and that curriculum and teaching must be responsive to the culture, class, gender and strengths, needs, past experiences, and interests of individual students.

When students enroll in the School of Education, they have the opportunity to work with a professor during their time at Rider who will personally advise them and assist them in developing their specific programs. In their classes they will work directly with members of the faculty who have been successful practitioners in their respective fields. Students enrolled in the Rider teacher preparation programs receive structured experiences working with children, teachers, school administrators, and community agencies.

Each undergraduate education course is taught in conjunction with a semester-long field experience in a public school in which students work with an experienced classroom teacher and a Rider professor two half-days a week. Over the course of his or her profes-

sional preparation, each student is placed in a variety of grade levels in both urban and suburban schools.

In the sophomore year, students work as teacher assistants. They observe and help conduct learning activities that the teacher has planned. In the junior year, students continue to observe and assist but also plan for and teach individuals, small groups, and full classes. In the senior year, students complete an entire semester of full-time student teaching.

The future offers unique challenges and opportunities for teacher education students. Education welcomes those students who want to make a difference in their own lives and the lives of others. The program prepares students to learn how to affect change in an ever-changing world.

## Mission

The School of Education prepares undergraduate and graduate students for professional careers in education, organizations, and agencies in the diverse American society. The School of Education fosters the intellectual, personal, and social development of each student for a changing world by creating and providing programs that embody the highest academic and professional standards.

The School of Education develops students who are committed, knowledgeable, and reflective and who value service, ethical behavior, and the improvement of one's self and profession. The School of Education promotes a climate of scholarly inquiry, high expectations for achievement, and best professional practices while establishing beneficial relationships with the public and exchanging relevant ideas and services that speak to emerging needs.

This Mission Statement is based on the Conceptual Framework of the School of Education. The Framework can be accessed on the School of Education Web site.

## Accreditation

All teacher preparation programs offered by the School of Education are approved by the New Jersey State Department of Education using standards of the National Association of State Directors of Teacher Education and Certification (NASDTEC). In addition, teacher preparation programs are accredited by the National Council for the Accreditation of Teacher Education

(NCATE), the highest accreditation possible in teacher education. This helps our graduates as they seek employment nationwide.

In the United States nearly 1,500 colleges and universities offer teacher education but only about 588 are NCATE accredited. In New Jersey only eight of about 25 colleges and universities have NCATE accreditation; Rider is the first private institution in New Jersey to do so. The institutional pass rate for Title II assessment of program completers in the School of Education for 2003-04 is 98%.

## Degrees

At the undergraduate level, the School of Education offers three degree programs. The degrees are: (1) B.S. in Education, with a major in comprehensive business education; (2) B.A. in Elementary Education, with a major in elementary education (including minors in early childhood education, special education and middle school education); (3) B.A. in Secondary Education, with majors in English, mathematics, science, social studies, and world language (French, German, Spanish).

## Admission

Admission to the School of Education places great responsibility upon students. In enrolling, students enter into a relationship with instructors and fellow students in which there are shared responsibilities. Students are expected to display a commitment to study and to initiate intellectual pursuits. Further, students are expected to recognize that learning involves bringing interests, enthusiasm, curiosity, and reflection to their work. The experiences that unfold during class meetings should be considered opportunities for personal growth and learning. These opportunities are by no means limited to the classroom but include work in the field and on campus as well.



# EDUCATION

## Teacher Education Program Design

### Self-Development

In the freshman year, emphasis is placed on developing those basic skills that enable a prospective teacher to become a scholar and to engage successfully in college-level studies. In addition, a specially designed freshman seminar helps the student adjust to college life.

### Studies Undergirding Teaching and Learning

Early experience through courses in the social sciences and behavioral studies emphasizing psychology provide an important scholarly foundation for educational practice. In addition, college-level study of subjects related to the student's teaching field is an important element in this phase of the teacher education program.

### Selective Retention in Teacher Education

Education students must demonstrate competence in their academic work to continue in the teacher preparation program. Competence is assessed in a variety of ways and at different levels. Sophomore education students must maintain a 2.75 cumulative average in all courses taken at Rider. Students must also receive a grade of C+ or higher in all education courses. It is the individual student's responsibility to retake any education course in which a grade lower than C+ has been earned. The GPA requirement for admission to junior level education courses is 2.75. Students will be permitted to undertake student teaching only if they have received C+ or higher in all education courses and have a cumulative GPA of at least 2.8.

The undergraduate education department also reviews the professional development of all students to ensure that they meet departmental standards for professional conduct and that they show promise of success in teaching. This review is in addition to the grade requirements listed above; in addition, the elementary education program requires passing the Praxis I Writing, Praxis I Math, and Praxis Content Knowledge tests prior to registration in junior-level courses. As appropriate, students who fail to meet the department's standards will be counseled on ways to improve their performance or asked to leave the program.

## Teacher Certification and Placement

Teacher candidates are recommended for certification only when they have: (1) successfully completed all course requirements of a particular program; and (2) successfully demonstrated continued competence, aptitude, motivation, and potential for outstanding success in teaching. Students must have attained at least a C+ in student teaching along with a cumulative GPA of 2.75. It should be noted that for New Jersey certification (and many other states as well) it is necessary to pass the appropriate Praxis Series exam, formerly called the National Teacher Examination or NTE. Consult the certification office in Memorial Hall 111 for further details.

Graduates who have completed all the requirements of an approved program in teacher education are eligible to receive, upon passing a Praxis Series test of academic knowledge related to the field of certification, a New Jersey Certificate of Eligibility with Advanced Standing. The Certificate of Eligibility with Advanced Standing is valid for the lifetime of its holder. It authorizes the holder to seek and accept offers of employment in New Jersey schools. New Jersey has directed other states to accept the Certificate of Eligibility with Advanced Standing as evidence of completion of an approved college teacher education program. In New Jersey, a Provisional Certificate will be issued to those who receive offers of employment from school districts. The Provisional Certificate is a temporary license, valid for one year. It authorizes the holder to serve as a salaried teacher, and to perform all teaching duties within the endorsement field under the supervision of a district support team. Later, the New Jersey Standard Certificate will be issued to those who serve for one year under the Provisional Certificate and who are recommended as approved by their school principal based on evaluations of the provisionally certified teacher's classroom performance, conducted by the principal and other certified evaluators.

Students seeking out-of-state certification will find that completing a NCATE approved program will enable them to become certified immediately in many states. Since each state has its own requirements for teacher certification, it is wise for students to contact the certification office (Memorial Hall 116) for assistance in determining out-of-state certification requirements and state reciprocity agreements.

## Transfer Requests

Students transferring from other institutions are encouraged to become familiar with the education programs. Transcripts are reviewed in terms of Rider's program requirements, and this review is made available to prospective students.

Students enrolled in other colleges at Rider who wish to transfer into teacher education programs must file a written request with the chair of the department of teacher education. Before formal admission is effected, personal interviews may be scheduled with faculty.

## Degree Programs

Rider's education programs in teacher preparation combine classroom study with laboratory and field experiences to help students develop a high degree of professional expertise and become generally well educated. All undergraduate baccalaureate degree programs require broad liberal studies and concentrated study in subjects related to the program specialization.

### Elementary Education (B.A.)

To develop into learned and professionally skilled early childhood and elementary school teachers, students engage in studies that provide an academic background for those subjects they will be teaching. Elementary education majors select a liberal arts discipline in which they fulfill the requirements for the major. The fulfillment of these requirements, together with general studies courses, provides a substantial liberal studies background as well as a foundation for professional development.

Listed below are the general studies requirements and the professional education requirements.

Please see the School of Liberal Arts and Sciences chapter for requirements for the second major or the College of Continuing Studies chapter, bachelor of arts in liberal studies, marine ecology emphasis.

# EDUCATION

## General Studies and Academic Major Requirements

(96-99 semester hours minimum)

PSY-100	Introduction to Psychology . . .	3
PSY-230	Developmental Psychology: Child . . . . .	3
COM-104	Speech Communication . . . . .	3
	English writing . . . . .	6
	Fine Arts appreciation elective . . . . .	3
	Fine Arts studio elective . . . . .	3
	History elective . . . . .	3
	Literature elective . . . . .	3
	Mathematics elective . . . . .	3
	Science electives (one lab) . . . . .	7
	Social science elective . . . . .	3
	Technology elective . . . . .	3
EDU-010	Cohort seminar (1 Supplemental Education Unit) General studies electives (varies according to second major) 6-16 Requirements of a selected academic major, (varies according to major) . . . . .	34-56

## Professional Education

(30 semester hours)

Sophomore-level introductory professional courses with associated field experiences:

EDU-106	Contexts of Schooling . . . . .	3
EDU-206	Developmental Educational Psychology . . . . .	3

Junior-level curriculum and instruction courses, including Reading, with associated field experiences:

ELD-307	Emergent Literacy P-3 . . . . .	3
ELD-308	Fostering Language and Literacy Development . . . . .	3
ELD-375	Teaching Math, N-8 . . . . .	3
ELD-376	Teaching Science, Social Studies and the Arts . . . . .	3

Senior-level professional semester including full-time student teaching:

EDU-465	Student Teaching and Seminar . . . . .	12
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## Interdisciplinary Minor in Special Education

The Interdisciplinary Minor in Special Education is designed for Rider University undergraduate students who are enrolled as elementary education majors with a second major in psychology. In addition to the courses required for the elementary education major, students enrolled in the minor program are required to take a specific sequence of courses within the psychology major. The following courses, designed to teach concepts and applications in special education, are also required:

SPE-201	Inclusion and Students with Disabilities
SPE-202	Community Resources for Students with Disabilities
SPE-301	Assessment for Instruction in Special Education
SPE-302	Instructional Practices for Children with Disabilities

Students enrolled in the interdisciplinary minor in special education are required to maintain a GPA of 2.75. The prescribed sequence of courses fulfill the requirements for a New Jersey Endorsement for Teacher of the Handicapped. Graduates of this dual licensure program also receive certification in elementary education.

## Early Childhood/Elementary Dual Licensure Program

The Early Childhood/Elementary Dual Licensure Program leads to two teaching certificates: Preschool through third grade (P-3) and Elementary (Kindergarten through fifth grade). In addition to the professional education courses required of elementary education students, students in this dual licensure program are required to take:

ECE-322	Observation and Assessment in Early Childhood Education
ECE-440	Early Childhood Curriculum and Teaching Internship
SOC-348	Human Service Organizations
PSY-374	Psychology of the Family
or	
SOC-205	The Family

This 132-semester hour program is available to any student who maintains a 2.75 GPA and meets all other requirements for admission and retention in the elementary education program.

## Minor in Middle School Education

The minor in middle school education leads to two teaching certificates: Elementary (Kindergarten through grade 5) and Middle School (grade 5 through grade 8). In addition, it provides students the opportunity to become "Highly Qualified" under *No Child Left Behind* legislation, and be certified in one of four disciplines for middle school teaching: English, mathematics, science, and social studies.

In addition to the professional education courses required of elementary education students, students in this dual licensure program are required to take:

ELD-350	Early Adolescence . . . . .	1
ELD-355	Teaching in the Inclusive Middle School . . . . .	1
ELD-360	Structure and Culture of the Middle School . . . . .	1

One of the following:

ELD-395	Literacy Learning in the Middle School . . . . .	3
ELD-380	Teaching Mathematics in the Middle School . . . . .	3
ELD-385	Teaching Science in the Middle School . . . . .	3
ELD-390	Teaching Social Studies in the Middle School . . . . .	3

Students majoring in secondary education may also minor in middle school education. They must complete the professional education courses required of their major, the sequence of three one-credit courses listed above (ELD-350, 355, and 360) and either ELD-370, ELD-380, or ELD-390 in place of the elementary methods course required in their program.

## Certificate in Technology

Students enrolled in education who successfully complete nine (9) credits in technology-based courses are eligible for the Certificate in Technology indicating proficiency in instructional technology. The certificate is obtained from the chair of the department.

## Bilingual Education

Certification in bilingual education is available to elementary education majors and secondary education majors who upon completion of the program have demonstrated competence in both English and another language. Candidates for this certification will complete:

	Multicultural studies electives . . . . .	3
EDU-262	Teaching in the Bilingual/Immersion Classroom . . . . .	3
EDU-320	Inst. Linguistics and Second Language Learning . . . . .	3
EDU-460	Educating and Evaluating the Bilingual Child . . . . .	3

Bilingual field experiences are required. Language proficiency evaluations are required.

## Secondary Education (B.A.)

Preparation to teach a particular academic subject is accomplished through a program requiring completion of the major requirements of the appropriate liberal arts or science major, general studies, and professional education major requirements.

## ENGLISH EDUCATION

General Studies and Academic (96-99 semester hours)

PSY-100	Introduction to Psychology . . .	3
COM-104	Speech Communication . . . . .	3
IND-350	Masterworks of World Literature . . . . .	3



# EDUCATION

Developmental	
Psychology elective . . . . .	3
English writing . . . . .	6-9
Science elective . . . . .	3
Theatre elective . . . . .	3
Philosophy elective . . . . .	3
Journalism or media elective .	3
Mathematics elective . . . . .	3
History elective . . . . .	3
Social science elective . . . . .	3
Creative writing/literature	
elective . . . . .	3
Technology elective(s) . . . . .	3
Fine arts elective . . . . .	3
ENG-411 History of the English	
Language . . . . .	3
ENG-445 Seminar in Black and Multi-	
Ethnic Literature . . . . .	3
or	
ENG-447 Seminar in Post-Colonial	
Literature . . . . .	3
COM-252 Intercultural Communication	3
or	
COM-353 Nonverbal Communication .	3
General studies electives . . .	12
EDU-010 Cohort seminar . . . . .	
(1 Supplemental Education Unit)	

## Requirements for the English Major (36 semester hours)

See the requirements for English literature or English writing major listed in the School of Liberal Arts and Sciences chapter, page 44.

## Professional Education

(30 semester hours)

Sophomore-level introductory professional courses with associated field experiences:

EDU-106 Contexts of Schooling . . . . .	3
EDU-206 Developmental Educational	
Psychology . . . . .	3

Junior- and senior-level curriculum and instruction courses with associated field experiences:

SED-370 Teaching in the High School	3
ELD-308 Fostering Language	
and Literacy Development . . .	3
SED-400 Teaching English Language	
Arts in Secondary Schools . . .	3
SED-431 Content Area Reading	
and Writing . . . . .	3

Senior-level professional semester including full-time student teaching:

EDU-465 Student Teaching	
and Seminar . . . . .	12

## ENGLISH AS A SECOND LANGUAGE

Certification in English as a second language (ESL) is available to elementary and secondary education majors. It may be achieved by an additional 3-6 semester hours by majors in English or foreign language (French, German or Spanish). All candidates for this certification will complete:

	Multicultural studies	
	electives . . . . .	3
EDU-320 Instructional Linguistics		
and Second Language		
Learning . . . . .	3	
SED-420 Teaching a Second		
Language . . . . .	3	
EDU-460 Educating and Evaluating		
the Bilingual Child . . . . .	3	
English as a Second Language		
field experiences are required.		
English proficiency evaluations		
are required.		

## FOREIGN LANGUAGE EDUCATION (French)

General Studies and Academic Major  
(96-99 semester hours minimum)

PSY-100 Introduction to Psychology .	3
COM-104 Speech Communication . . .	3
SOC-110 Anthropology: The Cross-	
Cultural Perspectives . . . . .	3
Developmental	
Psychology elective . . . . .	3
English writing . . . . .	6-9
Linguistic elective . . . . .	3
English elective . . . . .	3
History (related to major) . . .	3
Mathematics elective . . . . .	3
Philosophy elective . . . . .	3
Technology elective . . . . .	3
Science elective . . . . .	3
General studies electives .0-12	
Basic foreign language courses*	
. . . . .	0-12
EDU-010 Cohort seminar . . . . .	
(1 Supplemental Education Unit)	

**Requirements for the French Major**  
(24 semester hours beyond French IV and 12 semester hours in collateral liberal arts courses.)

See the requirements for the French major listed in the School of Liberal Arts and Sciences chapter, page 47.

## Professional Education Courses

(30 semester hours)

Sophomore-level introductory professional courses with associated field experiences:

EDU-106 Contexts of Schooling . . . . .	3
EDU-206 Developmental Educational	
Psychology . . . . .	3

Junior- and senior-level curriculum and instruction courses with associated field experiences:

EDU-320 Instructional Linguistics	
and Second Language	
Learning . . . . .	3
SED-370 Teaching in the High	
School . . . . .	3
SED-420 Teaching a Second	
Language . . . . .	3
SED-431 Content Area Reading	
and Writing . . . . .	3

Senior-level courses including full-time student teaching:

EDU-465 Student Teaching and	
Seminar . . . . .	12
*Students with advanced standing in French take liberal arts electives.	

## FOREIGN LANGUAGE EDUCATION (German)

General Studies and Academic Major  
(96-99 semester hours minimum)

PSY-100 Introduction to Psychology .	3
COM-104 Speech Communication . . .	3
SOC-110 Anthropology:	
The Cross-Cultural	
Perspectives . . . . .	3
Developmental Psychology	
elective . . . . .	3
English writing . . . . .	6-9
Linguistic elective . . . . .	3
English elective . . . . .	3
History (related to major) . . .	3
Mathematics elective . . . . .	3
Philosophy elective . . . . .	3
Technology elective . . . . .	3
Science elective . . . . .	3
General studies electives .0-9	
Basic foreign language courses*	
. . . . .	0-12
EDU-010 Cohort seminar . . . . .	
(1 Supplemental Education Unit)	

**Requirements for the German Major**  
(24 semester hours beyond German IV and 12 semester hours in collateral liberal arts courses.)

See the requirements for the German major listed in the School of Liberal Arts and Sciences chapter, page 48.

## Professional Education Courses

(30 semester hours)

Sophomore-level introductory professional courses with associated field experiences:

EDU-106 Contexts of Schooling . . . . .	3
EDU-206 Developmental Educational	
Psychology . . . . .	3

# EDUCATION

Junior- and senior-level curriculum and instruction courses with associated field experiences:

EDU-320	Instructional Linguistics and Second Language Learning	.3
SED-370	Teaching in the High School	.3
SED-420	Teaching a Second Language	.3
SED-431	Content Area Reading and Writing	.3

Senior-level courses including full-time student teaching:

EDU-465	Student Teaching and Seminar	.12
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\*Students with advanced standing in German take liberal arts electives.

## FOREIGN LANGUAGE EDUCATION (Spanish)

General Studies and Academic Major (96-99 semester hours minimum)+

PSY-100	Introduction to Psychology	.3
COM-104	Speech Communication	.3
	Developmental Psychology elective	.3
	English writing	.6-9
	Linguistics elective	.3
	History elective	.3
	Mathematics elective	.3
	Philosophy elective	.3
	Technology elective	.3
	Science elective	.3
	General studies electives	.0-9
	Basic foreign language courses*	.0-12
EDU-010	Cohort seminar	.3
	(1 Supplemental Education Unit)	

## Requirements for the Spanish Major

(30 semester hours beyond the Spanish 200 level courses and 12 semester hours in collateral liberal arts courses.)

See the requirements for the Spanish major listed in the School of Liberal Arts and Sciences chapter, page 49.

## Professional Education Courses

(30 semester hours)

Sophomore-level introductory professional courses with associated field experiences:

EDU-106	Contexts of Schooling	.3
EDU-206	Developmental Educational Psychology	.3

Junior- and senior-level curriculum and instruction courses with associated field experiences:

EDU-320	Instructional Linguistics and Second Language Learning	.3
SED-370	Teaching in the High School	.3
SED-420	Teaching a Second Language	.3
SED-431	Content Area Reading and Writing	.3

Senior-level courses including full-time student teaching:

EDU-465	Student Teaching and Seminar	.12
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\*Students with advanced standing in Spanish take liberal arts elective.  
+Study abroad may substitute for some of these courses.

## HISTORY EDUCATION

See Social Studies Education on page 31.

## MATHEMATICS EDUCATION

General Studies and Academic Major (96-99 semester hours)

PSY-100	Introduction to Psychology	.3
COM-104	Speech Communication	.3
	Developmental Psychology elective	.3
	English writing	.6-9
	Social science elective	.3
	History elective	.3
	Fine Arts elective	.3
	Literature elective	.3
	Philosophy elective	.3
	Technology elective	.3
	General studies electives	.13
EDU-010	Cohort seminar	.3
	(1 Supplemental Education Unit)	

## Requirements for the Major

(50 semester hours)

See the requirements for the mathematics major listed in the School of Liberal Arts and Sciences chapter, page 58.

## Professional Education Requirements

(30 semester hours)

Sophomore-level introductory professional courses with associated field experiences:

EDU-106	Contexts of Schooling	.3
EDU-206	Developmental Educational Psychology	.3

Junior- and senior-level curriculum and instruction courses with associated experiences:

SED-370	Teaching in the High School	.3
ELD-375	Teaching Math N-8	.3
SED-415	Teaching Mathematics in Secondary Schools	.3
SED-431	Content Area Reading and Writing	.3

Senior-level courses including full-time student teaching:

EDU-465	Student Teaching and Seminar	.12
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## SCIENCE EDUCATION (BIOLOGY)

General Studies

(33-36 semester hours)

PSY-100	Introduction to Psychology*	.3
COM-104	Speech Communication	.3
	Developmental Psychology elective	.3
	English writing	.6-9
	Social science elective	.3
	Fine Arts elective	.3
	History elective	.3
	Literature elective	.3
	Philosophy elective	.3
	Technology elective	.3
EDU-010	Cohort seminar	.3
	(1 Supplemental Education Unit)	

## Requirements for the Major

(64-66 semester hours minimum)

See the requirements for the biology major listed in the School of Liberal Arts and Sciences chapter, page 39.

## Professional Education

(30 semester hours)

Sophomore-level introductory professional courses with associated field experiences:

EDU-106	Contexts of Schooling	.3
EDU-206	Developmental Educational Psychology	.3

Junior- and senior-level curriculum and instruction courses with associated field experiences:

SED-370	Teaching in the High School	.3
ELD-376	Teaching Science, Social Studies, and the Arts, N-8	.3
SED-410	Teaching Science in Secondary Schools	.3
SED-431	Content Area Reading and Writing	.3

Senior-level courses including full-time student teaching:

EDU-465	Student Teaching and Seminar	.12
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# EDUCATION

## SCIENCE EDUCATION (CHEMISTRY)

### General Studies

(33-36 semester hours)

PSY-100	Introduction to Psychology	.3
COM-104	Speech Communication	.3
	Developmental Psychology	
	elective	.3
	English writing	.6-9
	Social science elective	.3
	Fine Arts elective	.3
	History elective	.3
	Literature elective	.3
	Philosophy elective	.3
	Technology elective	.3
EDU-010	Cohort seminar	.3
	(1 Supplemental Education Unit)	

### Requirements for the Major

(66 semester hours)

See the requirements for the chemistry major listed in School of Liberal Arts and Sciences chapter, page 41.

### Professional Education

(30 semester hours)

Sophomore-level introductory professional courses with associated field experiences:

EDU-106	Contexts of Schooling	.3
EDU-206	Developmental Educational Psychology	.3

Junior- and senior-level curriculum and instruction courses with associated field experiences:

SED-370	Teaching in the High School	.3
ELD-376	Teaching Science, Social Studies, and the Arts, N-8	.3
SED-410	Teaching Science in Secondary Schools	.3
SED-431	Content Area Reading and Writing	.3

Senior-level courses including full-time student teaching:

EDU-465	Student Teaching and Seminar	.12
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## SCIENCE EDUCATION (GEOSCIENCES)

### General Studies

(33-36 semester hours)

PSY-100	Introduction to Psychology	.3
COM-104	Speech Communication	.3
	Developmental Psychology	
	elective	.3
	English writing	.6-9
	Social science elective	.3
	Fine Arts elective	.3
	History elective	.3
	Literature elective	.3
	Philosophy elective	.3
	Technology elective	.3

EDU-010	Cohort seminar	.3
	(1 Supplemental Education Unit)	

### Requirements for the Major

(65-69 semester hours minimum)

See the requirements for the geosciences major listed in the School of Liberal Arts and Sciences chapter, page 50.

## Professional Education Requirements

(30 semester hours)

Sophomore-level introductory professional courses with associated field experiences:

EDU-106	Contexts of Schooling	.3
EDU-206	Developmental Educational Psychology	.3

Junior- and senior-level curriculum and instruction courses with associated field experiences:

SED-370	Teaching in the High School	.3
ELD-376	Teaching Science, Social Studies, and the Arts, N-8	.3
SED-410	Teaching Science in Secondary Schools	.3
SED-431	Content Area Reading and Writing	.3

Senior-level courses including full-time student teaching:

EDU-465	Student Teaching and Seminar	.12
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## SCIENCE EDUCATION (PHYSICS)

### General Studies

(33-36 semester hours)

PSY-100	Introduction to Psychology	.3
COM-104	Speech Communication	.3
	Developmental Psychology	
	elective	.3
	English writing	.6-9
	Social science elective	.3
	Fine Arts elective	.3
	History elective	.3
	Literature elective	.3
	Philosophy elective	.3
	Technology elective	.3
	General studies	.4-5
EDU-010	Cohort seminar	.3
	(1 Supplemental Education Unit)	

### Requirements for the Major

(58-59 semester hours)

See the requirements for the physics major listed in the School of Liberal Arts and Sciences chapter, page 57.

## Professional Education Requirements

(30 semester hours)

Sophomore-level introductory professional courses with associated field experiences:

EDU-106	Contexts of Schooling	.3
EDU-206	Developmental Educational Psychology	.3

Junior- and senior-level curriculum and instruction courses with associated field experiences:

SED-370	Teaching in the High School	.3
ELD-376	Teaching Science, Social Studies, and the Arts, N-8	.3
SED-405	Teaching Social Studies in Secondary Schools	.3
SED-431	Content Area Reading and Writing	.3

Senior-level courses including full-time student teaching:

EDU-465	Student Teaching and Seminar	.12
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## SOCIAL STUDIES EDUCATION

### General Studies

(60-63 semester hours)

COM-104	Speech Communication	.3
POL-100	Introduction to American Politics	.3
PSY-100	Introduction to Psychology	.3
SOC-101	Sociological Imagination	.3
GEO-100	Physical Geology	.3
ECO-200	Principles of Macroeconomics	.3
	Developmental psychology	
	elective	.3
	English writing	.6-9
	Science elective	.3
	Mathematics elective	.3
	World History elective	.3
	U.S. History I and II	.6
	Philosophy elective	.3
	Technology elective	.3
	Art perspective elective	.3
	General studies electives	.6
EDU-010	Cohort seminar	.3
	(1 Supplemental Education Unit)	

### Option one:

Requirements for the Major

See the requirements for the history major listed in the School of Liberal Arts and Sciences chapter, page 54.

# EDUCATION

## Option two:

Complete a social studies major that includes the following:

(36 semester hours)

- Five courses in one social science discipline (philosophy, political science, psychology, or sociology), including a research course .....15
- Regional history (Latin America, Near East, Far East, or Africa) .....6
- Social science electives .....15

## Professional Education Requirements

(30 semester hours)

Sophomore-level introductory professional courses with associated field experiences

- EDU-106 Contexts of Schooling .....3
- EDU-206 Developmental Educational Psychology .....3

Junior- and senior-level curriculum and instruction courses with associated field experiences

- SED-370 Teaching in the High School .....3
- ELD-376 Teaching Science, Social Studies, and the Arts, N-8 ..3
- SED-405 Teaching Social Studies in Secondary Schools .....3
- SED-431 Content Area Reading and Writing .....3

Senior-level courses including full-time student teaching:

- EDU-465 Student Teaching and Seminar .....12

## Psychology Teacher Preparation

This program specialization prepares students to become certified teachers of psychology. It is available to students enrolled in the elementary or social studies education programs. Students must elect psychology or social studies as the second major accompanying the education major and take the appropriate psychology internship (PSY-480: Field Work Internships in Psychology).

## Business Education (B.S. in Education)

### COMPREHENSIVE BUSINESS EDUCATION, MARKETING EDUCATION, AND COOPERATIVE EDUCATION COORDINATOR

General Studies

(48-51 semester hours)

- COM-104 Speech Communication ....3
- ECO-200 Principles of Macroeconomics .....3
- ECO-201 Principles of Microeconomics .....3
- Developmental psychology elective .....3
- English writing .....6-9
- Literature .....3
- History .....3
- Mathematics .....3
- Science .....3
- Philosophy .....3
- Fine Arts .....3
- General studies electives ...9
- EDU-010 Cohort seminar ..... (1 Supplemental Education Unit)

### Requirements for the Major

(48 semester hours)

- BUS-210 Introduction to Law: Contracts .....3
- MKT-200 Marketing Principles .....3
- MGT-348 Small Business Management .....3
- BED-445 Cooperative Work Experience .....3
- MGT-201 Fundamentals of Management and Organizational Behavior .....3
- ENG-317 Electronic Writers Workshop .....3
- or
- ENG-316 Theories of Writing and Tutoring .....3
- or
- ENG-321 Workplace Writing: Business and Professional Contexts ..3
- Two of the following:
- MGT-336 Career Management .....3
- or
- MGT-355 Team Management .....3
- or
- MGT-363 Management Skills .....3
- MKT-320 Consumer Behavior .....3
- or
- MKT-340 Personal Selling .....3
- Accounting .....9
- Technology electives .....12

## Professional Education

(30 semester hours)

- EDU-106 Contexts of Schooling .....3
- EDU-206 Developmental Educational Psychology .....3
- SED-370 Teaching in the High School 3
- BED-410 Principles and Strategies of Vocational and Cooperative Education .....3
- BED-415 Teaching Business Subjects .3
- SED-431 Content Area Reading and Writing .....3
- EDU-465 Student Teaching and Seminar .....12



# School of Liberal Arts and Sciences

**Undergraduate Academic Catalog • 06/07**

**[www.rider.edu](http://www.rider.edu)**

# LIBERAL ARTS AND SCIENCES

## Choices

That's what Liberal Arts and Sciences is all about. Whatever future occupation a student may envision, there is a program to fit the need. The School of Liberal Arts and Sciences (SLAS) allows students an opportunity to explore different arenas before settling on a major. And the graduates prove just how diverse the liberal arts program is. Bankers, journalists, lawyers and authors have all received degrees in liberal arts and sciences.

Liberal arts majors benefit from a flexible program that allows students to concentrate within their field of study. Students in the department of communication and journalism, for example, can opt for a news-editorial, public relations, multimedia communication, speech and interpersonal communication, or radio and television track.

And learning from a faculty as diverse as the program also broadens the students' education. The faculty, 99 percent of whom hold doctoral degrees, offer a wide range of experience and academic backgrounds. Some are published writers and professional actors, while others are politicians and journalists.

If, however, a student is certain science is the proper path to take, Liberal Arts and Sciences is still the place to be. State-of-the-art facilities and a faculty that brings national research into the classroom take science out of the textbook and into the students' hands.

The Science and Technology Center houses laboratories that are used by students in all science majors for research with faculty. The marine sciences program takes Rider students to Maine, Florida, Bermuda, and Roatan, Honduras.

The faculty are involved in some of the most exciting research in the country and receive major grants funded from nationally recognized organizations. Working in conjunction with these professors, undergraduate students will conduct their own research in such ground-breaking fields as cancer and AIDS research, plant breeding and genetics and work in superconductivity and materials research. Often, this work leads to publication in worldwide scientific journals.

Whether a student is looking for a broad-based liberal arts education, or ready to devote four years to the sciences, Liberal Arts and Sciences has what students want.

Choices

## Mission

The School of Liberal Arts and Sciences seeks to encourage students to develop a broad understanding and appreciation of the main areas of human knowledge and values. It seeks to accomplish this goal by means of a well-defined core curriculum and clearly defined and freely chosen specialized majors. Its central objectives are to provide preprofessional competence in the liberal arts and sciences and to prepare the student for a lifetime of learning that is responsive to change. The student is introduced to disciplines that provide the basis for a critical assessment of the value of change, and to the changes in knowledge and values that affect human life and institutional structures.

Students must choose a major field and register for it in the office of the dean before the completion of 60 credits. When the major is declared, each student is assigned a permanent faculty advisor in the chosen field who provides course selection advice. Before a major is declared, a student is assigned a specially designated university studies advisor who guides the student in the eventual selection of an appropriate major.

All students in the School of Liberal Arts and Sciences must meet with their advisors at least once a semester during the course selection period. Students registering in person at the registrar's office must obtain their advisor's signature on their course request forms. Students registering on-line must have their advisor "green-light" them in the on-line system.

Students in good academic standing may receive permission from the office of the dean to enroll as double majors, or as minors, provided they first seek and receive the approval of the departments concerned. Such students will be expected to meet all the requirements of each major, or of the minor, and will be assigned an advisor in each department.

## Undergraduate Departments

The following are the departments of the School of Liberal Arts and Sciences: biology, chemistry, biochemistry and physics, communication and journalism, English, fine arts, foreign languages and literatures, geological, environmental and marine sciences, history, mathematics, philosophy, political science, psychology, and sociology.

## Degrees

The bachelor of arts degree is awarded to students satisfactorily completing requirements in the following disciplines: American studies, communication, economics, English, fine arts, French, German, global and multinational studies, history, integrated sciences, journalism, mathematics, philosophy, physics, political science, psychology, Russian, sociology, and Spanish.

The bachelor of science degree is awarded to students satisfactorily completing requirements in the following disciplines: biochemistry, biology, biopsychology, chemistry, environmental science, geosciences, and marine sciences.

## Graduation Requirements

All students majoring in disciplines in the School of Liberal Arts and Sciences must complete satisfactorily 120 credits, at least 99 of which must be within SLAS. The remaining credits may be taken in courses approved by any other school or college of Rider. The last 30 credits must be taken at Rider.

For graduation, all students must have a 2.0 cumulative average. They must have at least a 2.0 cumulative average in the major, in all liberal arts and sciences courses, and, if applicable, in the second major or minor. All students must fulfill the core curriculum requirements.

## The Core Curriculum

The core curriculum is designed to provide an integrated approach to the study of the liberal arts. The curriculum examines a single theme from a variety of perspectives, emphasizing the relationships of knowledge and values and respect for different points of view.

The core applies to all students matriculated in the School of Liberal Arts and Sciences. It is expected that the core curriculum requirements will be completed by the end of the sophomore year. Courses taken as part of the core cannot be used to fulfill requirements of a major or a minor unless a department permits it.

## Core Curriculum Requirements (42-43 semester hours)

English writing*	6-9
CMP-115	Introduction to Expository Writing
CMP-120	Expository Writing
CMP-125	Research Writing
or 203	Literature and Composition

# LIBERAL ARTS AND SCIENCES

## Reading\*\*

(0-2 Supplemental Education Units)

CRC-101S Introduction  
to Academic Reading

**Foreign language\*\*\*** . . . . .6  
100, 101 French, German, Italian, Russian,  
or Spanish I, II

\* CMP-115 will be waived for students  
who attain a 530 or above on the writ-  
ing section of the SAT or a specified  
qualifying score on the English  
Department placement test.

\*\* Required only of those students who do  
not pass the reading placement test.

\*\*\*Part or all of this requirement may be  
waived upon demonstration of profi-  
ciency. To initiate a request for a waiver,  
students should see the chairperson of  
the foreign language department.

**Mathematics+** . . . . .3-4

One course from the following:

MTH-102 Elements of Finite Mathematics

MTH-105 Algebra and Trigonometry

MTH-210 Calculus I

**Science+** . . . . .6

Two courses, from the following:

BIO-100 Life Science: Human  
Emphasis

BIO-101 Life Science: Cell Biology and  
Genetics Emphasis

BIO-103 Life Science: Ecobotanical  
Emphasis

BIO-106 Life Science: Human Disease  
Emphasis

BIO-108 Life Science: The Biology of  
Human Aging

BPY-107 Life Science: Biopsychology  
Emphasis

CHE-100 Introduction to College  
Chemistry

CHE-115 Chemistry and Contemporary  
Society

GEO-100 Physical Geology

GEO-113 Environmental Geology

MAR-120 Oceanography

MAR-2xx Introduction to Field Marine  
Science

PHY-103 Science of Light and Color

PHY-104 Energy, the Environment, and  
Man

PHY-180 Astronomy

PSY-100 Introduction to Psychology

+Appropriate mathematics and science  
courses may be substituted if required  
by the major.

**Social Sciences and Communication** . . . .6

Two courses from the following:

POL-100 Introduction to  
American Politics

or 102 Understanding Politics

SOC-101 The Sociological Imagination

SOC-110 Cultural Anthropology

COM-100 Mass Media Communication

ECO-200 Principles of Macroeconomics

or 201 Principles of Microeconomics

**History** . . . . .6

HIS-150 World History to 1500

HIS-151 World History since 1500

**Humanities** . . . . .9

One course in fine arts, one course in liter-  
ature, and one course in philosophy from  
the following:

## Fine Arts

ART-104 Survey of Art History I

ART-106 Survey of Art History II

ART-120 Art and Society

MUS-105 Survey of Music History I

MUS-106 Survey of Music History II

MUS-120 Music and Society

THE-105 Theatre History to 1700

THE-106 Theatre History since 1700

THE-120 Theatre Appreciation

ART-,MUS-,The Arts in Contemporary

THE-199 Civilization

## Literature

ENG-205 Understanding Literature

ENG-210 Major American Authors

ENG-211 Major British Authors

ENG-213 Literature and Mythology

ENG-215 Satire and Comedy

ENG-217 Introduction to Shakespeare

ENG-220 Literature and Society

ENG-221 Literature and Psychology

ENG-228 Black American Literature

ENG-229 Multi-Ethnic Literature in  
America

ENG-230 Women in Literature

ENG-270 Major Poets

ENG-290 The Short Story

LAW-204 Law, Literature and Film

LIT-250, Masterworks of Western  
251 Literature I, II

LIT-310 Russian Literature  
from 988-1850

LIT-311 Russian Literature from 1850-  
1917

LIT-312 Soviet Literature

LIT-313 Contemporary Russian  
Literature

LIT-315 Tolstoy

LIT-317 Dostoevsky

Any literature course in French, German,  
or Spanish in the foreign language.

## Philosophy

Any course in the philosophy depart-  
ment or AMS-227 The Philosophy of  
Martin Luther King, Jr.

## Minors Program

The School of Liberal Arts and Sciences  
offers minors in the following areas:  
American studies, biology, chemistry, com-  
munication, dance, economics, English: lit-  
erature, writing or cinema studies, environ-  
mental geology, ethics, event planning and  
production, film and media studies, fine  
arts, French, gender studies, German, glob-  
al and multinational studies, history, jour-  
nalism, law and justice, marine sciences,  
mathematics, multicultural studies,  
oceanography, philosophy, physics, political  
communication, political science, psychol-  
ogy, Russian, Russian area studies, science  
for business, social work, sociology, and  
Spanish. In addition, the College of  
Business Administration offers a minor in  
advertising available to communication  
majors only, a minor in sales management  
available to science majors only, a general  
business minor and a computer information  
systems minor available to non-business  
majors only, and a health administration  
minor available to all Rider students.

Students interested in pursuing a minor  
need the approval of the chairperson of the  
minor program and the dean.

## Event Planning and Production Minor

Event planning and production is an inter-  
disciplinary minor that combines the study  
of communication, marketing, and man-  
agement. With the rapid growth of non-  
profit, educational, corporate, recreational,  
and entertainment events, this minor pro-  
vides both theoretical and practical train-  
ing in event planning and management.

Students who minor in event planning  
and production must complete nine cours-  
es for 27 credits. The curriculum empha-  
sizes public relations and effective writing,  
various strategic approaches to business  
management, and the corporate-consumer  
relationship. The minor has a strong  
applied component and approved intern-  
ship experiences are recommended for all  
students.

# LIBERAL ARTS AND SCIENCES

## Film and Media Studies Minor

Film and media studies is a multidisciplinary minor exploring connected perspectives on film and other media through courses that focus on the theory, history, and aesthetics of film; the reception and impact of film and related media within the culture; and technical aspects of production. Recognizing the ever-growing integration of the film, television, and digital media industries and technologies, film and media studies extends inquiry to all aspects of the moving image in a global society. In its aim to improve film and visual literacy and to develop skills in critical analysis, the minor draws upon courses from a wide spectrum of academic departments. The film and media studies minor thus complements many major fields of study, while offering a natural gateway into a new realm of interdisciplinary learning.

Students who minor in film and media studies will take courses from three components of film and media studies: theory, history and aesthetics; film, media, and culture; and technical aspects. In addition, students will complete at least one of two required courses: ENG-284 Language of Film Analysis and SOC-252 Media, Culture and Society. This minor is open to all students at Rider University, including Westminster Choir College students.

## Gender Studies Minor

The Gender Studies Program offers an interdisciplinary minor exploring gender, masculinity, and femininity; recognizing diversity in sexuality, race, class, and culture; and acknowledging the multiplicity of human relationships. Within the University, gender studies may be best understood as an evolution from the Women's Studies Program, which offered its first courses at Rider in 1979. In 2001, the Women's Studies faculty decided to change the name to Gender Studies, highlighting the program's more comprehensive attention to men, women, and various aspects of gender.

Students who minor in Gender Studies take six courses for 18 credits. In Gender Studies courses, students discuss ideas about gender, as well as images of femininity and masculinity, which both reflect and affect the way we think and act. Students analyze the cultural construction of sexuality, they examine the relationship between biological differences and social inequality, and they compare gender systems from global and historical perspectives. Through internships, students may engage in practical strategies for transforming coercive and unequal gender systems and for enhancing our common humanity.

## Law and Justice Minor

Law and justice is an interdisciplinary minor that includes courses from a wide spectrum of academic departments, including communication, sociology, English, history, business policy, political science, psychology, and philosophy, as well as legal studies courses developed specifically for this program. It provides students with knowledge and understanding of laws, legal institutions and processes and their relationships to social, moral, political, and economic issues. Students will benefit from learning to understand law and law enforcement from diverse perspectives. The law and justice minor will provide students, regardless of specific career goals, with tools for understanding how the law works and its social consequences; it will make students better citizens by demystifying law, legal ideas and concepts and by enabling them critically to evaluate laws, legal institutions and policies. The minor enables students to focus their course of study around their specific career goals and can be combined with any major program.

## Pre-Law and Legal Careers

Students interested in legal careers will benefit from the knowledge and skills they can obtain by an in-depth study of law from various disciplinary perspectives available with the legal studies concentration within the law and justice program. Unlike traditional undergraduate pre-law programs that are typically singular in perspective or orientation, the minor offers diverse approaches. As recommended for pre-law study by the Association of American Law Schools, the law and justice minor provides a broad-based curriculum that is designed to develop students' abilities to formulate ideas and effectively communicate them and to understand and critically assess social institutions, behaviors, and values. The law and justice minor has the additional advantage of providing an interdisciplinary legal studies approach that will enhance students' understanding of law and legal issues, institutions and practices. The law and justice minor provides students with opportunities to explore and test their interest and capacities for law-related careers under the direction and supervision of faculty, by working directly with legal professionals in a law-related institution, by doing field work research in a legal setting, by engaging in simulated courtroom trials, by practicing alternative forms of dispute resolution, by examining worksettings of legal practitioners, or by conducting research on some specific legal issue or aspect of legal work.

## Pre-Law Advising

Experienced faculty members of the law and justice program committee advise students expressing an interest in pursuing a career in law or law-related fields. Faculty advisors assist students in all phases of pre-law preparation from course selection to law school applications. The law and justice program also sponsors workshops on various aspects of the application process.

## Law and Justice Center

To assist students in locating information on law schools, Rider maintains a Law and Justice Center that houses law school catalogs, application forms, data about law schools, and financial aid material for professional school studies.

## Law Society

The Law Society is a student-run organization; faculty provide advice and assistance. The society sponsors lectures on law and the legal profession, arranges field trips to courts, government agencies, and law schools and has participated in state-wide mock trial competitions.

## Criminal Justice and Law Enforcement

A criminal justice concentration is available within the minor. It is specifically designed for students interested in criminal law and the criminal justice system. Students will be exposed to varied disciplinary perspectives on crime, criminal law, and the criminal justice system. Those interested in such fields as law enforcement, probation, parole, court administration, and jury consultation/evaluation will benefit from working with faculty in various fields and from the combined theoretical and practical dimensions of the program. The concentration will help future criminal justice practitioners understand the nature of crime and delinquency, the relationships of crime, criminal law and criminal sanction to social, political and economic issues, and the legal as well as moral issues involved in crime control in a democratic society. An interdisciplinary approach will help to broaden and deepen students' understanding of the criminal justice process.

Students enrolled in the concentration will be given valuable opportunities to see how the criminal justice system operates through their field work experiences in criminal justice agencies and other special programs and projects involving criminal justice practitioners. Faculty members of the law and justice program committee experienced in the field of criminal justice teach and advise students in course and career planning.



# LIBERAL ARTS AND SCIENCES

## Multicultural Studies Minor

The multicultural studies minor is a flexible interdisciplinary program that focuses on the United States. It provides students with knowledge about the many ways different cultures interact to shape individual identity and to structure U.S. society. Because organizations today need employees who can perform effectively in a diverse workplace, the minor also enhances Rider graduates' employment opportunities.

Each student chooses a theme or thread within multicultural studies that suits his or her special interests. One might explore a particular cultural tradition – for example, African American, Latino/a, or Jewish. Another could focus on a specific realm of multicultural interaction – for example, education, media, or literature.

The minor also provides students with career-relevant knowledge and experience. For example, the human resource management major can learn more about diversity in the workplace. The education student will be better prepared to teach today's multicultural population of children. The psychology major will acquire a deeper understanding of potential clients.

In these various ways, the multicultural studies minor plays an important role in preparing Rider students, whatever their ethnic heritage, for an increasingly multicultural world.

Students who minor in multicultural studies take seven courses for 21 credits. These courses draw on a wide range of academic programs, including American studies, communication, English, foreign languages, history, management, philosophy, political science, and sociology; courses are also developed specifically for the program. In consultation with the director, each student designs a sequence of courses to address his or her chosen theme.

## Political Communication Minor

Political communication is an interdisciplinary minor that is designed to understand the manner in which new technologies and strategies of communication change the emerging political order, and the manner in which the emerging political order structures the dissemination of information among citizens of the United States and other nations.

The minor in political communication provides preparation for those students planning further study in graduate or law school, careers in governments, international affairs, political campaigns, political journalism, or private business concerned with government activity. Moreover, stu-

dents should further their abilities to construct arguments based upon ethical and relevant data, think clearly and critically, and develop the facility to express themselves persuasively.

## Russian Area Studies Minor

The Russian area studies minor is an interdisciplinary program designed to give students a comprehensive understanding of Russia, in historical perspectives and in contemporary settings. It draws upon the humanities, the social sciences, and, when possible, suitable offerings in the School of Education and the College of Business Administration. By combining this minor with a traditional major, the student has the advantage of both the knowledge of a single discipline and a unified view of Russia.

Students with a cumulative average of 2.0 who have already declared a major within the College of Liberal Arts, Education, and Sciences, or the College of Business Administration may be admitted to the program.

## Social Work Minor

The social work minor provides skills and knowledge for helping people and bringing about change to improve social welfare. In the core courses of the minor, students learn about community agencies and programs, and engage in field work supervised by a social worker. Additional courses in the minor from sociology, psychology, and related fields offer a base of knowledge about human development, social institutions, and social change.

## Departmental Honors Programs

Rider takes special interest in its most talented and serious students. It encourages them to seek extra opportunities and challenges through honors programs in 19 academic areas, including American studies, biochemistry, biology, biopsychology, chemistry, communication and journalism, English, environmental science, fine arts, foreign languages and literatures, geosciences, history, marine sciences, mathematics, philosophy, physics, political science, psychology, and sociology. Each program has its own requirements, but all aim at offering eligible students an intense course of study, culminating in a supervised senior research project or specially designed honors courses. For more details, see the listing under the relevant program.

## Bachelor of Arts, Bachelor of Science/Master of Business Administration (B.A./B.S./M.B.A.) Program

The five-year integrated B.A./B.S./M.B.A. program is designed for students who wish to combine undergraduate study leading to a Bachelor of Arts or Bachelor of Science degree with graduate study leading to the degree of Master of Business Administration. For details, see the Core Curriculum and Study Opportunities chapter, page 5.

## Independent Research and Study

Students who wish to pursue special topics that they have become interested in as a result of course work may take up to 12 semester hours of independent research and study toward graduation. To be eligible for independent research and study, however, a student must be a junior or a senior in good academic standing. Only one project can be scheduled in a semester, and for no more than four semester hours. Each independent research and study proposal must be approved by a faculty sponsor, the department chairperson, and the dean of liberal arts and sciences by no later than the third week of the semester in which the project is to be conducted.

## Internships

Internships are unique opportunities for connecting the skills and theories learned in the classroom to experiences in the workplace. They also provide students a chance to explore future career goals while earning academic credit. Students who wish to pursue an internship may take up to 6-8 semester hours of internship toward graduation. To be eligible for an internship, a student must be a junior or senior in good academic standing. Only one internship can be scheduled during a semester. The number of credits earned is based on departmental policy and number of hours completed at the internship site, usually 1-4 credits. A faculty sponsor, the department internship coordinator and the academic coordinator of liberal arts and sciences must approve the internship by no later than the third week of the semester in which the internship is to be conducted.

# LIBERAL ARTS AND SCIENCES

## Preparation for the Study of Medicine and Dentistry

The School of Liberal Arts and Sciences offers a premedical studies program that focuses on preparation for admission to medical, dental, or other health-related professional schools. A background in the liberal arts also is provided, since many professional schools stress a broad general education. Courses that will improve the candidate's performance on the MCAT and DAT are taken early in this program.

A premedical committee and pre-professional advisors meet on a regular basis with students to assist in the selection of science and nonscience courses, to provide information on the MCAT and DAT, and to advise students regarding procedures for admission to professional schools. Since admission requirements vary slightly from school to school, students are urged to consult catalogs of the institutions where they desire to continue their education to make certain that they are completing the most appropriate undergraduate courses.

Students may major in any field of study and need not formally major in one of the sciences as long as they take the minimum number of required science courses. As a matter of practice, however, most premedical and premedical students major in biology, biochemistry, or chemistry. Students who major in nonscience fields and elect the minimum number of required science courses must excel to ensure adequacy of preparation and favorable consideration of their applications.

## Pre-Allied Health Program

The School of Liberal Arts and Sciences offers a pre-allied health program affiliated with the Thomas Jefferson College of Health Professions. This program is designed for students pursuing careers in physical therapy, occupational therapy, nursing and laboratory sciences. The program has two options: (1) obtain prerequisites for transfer to Thomas Jefferson in the first two or three years, or (2) complete a Bachelor of Science degree with a major in biology that includes applicable prerequisites for Thomas Jefferson.

## Pre-Law Studies

See Law and Justice minor, page 55.

## Programs of Studies

### AMERICAN STUDIES Requirements for the Major (36 semester hours)

#### American Studies

AMS-200	Introduction to American Studies	3
AMS-400, 401	Seminar in American Studies I, II	6
	One American studies elective	3

#### Humanities Distribution

Two American literature electives	6
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Two American studies courses from the following:	6
--	---

AMS-210	Growing Up American	
AMS-213	The American Myth in Literature, Landscape, and Music	
AMS-214	Special Topics in American Studies	
AMS-215	Alfred Hitchcock in America	
AMS-225	American Folklore	
AMS-226	The New South in Literature, Music, and Film	
AMS-228	Studies in American Jewish Culture	
AMS-229	American Popular Culture	
AMS-305	Religion in America	
AMS-306	Poetry and Poetics in American Culture	
AMS-310	The American Identity in the Arts	
AMS-312	American Photography or an appropriate special topics in American studies course	
	Other humanities courses with a preponderance of American material	

#### Social Science Distribution

HIS-208, 209	U.S. I: American History from European Settlement through Reconstruction	
	U.S. II: American History from Reconstruction to the Present	6

Two American studies courses from the following:	6
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AMS-210	Growing Up American	
AMS-211	Sports in American Life	
AMS-212	American Ethnic Groups: Irish, Jewish, and Italian Americans	
AMS-225	American Folklore	
AMS-227	The Philosophy of Martin Luther King, Jr.	
AMS-228	Studies in American Jewish Culture	

AMS-229	American Popular Culture	
AMS-304	Technology and Science in America	
AMS-311	Radicalism in 20th-Century America	
AMS-338	The Social Impact of Rock and Roll or an appropriate special topics in American studies course	
	Other social science courses with a preponderance of American material	

### Requirements for the Minor (18 semester hours)

AMS-200	Introduction to American Studies	3
AMS-400, 401	Seminar in American Studies I, II	6

Three approved courses from one of the following three areas: 9

#### American Studies

AMS-210 Growing Up American, 211-Sports in American Life, 212-American Ethnic Groups, 213-The American Myth in Literature, Landscape, and Music, 214-Special Topics in American Studies, 225-American Folklore, 226-The New South in Literature, Film and Music, 227-The Philosophy of Martin Luther King, Jr., 228-Studies in American Jewish Culture, 229-American Popular Culture, 250-America and the Future, 304-Technology and Science in America, 305-Religion in America, 310-The American Identity in the Arts, 311-Radicalism in 20th-Century America, 312-American Photography, 338-The Social Impact of Rock and Roll.

#### Humanities

ART-214 American Art; AMS-215-Alfred Hitchcock in America, AMS-306 Poetry and Poetics in American Culture; PHL-120 American Philosophy; THE-306 American Theatre History. Others with a preponderance of American material.

#### Social Sciences

HIS-300 Economic History of the United States, or other American history courses, American political science courses, American sociology courses, American economics courses. Others with a preponderance of American material.

### Honors Program In American Studies

A limited number of superior students enrolled in the American studies major or minor programs may participate in a program leading to graduation with honors in

# LIBERAL ARTS AND SCIENCES

American studies or with high honors in American studies. Interested students should apply to the program committee on honors before March 1 of the junior year; admission is based on academic average and submission of an acceptable proposal for an individual study project. During the two regular semesters of the senior year, the student enrolls in Independent Research and Study. Honors in American studies are awarded on the basis of completing the senior thesis and a defense of it with distinction.

## BIOCHEMISTRY Requirements for the Major (75-76 semester hours)

### Biochemistry

BCH-325	Biochemistry I . . . . .	3
BCH-326	Methods in Biochemistry and Enzymology I Lab . . . .	1
BCH-330	Advanced Cellular and Molecular Biology . . . .	3
BCH-331	Advanced Cellular and Molecular Biology Lab . .	1
BCH-490	Independent Research and Study . . . . .	3

### Biology

BIO-115	Principles of Biology: Evolution, Diversity, and Biology of Animals . . . . .	4
BIO-116	Principles of Biology: Evolution, Diversity, and Biology of Plants . . . . .	4
BIO-117	Principles of Biology: Evolution, Diversity, and Biology of Cells . . . . .	4
BIO-265	Genetics . . . . .	4

One course	from the following . . . . .	3-4
BIO-300	Developmental Biology	
BIO-305	Vertebrate Physiology	
BPY-310	Neurobiology	
BIO-315	Medical Microbiology	
BIO-335	Modern Plant Biology	
BIO-370	Immunology	
BCH-425	Medicinal Chemistry	

### Chemistry

CHE-120	Principles of Chemistry . . .	3
CHE-121	Principles of Chemistry Lab .	1
CHE-122	Introduction to Chemical Systems . . . . .	3
CHE-123	Quantitative Methods Lab . .	1
CHE-205	Experimental Chemistry I . .	2
CHE-211	Organic Chemistry I . . . . .	3
CHE-213	Organic Chemistry I Lab . . .	1
CHE-214	Organic Chemistry II . . . . .	3
CHE-216	Organic Chemistry II Lab . .	1
CHE-311	Analytical Chemistry . . . . .	3
CHE-312	Analytical Chemistry Lab . .	1

One course	from the following: . . . . .	3
CHE-305	Chemical Thermodynamics	
CHE-306	Quantum Chemistry	

### Mathematics

MTH-105	Algebra and Trigonometry .	4
MTH-210	Calculus I, II . . . . .	8
211		

### Physics

PHY-200	General Physics I . . . . .	4
PHY-201	General Physics II . . . . .	4

In the senior year students must take the Biology or Chemistry Advanced Test of the Graduate Record Examination, or the Dental or Medical Aptitude Test with scores submitted to the respective department chairperson.

Students may elect to take up to eight additional credit hours of Independent Research and Study.

### Honors Program In Biochemistry

Students who seek departmental honors should indicate their intention in writing to the chairperson of the department of chemistry, biochemistry and physics before the end of their first semester in their senior year. For consideration of departmental honors, the student must have a 3.25 cumulative average and a 3.25 average in courses taken within the science division, including mathematics. The student must also complete an acceptable honors thesis based upon independent research work done for credit within either the department of biology or the department of chemistry, biochemistry and physics. Before the end of classes in the student's final semester, the thesis must be turned in to the chairperson of the department of chemistry, biochemistry and physics in final form for examination by the biochemistry committee. Departmental honors are conferred by the chairperson of the department of chemistry, biochemistry and physics upon recommendation of the biochemistry committee.

### BIOLOGY

#### Requirements for the Major (62-63 semester hours)

**Note:** If a biology major receives a grade lower than C in any 100-level biology course, they must repeat it before enrolling in any course for which it is a prerequisite.

### Biology

BIO-115	Principles of Biology: Evolution, Diversity, and Biology of Animals . . . . .	4
BIO-116	Principles of Biology: Evolution, Diversity, and Biology of Plants . . . . .	4
BIO-117	Principles of Biology: Evolution, Diversity, and Biology of Cells . . . . .	4

Four courses, one of which must be from each group listed below: . . . . .16

#### Group I

BIO-215	Environmental Microbiology	
BIO-272	Introduction to Marine Biology	
and 272L	Introduction to Marine Biology Lab	
BIO-335	Modern Plant Biology	
BIO-350	General Ecology	
BIO-372	Behavior of Marine Organisms: An Evolutionary Approach	
MAR-325	Marine Vertebrates: Fish to Mammals	

#### Group II

BIO-265	Genetics	
BIO-300	Developmental Biology	
BIO-305	Vertebrate Physiology	
BPY-310	Neurobiology	
BIO-315	Medical Microbiology	
BPY-360	Neurochemistry	
BIO-370	Immunology	
BPY-375	Neuroethology: The Neural Circuits of Behavior	

One course from the following: . . . . .3\*

BIO-400	Seminar in Cellular and Molecular Biology	
BPY-415	Seminar in Biopsychology	
BIO-416	Bioinformatics	
BIO-420	Seminar in Organismal Biology	
BIO-450	Seminar in Ecology and Evolution	

\*Prerequisites for the seminars: BIO-115, BIO-116 and BIO-117 with a grade of C or better, junior or senior standing and permission of instructor.



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## Chemistry

CHE-120	Principles of Chemistry . . . .3
CHE-121	Principles of Chemistry Lab 1
CHE-122	Introduction to Chemical Systems . . . . .3
CHE-123	Quantitative Methods Lab . .1
CHE-211	Organic Chemistry I . . . . .3
CHE-213	Organic Chemistry I Lab . .1
CHE-214	Organic Chemistry II . . . . .3
CHE-216	Organic Chemistry II Lab . .1
BCH-325, 326, 330, 331	strongly recommended.

## Mathematics

Two courses from the following: . . . .7-8	
MTH-120	Introduction to Applied Statistics*
MTH-105	Algebra and Trigonometry
MTH-210, Calculus I, II	211

\*ENV-200 Statistical and Computer Applications in the Natural Sciences may be substituted for MTH-120.

## Physics

PHY-100	Principles of Physics I . . . . .3
PHY-100L	Principles of Physics I Lab . .1
PHY-101	Principles of Physics II . . . . .3
PHY-101L	Principles of Physics II Lab .1
A year of calculus is strongly recommended.	

## Requirements for the Minor\*

(20 semester hours)

BIO-115	Principles of Biology: Evolution, Diversity, and Biology of Animals . . . . .4
BIO-116	Principles of Biology: Evolution, Diversity, and Biology of Plants . . . . .4
BIO-117	Principles of Biology: Evolution, Diversity, and Biology of Cells . . . . .4

One course from each group listed  
below: . . . . .8

## Group I

BIO-215	Environmental Microbiology
BIO-272	Introduction to Marine Biology and 272L
BIO-335	Modern Plant Biology
BIO-350	General Ecology
BIO-372	Behavior of Marine Organisms: An Evolutionary Approach
MAR-325	Marine Vertebrates: Fish to Mammals

## Group II

BIO-265	Genetics
BIO-300	Developmental Biology
BIO-305	Vertebrate Physiology
BPY-310	Neurobiology
BIO-315	Medical Microbiology
BPY-360	Neurochemistry
BIO-370	Immunology
BPY-375	Neuroethology: The Neural Circuits of Behavior

\*Not available to biochemistry or science education majors.

## Honors Program In Biology

The objective of the honors program in biology is to introduce gifted undergraduate majors to the methods of basic research in the biological sciences. For consideration a student must have a 3.25 average. At graduation a student who has a 3.25 cumulative average, a 3.5 average in biology courses, and who has completed an acceptable honors thesis will be eligible for honors in biology. In the senior year, participating students must complete an independent research project and present a written honors thesis. Following completion of these requirements, the biology department will recommend that the candidate be graduated with honors in biology.

## SCIENCE FOR BUSINESS Requirements for the Minor

(20 semester hours)

**Note:** A grade of C or better in each course is required for successful completion of the minor.

## Introductory Biology Course

(integrated course with business faculty participating)

One course from the following: . . . . .3	
BIO-100	Life Science: Human Emphasis
BIO-101	Life Science: Cell Biology and Genetics Emphasis
BIO-106	Life Science: Human Disease Emphasis
BIO-108	Life Science: The Biology of Human Aging
BPY-107	Life Science: Biopsychology Emphasis

## Introductory Chemistry Course

CHE-115	Chemistry and Contemporary Society . . . . .3
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## Science as Business Course

BIO-206	The Pharmaceutical Industry . . . . .3
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## Biology Electives

Any two courses (excluding BIO-250) with the following recommended . . . . .8

BIO-115	Principles of Biology: Evolution, Diversity, and Biology of Animals
BIO-117	Principles of Biology: Evolution, Diversity, and Biology of Cells
BIO-221	Human Anatomy and Physiology I
BIO-222	Human Anatomy and Physiology II
BIO-265	Genetics
BPY-275	Behavioral Neuroscience

## Health Care Business Course

HTH-205	Introduction to the Health Care Sector
or	
BUS-315/	Health Care Law, Ethics and HTH-315 Policy
or	
ECO-336/	Economics of the HTH-336 Health Care Sector . . . . .3

**Note:** Courses with an HTH prefix will count as liberal arts courses for business students. The HTH-336 course is cross-listed with ECO-336. If the business student registers for the HTH designation, the course will count as a liberal arts course, and if the business student registers for ECO designation, the course will count as a business course.

## BIOPSYCHOLOGY Requirements for the Major

(51-54 semester hours)

**Note:** In order to advance in the program, biopsychology majors must have a C or better in BIO-117.

## Biology

BIO-115	Principles of Biology: Evolution, Diversity, and Biology of Animals . . . . .4
BIO-117	Principles of Biology: Evolution, Diversity, and Biology of Cells . . . . .4

## Biopsychology

BPY-275	Behavioral Neuroscience . . . .4
BPY-415	Seminar in Biopsychology . . .3
Two courses from the following: . . . . .8	
BPY-310	Neurobiology
BPY-360	Neurochemistry
BPY-375	Neuroethology



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## Psychology

PSY-100	Introduction to Psychology	
or		
BPY-107	Life Science: Biopsychology Emphasis . . . . .	3
PSY-201	Statistics and Research Design . . . . .	3
or		
ENV-200	Statistical and Computer Applications in the Natural Sciences . . . . .	4

## Mathematics

MTH-105	Algebra and Trigonometry	4
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## Chemistry

CHE-120	Principles of Chemistry . . .	3
CHE-121	Principles of Chemistry Lab	1
CHE-122	Introduction to Chemical Systems . . . . .	3
CHE-123	Quantitative Methods Lab . .	1

## Electives

Two courses from the following: . . . .6-8  
Any BIO-200 or -300-level course with a lab  
Any PSY-200 or -300-level course

One course from the following: . . . . .4  
Any BCH-300-level course with a lab  
Any additional BPY-300-level course with a lab  
Any PSY-300-level course with a lab

## Honors Program in Biopsychology

The objective of the honors program in biopsychology is to introduce gifted undergraduate majors to the methods of basic research in biopsychology. For consideration, a student must have a 3.25 average. At graduation, a student who has a 3.25 cumulative average, a 3.5 average in biology and biopsychology courses, and who has completed an acceptable honors thesis will be eligible for honors in biopsychology. In the senior year, participating students must complete an independent research project and present a written honors thesis. Following completion of these requirements, the biopsychology committee will recommend that the candidate be graduated with honors in biopsychology.

## CHEMISTRY

### Requirements for the Major

(66 semester hours)

## Chemistry

CHE-120	Principles of Chemistry . . .	3
CHE-121	Principles of Chemistry Lab	1
CHE-122	Introduction to Chemical Systems . . . . .	3
CHE-123	Quantitative Methods Lab . .	1
CHE-205	Experimental Chemistry I . .	2
CHE-211	Organic Chemistry I . . . . .	3
CHE-213	Organic Chemistry I Lab . .	1
CHE-214	Organic Chemistry II . . . . .	3
CHE-216	Organic Chemistry II Lab . .	1
CHE-301,	Experimental Chemistry	
302, 304	II, III, IV . . . . .	6
CHE-305	Chemical Thermodynamics	3
CHE-306	Quantum Chemistry . . . . .	3
CHE-311	Analytical Chemistry . . . . .	3
CHE-312	Analytical Chemistry Lab . .	1
CHE-315	Inorganic Chemistry . . . . .	3
CHE-400	Chemical Bonding . . . . .	3

## Biochemistry

BCH-325	Biochemistry I . . . . .	3
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## Mathematics

MTH-210,	Calculus I, II, III . . . . .	12
211, 212		

## Physics

PHY-200	General Physics I . . . . .	4
PHY-201	General Physics II . . . . .	4

## Advanced elective

One course from the following: . . . . .	3
CHE-300 Introduction to Physical Organic Chemistry	
CHE-320 Polymer Chemistry	
CHE-415 Special Topics in Chemistry	

At least two years of German or Russian are strongly recommended.

Chemistry majors may elect up to 12 credit hours of Independent Research and Study.

In the senior year, chemistry majors are required to take the Chemistry Advanced Test of the Graduate Record Examination. Scores must be submitted to the department chairperson.

## Requirements for the Minor

(24 semester hours)

CHE-120	Principles of Chemistry . . .	3
CHE-121	Principles of Chemistry Lab . . . . .	1
CHE-122	Introduction to Chemical Systems . . . . .	3
CHE-123	Quantitative Methods Lab . .	1
CHE-211	Organic Chemistry I . . . . .	3
CHE-213	Organic Chemistry I Lab . .	1

Twelve credits in electives (including two labs) from the following:  
Chemistry or Biochemistry courses at the 200 level or above, six credits of which must be at the 300 level or above . . . . .12

## Honors Program In Chemistry

Students who seek departmental honors should indicate their intention in writing to the chairperson of the department of chemistry, biochemistry and physics before the end of their first semester in their senior year. For consideration of departmental honors, the student must have a 3.25 cumulative average and a 3.25 average in courses taken with the department of chemistry, biochemistry and physics. The students must also complete an acceptable honor thesis based upon independent research work done for credit. Before the end of classes in the student's final semester, the thesis must be turned in to the department chairperson in final form for examination by the entire department. Before the end of final exams, the student must orally defend the thesis before the members of the department of chemistry, biochemistry and physics. Departmental honors are conferred by the chairperson of the department upon recommendation of the entire department.

## COMMUNICATION AND JOURNALISM

Note: For fall 2006, the department of communication and journalism has introduced a number of significant curriculum changes. All students in the department should meet with their advisors to ensure proper fulfillment of all requirements.

## Requirements for the Departmental Core

(21 semester hours)

COM-103	Introduction to Communication Studies: Theory and Practice . . . . .	3
COM-104	Speech Communication . . .	3
COM-105	Mass Media Communication . . . . .	3
COM-107	Persuasive Writing for the Media . . . . .	3
COM-301	Communication Law . . . . .	3
COM-302	Communication Ethics . . .	3
COM-400	Senior Seminar in Communication . . . . .	3

In addition to the departmental core, which is required of both communication and journalism majors, each student selects one of five tracks. A student pursuing a degree in

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communication chooses either the multimedia communication, radio and television, or speech and interpersonal communication track. A student pursuing a degree in journalism chooses either the news-editorial journalism or public relations track. Majors may not take a second major or a second track within the department.

Note: If a student receives a grade lower than C in a course required in a major or minor in the department of communication, the student must repeat the course. The student must also repeat the course before enrolling in any course for which it is a prerequisite.

## Requirements for the Communication Major

(21 semester hours departmental core - see above)

### Multimedia Communication Track

(24 semester hours)

COM-212	Publication Design	3
COM-261	Multimedia Production I-Interactive Design	3
COM-360	Advanced Publication Design & Presentation	3
COM-364	Multimedia Production II-Web Design	3
COM-460	Multimedia Production III-Advanced Interactive Design	3

One course from the following:	.....3
COM-102	Introduction to News Writing
COM-106	Writing for the Communication Professions
COM-233	Writing for Broadcast

Two courses from the following: 6

COM-131	Fundamentals of Video Production	
COM-201	Communication Theory	
COM-204	Advanced Speech	
COM-205	Theories of Persuasion	
COM-253	Organizational Communication	
COM-262	Graphic Imaging for Multimedia	
COM-331	Television Production	
COM-334	Audio Production	
COM-361	Photography	
COM-365	Graphic Animation	
CIS-340	E-commerce	
CIS-350	Internet Application Development	

### Radio and Television Track

(24 semester hours)

COM-230	Radio and Television Communication	3
COM-331	Television Production	3
COM-333	Broadcast Programming	3
COM-334	Audio Production	3
COM-335	Television Field Production	3

One course from the following:	3
COM-102	Introduction to News Writing
COM-106	Writing for the Communication Professions
COM-233	Writing for Broadcast

One course from the following:	3
COM-431 Advanced Television Production	
COM-434 Advanced Radio Production	

One course from the following:	.....3
COM-204	Advanced Speech
COM-205	Theories of Persuasion
COM-240	Public Relations
COM-253	Organizational Communication
COM-261	Multimedia Production I
COM-262	Graphic Imaging for Multimedia
COM-291	Documentary Film
COM-361	Photography
COM-365	Graphic Animation

### Speech and Interpersonal Communication Track

(24 semester hours)

Six courses from the following: . . . . .18

COM-201	Communication Theory
COM-204	Advanced Speech
COM-220	Voice and Articulation
COM-222	Group Communication
COM-240	Public Relations
COM-251	Interpersonal Communication
COM-252	Intercultural Communication
COM-253	Organizational Communication
COM-322	Argumentation and Debate
COM-353	Nonverbal Communication
COM-452	Contemporary Issues in Interpersonal Communication

One course from the following:	3
COM-102	Introduction to News Writing
COM-106	Writing for the Communication Professions
COM-233	Writing for Broadcast

One course from the following:	3
COM-205 Theories of Persuasion	
COM-323 Oral Interpretation of Literature	
COM-391 Communication Criticism	
COM-393 International Communication	

## Requirements for the Journalism Major

(21 semester hours departmental core - see above)

### News-Editorial Journalism Track

(21 semester hours)

COM-102	Introduction to News Writing	3
COM-204	Advanced Speech	3
COM-210	News Reporting and Writing	3
COM-211	Copy Editing	3
COM-212	Publication Design	3
COM-215	Computer-Assisted Reporting	3
COM-316	Feature Writing	3
COM-415	Investigative Reporting	3

### Recommended courses:

COM-131	Fundamentals of Video Production	
COM-201	Communication Theory	
COM-205	Theories of Persuasion	
COM-233	Writing for Broadcast	
COM-240	Public Relations	
COM-253	Organizational Communication	
COM-261	Multimedia Production I	
COM-334	Audio Production	
COM-360	Advanced Publication Design	
COM-361	Photography	
COM-393	International Communication	

### Public Relations Track

(24 semester hours)

COM-102	Introduction to News Writing	3
COM-204	Advanced Speech	3
COM-212	Publication Design	3
COM-240	Public Relations	3
COM-316	Feature Writing	3
COM-341	Publicity Methods	3
COM-440	Cases and Campaigns	3

One course from the following:	.....3
COM-131	Fundamentals of Video Production
COM-201	Communication Theory
COM-205	Theories of Persuasion
COM-210	News Reporting and Writing
COM-211	Copy Editing
COM-215	Computer-Assisted Reporting
COM-233	Writing for Broadcast
COM-253	Organizational Communication

COM-261	Multimedia Production I-Interactive Design	
COM-360	Advanced Publication Design	
COM-393	International Communication	
MKT-200	Marketing Research	
ADV-300	Advertising Principles	

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## Requirements for the Communication Minor

### Multimedia Communication Track

(21 semester hours)

COM-212	Publication Design	.....3
COM-261	Multimedia Production I-Interactive Design	.....3
COM-360	Advanced Publication Design & Presentation	.....3
COM-364	Multimedia Production II - Web Design	.....3
COM-460	Multimedia Production III - Advanced Interactive Design	.....3

Two courses from the following: .....6

COM-131	Fundamentals of Video Production	
COM-201	Communication Theory	
COM-204	Advanced Speech	
COM-205	Theories of Persuasion	
COM-253	Organizational Communication	
COM-262	Graphic Imaging for Multimedia	
COM-331	Television Production	
COM-334	Audio Production	
COM-361	Photography	
COM-365	Graphic Animation	
CIS-185	Introduction to Computing	
CIS-340	Ecommerce	

### Radio and Television Track

(21 semester hours)

COM-102	Introduction to News Writing	.....3
COM-104	Speech Communication	...3
COM-230	Radio and Television Communication	.....3
COM-331	Television Production	...3
COM-333	Broadcast Programming	...3
COM-334	Audio Production	...3
COM-431	Advanced Television Research and Production	.....3

### Speech and Interpersonal Communication Track

(21 semester hours)

Seven courses from the following: ...21

COM-104	Speech Communication	
COM-201	Communication Theory	
COM-204	Advanced Speech	
COM-220	Voice and Articulation	
COM-222	Group Communication	
COM-240	Public Relations	
COM-251	Interpersonal Communication	
COM-252	Intercultural Communication	
COM-322	Argumentation and Debate	
COM-323	Oral Interpretation of Literature	

COM-353	Nonverbal Communication	
COM-452	Contemporary Issues in Interpersonal Communication	

### Requirements for the Journalism Minor

#### News-Editorial Journalism Track

(21 semester hours)

COM-102	Introduction to News Writing	.....3
COM-107	Persuasive Writing for the Media	.....3
COM-210	News Reporting and Writing	.....3
COM-211	Copy Editing	.....3
COM-212	Publication Design	.....3
COM-316	Feature Writing	.....3
COM-410	Computer Assisted Reporting	.....3

#### Public Relations Track

(21 semester hours)

COM-102	Introduction to News Writing	.....3
COM-104	Speech Communication	...3
COM-107	Persuasive Writing for the Media	.....3
COM-212	Publication Design	.....3
COM-240	Public Relations	.....3
COM-316	Feature Writing	.....3
COM-341	Publicity Methods in Organizations	.....3

### Requirements for the Event Planning and Production Minor

(27 semester hours)

COM-107	Persuasive Writing for the Media	.....3
COM-240	Public Relations	.....3
COM-280	Issues in Event Planning	...3
COM-341	Publicity Methods in Organizations	.....3
MGT-201	Fundamentals of Management and Organizational Behavior	.....3
MGT-310	Introduction to Human Resource Management	...3
MKT-200	Marketing Principles	...3
MKT-320	Consumer Behavior	...3
MKT-360	Services Marketing	...3

#### Additional recommended courses:

COM-105	Mass Media Communication	
COM-440	Cases and Campaigns in Public Relations	
ECO-200	Principles of Macroeconomics	
PSY-100	Introduction to Psychology	

## Requirements for the Advertising Minor

(30 semester hours)

The College of Business Administration offers a minor in advertising available to communication majors only.

COM-105	Mass Media Communication	
COM-212	Publication Design	
COM-240	Public Relations	
COM-302	Communication Ethics	
MKT-200	Marketing Principles	
MKT-320	Consumer Behavior	
MKT-335	Advertising Principles	
MKT-410	Advertising Copy and Layout	
MKT-420	Media Planning and Strategy	
MKT-435	Advertising Campaigns	

### Honors Program in Communication

The department faculty will identify superior second semester sophomores and/or first semester juniors to participate in an individualized course of study leading to graduation with honors. Such students must have attained a cumulative average of 3.5 or higher and be recommended by a faculty member. In consultation with a faculty member, the student will form a thesis/project committee of two additional communication faculty members. The honors thesis/project can extend over a maximum of three semesters (3 credits per semester): one semester of supervised readings, one of proposal development and writing, one semester of carrying out the project. (This may be collapsed into two semesters of 3 credits each.)

Honors students enroll in COM-490 Independent Research and Study, during each semester of the project. Honors students may be waived from COM-400 Senior Seminar. All honors theses/projects must be presented in a public forum to be arranged by the faculty. Honors students must maintain a cumulative average of 3.3 and a 3.5 average in the major.

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## ECONOMICS

### Requirements for the Major

(42 semester hours)

#### Economics

ECO-200	Principles of Macroeconomics	.3
ECO-201	Principles of Microeconomics	.3
ECO-210	Intermediate Macroeconomics	.3
ECO-211	Intermediate Microeconomics	.3
Six economics electives		.18

#### Mathematics, Computer Information Systems, or Management Sciences

CIS-185	Introduction to Computing	.3
MTH-120	Introduction to Applied Statistics	

or

MSD-200	Statistical Methods I	.3
MSD-201	Statistical Methods II	.3

For graduation, the student must achieve a 2.0 cumulative average in all courses in the major, with no grade less than a C-.

### Requirements for the Minor

(18 semester hours)

ECO-200	Principles of Macroeconomics	.3
ECO-201	Principles of Microeconomics	.3
Four economics courses, three of which must be at the 300 level or above		.12

## ENGLISH

### Requirements for the Major

**Note:** All declared English majors and minors must take the departmental gateway courses as prerequisites to upper-level major courses. The gateway courses should be taken in the sophomore year. All transfers into the major must take the gateway courses in the first two semesters after their transfer. (Transfer students may take the gateway courses concurrently with upper-level major courses.)

Majors and minors must receive a C- or above in each of the gateway courses to continue in the major. Those who receive a C or C- in any gateway course must meet with the English major advising committee to discuss their academic progress. Majors and minors who receive a D or below in any gateway course must repeat the course and meet with the English major advising committee. Gateway courses may be repeated only once in order to achieve a grade of C- or above. (The repeated course may be taken concurrently with other major courses.)

### Requirements for the Literature Concentration

(36 semester hours)

#### Gateway Courses

ENG-240	Methods of Literary Analysis	.3
ENG-250	Literary History I	.3
ENG-251	Literary History II*	.3

Three courses from the following: . . . . .9

ENG-331	Medieval Literature	
ENG-333	16th-Century Literature	
ENG-335	17th-Century Literature	
ENG-411	History of the English Language**	
ENG-425	Seminar in Shakespeare	
ENG-435	Seminar in Milton	
ENG-455	Seminar in Chaucer	

Five courses from the following: . . . . .15

ENG-340	Restoration and 18th-Century Literature	
ENG-345	Romantic Literature, 1780-1830	
ENG-346	Victorian Literature, 1830-1900	
ENG-347	20th-Century British Literature	
ENG-348	Contemporary British Literature	
ENG-351	19th-Century American Literature	
ENG-352	20th-Century American Literature	
ENG-353	Contemporary American Literature	

One course from the following: . . . . .3

ENG-441	Seminar in American Literature	
ENG-443	Seminar in Literary Modernism	
ENG-445	Seminar in Black and Multi-Ethnic Literature	
ENG-447	Seminar in Post-Colonial Literature	

\* Prerequisite: ENG-250

\*\*Secondary education and English double majors are advised to select ENG-411.

### Requirements for the Minor with a Concentration in Literature

(18 semester hours)

Two courses taken in sequence: . . . . .6

ENG-250	Literary History I	
and 251	Literary History II	

One course from the following: . . . . .3

ENG-362	The Novel	
ENG-363	The Drama	
ENG-364	The Poem	
ENG-365	Short Fiction	

Three courses from the following (no more than two in one century): . . . . .9

ENG-331	Medieval Literature	
ENG-333	16th-Century Literature	
ENG-335	17th-Century Literature	
ENG-340	Restoration and 18th-Century Literature	
ENG-345	Romantic Literature, 1780-1830	
ENG-346	Victorian Literature, 1830-1900	
ENG-347	20th-Century British Literature	
ENG-348	Contemporary British Literature	
ENG-351	19th-Century American Literature	
ENG-352	20th-Century American Literature	
ENG-353	Contemporary American Literature	
ENG-411	History of the English Language	
ENG-425	Seminar in Shakespeare	
ENG-435	Seminar in Milton	
ENG-443	Seminar in Literary Modernism	
ENG-445	Seminar in Black and Multi-Ethnic Literature	
ENG-447	Seminar in Post-Colonial Literature	
ENG-455	Seminar in Chaucer	

### Requirements for the Writing Concentration

(36 semester hours)

#### Gateway Courses

ENG-240	Methods of Literary Analysis	.3
ENG-250	Literary History I	.3
ENG-251	Literary History II*	.3

One course from each group: . . . . .12

ENG-331	Medieval Literature	
ENG-333	16th-Century Literature	
ENG-335	17th-Century Literature	
ENG-340	Restoration and 18th-Century Literature	
ENG-425	Seminar in Shakespeare	
ENG-435	Seminar in Milton	
ENG-455	Seminar in Chaucer	
ENG-345	Romantic Literature, 1780-1830	
ENG-346	Victorian Literature, 1830-1900	
ENG-351	19th-Century American Literature	
ENG-347	20th-Century British Literature	
ENG-348	Contemporary British Literature	
ENG-352	20th-Century American Literature	



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ENG-353 Contemporary American Literature  
 ENG-441 Seminar in American Literature  
 ENG-443 Seminar in Literary Modernism  
 ENG-445 Seminar in Black and Multi-Ethnic Literature  
 ENG-447 Seminar in Post-Colonial Literature  
 ENG-362 The Novel  
 ENG-363 The Drama  
 ENG-364 The Poem  
 ENG-365 Short Fiction  
 ENG-411 History of the English Language

Five courses from the following: . . . . .15

ENG-303 Creative Writing: Poetry  
 ENG-304 Creative Writing: Fiction  
 ENG-305 Creative Writing: Nonfiction  
 ENG-311 Creative Writing: Playwriting  
 ENG-312 Creative Writing: Screenwriting  
 ENG-315 Topics in Specialized Writing  
 ENG-316 Theories of Writing and Tutoring  
 ENG-317 Electronic Writers Workshop  
 ENG-321 Workplace Writing: Business and Professional Contexts  
 ENG-322 Workplace Writing: Grant Proposals, Fundraising and Development  
 ENG-323 Workplace Writing: Reviewing and Publishing  
 ENG-400 Advanced Creative Writing  
 ENG-405 Advanced Prose Style  
 ENG-407 Advanced Workplace Writing  
 ENG-490 Independent Research and Study  
 ENG-491 Internship in Expository Writing

\*Prerequisite: ENG-250

\*\*Secondary education and English double majors are advised to select ENG-411.

## Requirements for the Minor with a Concentration in Writing (18 semester hours)

Two courses taken in sequence: . . . . .6

ENG-250 Literary History I  
 and 251 Literary History II

One course from the following: . . . . .3

ENG-362 The Novel  
 ENG-363 The Drama  
 ENG-364 The Poem  
 ENG-365 Short Fiction

Three courses from the following: . . . . .9

ENG-303 Creative Writing: Poetry  
 ENG-304 Creative Writing: Fiction  
 ENG-305 Creative Writing: Nonfiction  
 ENG-311 Creative Writing: Playwriting  
 ENG-312 Creative Writing: Screenwriting  
 ENG-315 Topics in Specialized Writing  
 ENG-316 Theories of Writing and Tutoring  
 ENG-317 Electronic Writers Workshop  
 ENG-321 Workplace Writing: Business and Professional Contexts  
 ENG-322 Workplace Writing: Grant Proposals, Fundraising, and Development  
 ENG-323 Workplace Writing: Reviewing and Publishing  
 ENG-400 Advanced Creative Writing  
 ENG-405 Advanced Prose Style  
 ENG-407 Advanced Workplace Writing  
 ENG-490 Independent Research and Study

## Requirements for the Cinema Studies Concentration (39 semester hours)

### Gateway Courses

ENG-240 Methods of Literary Analysis . . . . .3  
 ENG-250 Literary History I . . . . .3  
 ENG-251 Literary History II . . . . .3  
 ENG-284 Language of Film Analysis .3

One course from each group: . . . . .12

ENG-331 Medieval Literature  
 ENG-333 16th-Century Literature  
 ENG-335 17th-Century Literature  
 ENG-340 Restoration and 18th-Century Literature  
 ENG-425 Seminar in Shakespeare  
 ENG-435 Seminar in Milton  
 ENG-455 Seminar in Chaucer

ENG-345 Romantic Literature, 1780-1830  
 ENG-346 Victorian Literature, 1830-1900  
 ENG-351 19th-Century American Literature

ENG-347 20th-Century British Literature  
 ENG-348 Contemporary British Literature  
 ENG-352 20th-Century American Literature  
 ENG-353 Contemporary American Literature  
 ENG-441 Seminar in American Literature  
 ENG-443 Seminar in Literary Modernism  
 ENG-445 Seminar in Black and Multi-Ethnic Literature

ENG-447 Seminar in Post-Colonial Literature  
 ENG-362 The Novel  
 ENG-363 The Drama  
 ENG-364 The Poem  
 ENG-365 Short Fiction  
 ENG-411 History of the English Language

## Cinema Studies Courses

Five courses from the following: . . . . .15

AMS-215 Alfred Hitchcock in America  
 COM-291 Documentary Film and Video  
 ENG-312 Creative Writing: Screenwriting  
 ENG-323 Workplace Writing: Reviewing and Publishing  
 ENG-381 Studies in Film Genre  
 ENG-382 Comparative Film Directors  
 ENG-383 Survey in National Cinemas  
 ENG-384 Film Adaptation  
 ENG-484 Seminar in Cinema Studies  
 ENG-490 Independent Research and Study (with permission)  
 GER-307 German Literature and Film (knowledge of German language required)  
 GMS-306 Ethnographic Film  
 MUS-309 Film Music  
 POL-306 Political Film  
 PSY-375 Psychology and Film  
 SPA-412 Hispanic Theater and Film (knowledge of Spanish language required)

## Requirements for the Minor with a Concentration in Cinema Studies (21 semester hours)

ENG-250 Literary History I . . . . .3  
 ENG-251 Literary History II . . . . .3  
 ENG-284 Language of Film Analysis .3

Two courses from the following: . . . . .6

ENG-331 Medieval Literature  
 ENG-333 16th-Century Literature  
 ENG-335 17th-Century Literature  
 ENG-340 Restoration and 18th-Century Literature  
 ENG-345 Romantic Literature, 1780-1830  
 ENG-346 Victorian Literature, 1830-1900  
 ENG-347 20th-Century British Literature  
 ENG-348 Contemporary British Literature  
 ENG-351 19th-Century American Literature  
 ENG-352 20th-Century American Literature  
 ENG-353 Contemporary American Literature  
 ENG-362 The Novel

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ENG-363	The Drama
ENG-364	The Poem
ENG-365	Short Fiction
ENG-411	History of the English Language
ENG-425	Seminar in Shakespeare
ENG-435	Seminar in Milton
ENG-443	Seminar in Literary Modernism
ENG-445	Seminar in Black and Multi-Ethnic Literature
ENG-447	Seminar in Post-Colonial Literature
ENG-455	Seminar in Chaucer

Two courses from the following: . . . . .6	
AMS-215	Alfred Hitchcock in America
COM-291	Documentary Film and Video
ENG-312	Creative Writing: Screenwriting
ENG-323	Workplace Writing: Reviewing and Publishing
ENG-381	Studies in Film Genre
ENG-382	Comparative Film Directors
ENG-383	Survey of National Cinemas
ENG-384	Film Adaptation
ENG-484	Seminar in Cinema Studies
ENG-490	Independent Research and Study (with permission)
GER-307	German Literature and Film (knowledge of German language required)
GMS-306	Ethnographic Film
MUS-309	Film Music
POL-306	Political Film
PSY-375	Psychology and Film
SPA-412	Hispanic Theater and Film (knowledge of Spanish language required)

## Honors Program in English

Qualified majors may apply for honors in their senior year. A student must have a 3.25 cumulative average and a 3.5 average in English. Upon approval from the department of English, a candidate for honors enrolls in ENG-497 Advanced Study, writes a thesis, and submits it for departmental approval. The student must achieve a course grade of B+ or better to be graduated with honors in English.

## Film and Media Studies Requirements for the Minor (21 semester hours)

Choose at least one course from each group, and no more than two courses from Technical Aspects: . . . . .21

## Foundation Courses

ENG-284	Language of Film Analysis
SOC-252	Media, Culture and Society

## Theory, History and Aesthetics

AMS-214*	The Films of Stanley Kubrick
AMS-215	Alfred Hitchcock in America
ENG-381	Studies in Film Genre
ENG-382	Comparative Film Directors
ENG-383	Survey of National Cinemas
ENG-384	Film Adaptation
ENG-484	Seminar in Cinema Studies
GER-307+	German Literature and Film
MUS-309	Music in Film
LAW-395*	Special Topics: Female Lawyers in Film

## Film, Media and Culture

BHP-300*	Cultural Politics: Cinema, Spectacle, Literature (BHP students only)
COM-231	Sitcoms and American Culture
COM-291	Documentary Film and Video
FRE-422+	Cultural Expression in French Film and Television
GMS-306	Ethnographic Film
LAW-204	Law, Literature, and Film in America
LIT-322	German Literature and Film in English Translation
POL-306	Political Film
PSY-375	Psychology and Film
SPA-412+	Hispanic Theater and Film
SPA-426+	Latin-American/Latino Film and Fiction
THE-495*	The Everyman Movies

## Technical Aspects

COM-131	Fundamentals of Video Production
COM-331	Television Production
COM-334	Audio Production
ENG-312	Creative Writing: Screenwriting
THE-200	Acting for the Camera

In order to qualify for the Film and Media Studies Minor, English majors with a Cinema Studies Concentration must take four additional courses beyond the five cinema courses required for the concentration; English minors with a Cinema Studies concentration must take five additional courses beyond the two cinema courses required for the concentration.

+These courses require a proficiency in a foreign language.

\*Examples of Special Topics courses that could be approved to fulfill the above categories.

## FINE ARTS

### Requirements for the Major (32-34 semester hours)

Students must satisfy the requirements of one of the following tracks—art, dance, music, or theatre arts.

### Requirements for the Tracks

#### Art

(36 semester hours)

ART-103	Fundamentals of Drawing . .3
ART-104	Survey of Art History I . . .3
ART-105	Design . . . . .3
ART-106	Survey of Art History II . .3
ART-204	Fundamentals of Painting
or 230	Three-Dimensional Design .3
One history course each in dance, music, and theatre . . . . .9	

Two courses from the following: . . . . .6	
ART-304	Drawing II
ART-305	Intermediate Painting A-B-C
ART-492	Advanced Studio Workshop
Two electives in art history or studio art . . . . .6	

#### Dance\*

(32 semester hours)

MUS-110	Elementary Music Theory
or 111	Intermediate Music Theory .3
DAN-100	Dance Fundamentals . . . . .2
DAN-105	Survey of Dance History . .3
DAN-300	Studio and Lecture in Dance . . . . .12
DAN-350	History of Ballet, Modern and Jazz Dance . . . . .3
One history course each in art, music, and theatre . . . . .9	

\*All dance courses are taken at the Princeton Ballet School, Princeton, New Jersey.

#### Music

(40-42 semester hours)

MUS-105	Survey of Music History I . .3
MUS-106	Survey of Music History II .3
MUS-110	Elementary Music Theory . .3
MUS-111	Intermediate Music Theory .3

Four music history courses from the following: . . . . .12

MUS-208	Music of the Theatre
MUS-209	Great Composers
MUS-300	Beethoven and the Romantic Age
MUS-303	Music Literature: Baroque Era
MUS-306	Contemporary Musical Experience
MUS-309	Film Music

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Two courses from the following: . . . . .6  
 MUS-131, Beginning Piano I, II  
 132  
 MUS-233 Intermediate Piano A, B, C, D

One course from the following: . . . . .1-3  
 MUS-127 Instrumental Ensemble-Band  
 MUS-128 Choir  
 MUS-130 Music in Children's Lives  
 MUS-493 Selected Topics in Musical  
 Performance  
 One history course each in art,  
 dance, and theatre . . . . .9

## Theatre Arts\*

(42 semester hours)

THE-105 Theatre History to 1700 . . .3  
 THE-106 Theatre History Since 1700 .3  
 THE-107, Acting I, II . . . . .6  
 207  
 THE-115 Stagecraft . . . . .3  
 THE-400 Directing . . . . .3  
 Two theatre history courses at the  
 300 or 400 level . . . . .6  
 Three additional theatre courses  
 from theatre history, acting, or  
 technical at the 200, 300 or 400 level  
 . . . . .9  
 One history course each in art,  
 dance, and music . . . . .9

\*The theatre student is expected to work  
 24 hours a semester, or 48 hours a year,  
 for the department in theatre-related  
 activities (i.e., stage crew, acting, car-  
 pentry).

## Requirements for the Minor

(21 semester hours)

### Art History

One course from the following: . . . . .3  
 ART-104, Survey of Art History I, II  
 106  
 ART-201 Art of the Ancient World  
 ART-207 Medieval and Renaissance Art  
 ART-209 Art of the Baroque  
 ART-214 American Art  
 ART-303 19th-Century Art  
 ART-306 Art of the 20th Century  
 ART-495 Selected Topics in Art History

### Music History

One course from the following: . . . . .3  
 MUS-105, Survey of Music History I, II  
 106  
 MUS-207 Masterworks in Music  
 MUS-208 Music of the Theatre  
 MUS-300 Beethoven and the  
 Romantic Age  
 MUS-303 Music Literature: Baroque Era

MUS-306 Contemporary Musical  
 Experience  
 MUS-309 Film Music

### Theatre History

One course from the following: . . . . .3  
 THE-105 Theatre History to 1700  
 THE-106 Theatre History since 1700  
 THE-306 American Theatre History  
 THE-307 Contemporary American  
 Theatre  
 THE-308 Modern Drama  
 THE-495 Selected Topics in  
 Theatre History

In addition, all minors must take a mini-  
 mum of 12 semester hours in one area of  
 concentration (art, music, or theatre). Of  
 the 21 semester hours for the minor, at least  
 nine must be at the 300 or 400 level, and  
 no more than three may be independent  
 study or internship.

## Requirements for the Dance Minor

(20 semester hours)

MUS-110 Elementary Music Theory  
 or 111 Intermediate Music Theory .3

### Art and Theatre History

One course from the following: . . . . .3  
 ART-104, Survey of Art History I, II  
 106  
 ART-201 Art of the Ancient World  
 ART-207 Medieval and Renaissance Art  
 ART-209 Art of the Baroque  
 ART-214 American Art  
 ART-303 19th-Century Art  
 ART-306 Art of the 20th Century  
 ART-495 Selected Topics in Art History  
 THE-105 Theatre History to 1700  
 THE-106 Theatre History since 1700  
 THE-306 American Theatre History  
 THE-307 Contemporary American  
 Theatre  
 THE-308 Modern Drama  
 THE-495 Selected Topics in Theatre  
 History

### Music History

One course from the following: . . . . .3  
 MUS-105, Survey of Music History I, II  
 106  
 MUS-207 Masterworks in Music  
 MUS-208 Music of the Theatre  
 MUS-300 Beethoven and the  
 Romantic Age  
 MUS-303 Music Literature: Baroque Era  
 MUS-306 Contemporary Musical  
 Experience  
 MUS-309 Film Music

## Dance

DAN-105 Survey of Dance History  
 or 350 History of Ballet, Modern  
 and Jazz Dance . . . . .3  
 Eight semester hours of dance from  
 the Princeton Ballet School . . . . .8

## Honors Program in Fine Arts

A senior honors program may be submitted  
 in partial fulfillment of requirements for  
 graduation with honors in fine arts. Honors  
 work is limited to those departmental  
 majors with a cumulative average of 3.5 in  
 fine arts courses and cognates. The pro-  
 gram, to be planned under the direction of  
 a faculty advisor, represents a culmination  
 of demonstrated excellence in a specific area  
 of fine arts. Candidates for honors in fine  
 arts must be approved by the department  
 chairperson and the faculty.

## FOREIGN LANGUAGES AND LITERATURES

### Requirements for the French Major

(24 semester hours beyond French IV and  
 12 semester hours in collateral liberal arts  
 courses)

### French

FRE-305 An Introduction to French  
 Literature . . . . .3

Seven courses from the following: . . . .21

FRE-300 French Composition  
 and Translation  
 FRE-301 French for Business  
 and the Professions  
 FRE-311 French Culture  
 FRE-422 Cultural Expression in  
 French Film and Television  
 FRE-425 The Portrait of the  
 Hero in French Fiction  
 FRE-430 Mask and Reality in  
 French Theater  
 FRE-435 The Self in French Prose  
 and Poetry  
 FRE-490 Independent Research  
 and Study  
 FRE-496 Special Studies

### Liberal Arts

Choose one option . . . . .12

#### Option I

Two courses from the following:  
 LIT-250 Masterworks of Western  
 Literature I  
 LIT-251 Masterworks of Western  
 Literature II  
 LIT-390 The Bible as Literature  
 Two additional courses in  
 another foreign language.

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## Option II

- LIT-250 Masterworks of Western Literature I  
or 251 Masterworks of Western Literature II  
Three additional courses in another foreign language.

Some of the requirements may be met by Study Abroad. Students are strongly encouraged to spend at least one semester abroad.

All majors are expected to take at least one French course per semester in the senior year.

## Requirements for the French Minor (18 semester hours)

- FRE-200, French III, IV\* .....6  
201  
FRE-305 An Introduction to French Literature .....3  
Three French courses at the 300 level or above, including at least two literature courses .....9

\*Two advanced (300- or 400-level) courses will be substituted upon demonstrated proficiency.

Some of the requirements for the minor may be met by Study Abroad by agreement with the department. Students must enroll in at least one upper level course upon completion of a study abroad program.

## Requirements for the German Major (24 semester hours beyond German IV and 12 semester hours in collateral liberal arts courses)

### German

- GER-305 Introduction to German Literature .....3

Seven courses from the following: ....21

- GER-300 Composition and Conversation  
GER-301 German for Business  
GER-302 Business Translation and Communication  
GER-307 German Literature and Film  
GER-310 German Culture  
LIT-322 German Literature and Film in English Translation  
GER-425 Self and Society in German Short Fiction  
GER-430 Modern German Drama  
GER-490 Independent Research and Study  
GER-496 Special Studies

## Liberal Arts

Choose one option .....12

### Option I

- Two courses from the following:  
LIT-250 Masterworks of Western Literature I  
LIT-251 Masterworks of Western Literature II  
LIT-390 The Bible as Literature

Two additional courses in another foreign language.

### Option II

- LIT-250 Masterworks of Western Literature I  
or 251 Masterworks of Western Literature II  
Three additional courses in another foreign language.

Some of the requirements for the major may be met by Study Abroad. Credit toward the major may be granted for German III and IV if the student has begun study with German I and II.

All majors are expected to take at least one German course per semester in the senior year.

## Requirements for the German Minor (18 semester hours)

- GER-200, German III, IV\* .....6  
201  
GER-305 Introduction to German Literature  
or 307 German Literature and Film .....3  
Three German courses at the 300 level or above .....9

\*Two advanced language or literature courses will be substituted upon demonstrated proficiency.

Some of the requirements for the minor may be met by Study Abroad by agreement with the department. Students must enroll in at least one upper level course upon completion of a study abroad program.

## Requirements for the Russian Major (24 semester hours beyond Russian IV and 12 semester hours in collateral liberal arts courses)

### Russian Literature

- LIT-310, Russian Literature from 988-1850 .....3  
LIT-311 Russian Literature from 1850-1917 .....3  
LIT-312 20th-Century Russian Literature .....3

Five courses from the following: .....15

- LIT-313 Contemporary Russian Literature  
LIT-315 Tolstoy  
LIT-317 Dostoevsky  
LIT-330 Russian Culture  
RUS-490 Independent Research and Study  
RUS-496 Special Studies

## Liberal Arts

Choose one option .....12

### Option I

- Two courses from the following:  
LIT-250 Masterworks of Western Literature I  
LIT-251 Masterworks of Western Literature II  
LIT-390 The Bible as Literature  
Two additional courses in another foreign language.

### Option II

- LIT-250 Masterworks of Western Literature I  
or 251 Masterworks of Western Literature II  
Three additional courses in another foreign language.

## Requirements for the Russian Minor (18 semester hours)

- RUS-200, Russian III, IV\* .....6  
201  
Two courses from the following: .....6  
LIT-310 Russian Literature from 988-1850  
LIT-311 Russian Literature from 1850-1917  
LIT-312 20th-Century Russian Literature  
Two additional Russian literature or culture courses .....6

\*Two advanced language or literature courses will be substituted upon demonstrated proficiency.

A Russian area studies minor is also offered.



# LIBERAL ARTS AND SCIENCES

**Requirements for the Spanish Major**  
(27 semester hours beyond the Spanish 200-level courses and 12 semester hours in collateral liberal arts courses)

## Language, Culture and Introductory Literature

SPA-300	Advanced Grammar and Composition	
or 302	Writing and Translating for the Professions . . . . .	.3
SPA-301	Spanish for Business	
or 395	Phonetics for Communication . . . . .	.3
SPA-310	Spanish Culture and Civilization	
or 311	Latin American/Latino Culture . . . . .	.3
SPA-320	Introduction to Spanish Literature . . . . .	.3
SPA-325	Introduction to Latin-American/Latino Literature .3	

## Advanced Literature

Medieval and Classical Peninsular

Two courses from the following: . . . . .6

SPA-305	Cervantes	
SPA-403	Medieval Literature	
SPA-415	The Spanish Renaissance	
SPA-416	The Spanish Golden Age	

## Modern Hispanic

One course from the following: . . . . .3

SPA-410	Modern Hispanic Poetry	
SPA-411	The Modern Spanish Novel	
SPA-412	Hispanic Theater and Film	
SPA-426	Latin-American/Latino Film and Fiction . . . . .	.3

## Electives

SPA-490	Independent Research and Study	
SPA-496	Special Studies	

## Liberal Arts

Choose one option . . . . .12

### Option I

Two courses from the following:

LIT-250	Masterworks of Western Literature I	
LIT-251	Masterworks of Western Literature II	
LIT-390	The Bible as Literature	

Two additional courses in another foreign language.

### Option II

LIT-250	Masterworks of Western Literature I	
or 251	Masterworks of Western Literature II	

Three additional courses in another foreign language.

Some of the requirements for the major may be met by Study Abroad. Students are strongly encouraged to spend at least one semester abroad.

All majors are expected to take at least one Spanish course per semester in the senior year.

## Requirements for the Spanish Minor

### Language and Literature Track (18 semester hours)

SPA-200,	Spanish III, IV* . . . . .	.6
201		
SPA-300	Advanced Grammar and Composition	
or 302	Writing and Translating for the Professions . . . . .	.3
SPA-320	Introduction to Spanish Literature	
or 325	Introduction to Latin-American/Latino Literature .3	

Two additional courses at the 300 level or above including at least one course at the 400 level . . . . .6

\*Two advanced courses will be substituted for the 200 level courses upon demonstrated proficiency.

Some of the requirements for the minor may be met by Study Abroad by agreement with the department. Students must enroll in at least one upper level course upon completion of a study abroad program.

### Spanish for Business and the Professions Track (18 semester hours)

SPA-200,	Spanish III, IV* . . . . .	.6
201		
SPA-300	Advanced Grammar and Composition	
or 302	Writing and Translating for the Professions . . . . .	.3
SPA-301	Spanish for Business. . . . .	.3

Two additional courses at the 300 level or above, one of which must be a literature course, and one in either culture or phonetics . . . . .6

Some of the requirements for the minor may be met by Study Abroad by agreement with the department. Students must enroll in at least one upper level course upon completion of a Study Abroad program.

\*Two advanced courses will be substituted for the 200 level courses upon demonstrated proficiency.

## Honors Program in Foreign Languages

The department faculty will attempt to identify prospective honors students at the earliest possible moment and offer them challenges and encouragement. A student who has a 3.25 cumulative average and a 3.5 average in the major may be invited by the department, upon recommendation of a faculty member, to become a candidate for the honors program in foreign languages. Details of the program will be arranged to accommodate the interests and needs of the individual student. Work may begin in the junior year. In the fall semester of the senior year, the candidate registers for Independent Research and Study, for three credit hours, to prepare a substantial draft of the honors thesis. On the basis of this work, the faculty determines whether or not the candidate will be permitted to continue in the honors program; in any event, the student will have earned three credits. In the spring semester of the senior year, the qualified candidate will again register for Independent Research and Study, for three credit hours, to complete the honors thesis. It will be presented to the faculty on or before April 15 and will be defended before the appropriate faculty members. Honors will be awarded to the student by the department upon recommendation of the faculty of the particular language.

## GENDER STUDIES Requirements for the Minor (18 semester hours)

GND-200	Introduction to Women's Studies . . . . .	.3
GND-400	Senior Seminar . . . . .	.3

Four courses, at least two of which must have GND prefixes . . . . .12

BHP-320	Gender and Music	
ENG-230	Women in Literature	
GND-100	Introduction to Gender Studies	
GND-300	Feminist Literary Criticism	
GND-310	Special Topics	
GND-311	Gender and Communication	
GND-312	Gender, War and Peace	
GND-313	Gender and Ethics	
GND-315	Seminar in Gender Studies	
GND-350	Leadership and Community	
GND-490	Independent Research and Study	
GND-491	Internship	
HIS-309	Women in American History	
HIS-339	Women in East Asia	
LAW-304	Women and Law	
MCS-110	Race, Class and Gender in America	

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MGT-320	Managing Workforce Diversity
PHL-230	Philosophy of the Sexes
POL-280	Sex and Politics
PSY-218	Psychology of Women
PSY-374	Psychology of the Family
PSY-381	The Psychology of Gender
SOC-205	Families
SOC-312	Women in Society
SOC-316	Feminist Social Thought

## GEOLOGICAL, ENVIRONMENTAL AND MARINE SCIENCES Requirements for the Environmental Science Major (63-65 semester hours)

### Requirements for the Environmental Core (50 semester hours)

#### Environmental Science

ENV-100	Introduction to Environmental Science	4
ENV-350	Principles of Environmental Toxicology	3

#### Biology

BIO-115	Principles of Biology: Evolution, Diversity, and Biology of Animals	4
BIO-116	Principles of Biology: Evolution, Diversity, and Biology of Plants	4
BIO-350	General Ecology	4

#### Chemistry/Physics\*

CHE-120	Principles of Chemistry	3
CHE-121	Principles of Chemistry Lab	1
CHE-122	Introduction to Chemical System	3
CHE-123	Quantitative Methods Lab	1
CHE-211	Organic Chemistry I	3
CHE-213	Organic Chemistry I Lab	1

\*Majors who plan to attend graduate school will be urged to take PHY-100, 100L, 101 and 101L in addition to these chemistry courses.

#### Geosciences

GEO-100	Earth Systems Science or 113	3
GEO-102	Earth Materials and Processes Lab	1
GEO-350	Soils and Surficial Processes	3
GEO-407	Hydrology and Water Resources	4

#### Mathematics\*

ENV-200	Statistical and Computer Applications in the Natural Sciences	4
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\*Majors will take MTH-105 or MTH-210 to fulfill their math core requirement.

#### Concentrations

(13-15 semester hours)

Four courses, at least three courses at the 300 level or higher; one must be a laboratory course; at least one, but not more than one course from Group C: . . . . .13-15

#### Group A

##### Biotic Processes

BIO-117	Principles of Biology: Evolution, Diversity, and Biology of Cells
BIO-215	Environmental Microbiology
BIO-265	Genetics
BIO-272	Introduction to Marine Biology
BIO-305	Vertebrate Physiology
BIO-335	Modern Plant Biology
MAR-227	
- 229	Field Marine Science Courses
BIO-372	Behavior of Marine Organisms: An Evolutionary Approach

#### Group B

##### Abiotic Processes

CHE-214	Organic Chemistry II
CHE-311	Analytical Chemistry
ENV-375	Environmental Biogeochemistry
GEO-201	Elements of Mineralogy
MAR-330	Chemical Oceanography*
MAR-410	Physical Oceanography*

\*Prerequisite of MAR-120

#### Group C

##### Social Processes

AMS-304	Technology and Science in America
ECO-345	Transportation for Business and Society*
ECO-350	Business Location and Environmental Scanning*
HIS-299	American Environment History & Culture
PHL-320	Philosophy of Science
POL-215	Global Politics
SOC-225	Population Study

\*Prerequisite of ECO-201 which will also count towards the social science core requirement.

### Requirements for the Geosciences Major (65-66 semester hours)

#### Geological Sciences

GEO-100	Earth Systems Science	3
GEO-102	Earth Materials and Processes Lab	1
ENV-200	Statistical and Computer Applications in the Natural Sciences*	4
GEO-201	Elements of Mineralogy	4
GEO-210	Marine Life Through Time	4

GEO-305	Petrology and Petrography	4
GEO-306	Sedimentology	4
GEO-307	Stratigraphy	4
GEO-310	Structural Geology	4
GEO-350	Soils and Surficial Processes	3
GEO-407	Hydrology and Water Resources	4

Attendance at an approved summer geology field camp . . . . .3 or more

\*Students may substitute a 200-level or above course from the department of mathematics curriculum.

#### Chemistry

CHE-120	Principles of Chemistry	3
CHE-121	Principles of Chemistry Lab	1
CHE-122	Introduction to Chemical Systems	3
CHE-123	Quantitative Methods Lab	1

#### Mathematics

One course from the following: . . . . .4	
MTH-105	Algebra and Trigonometry
MTH-210	Calculus I
MTH-211	Calculus II
MTH-212	Calculus III

#### Physics

One sequence of courses from the following: . . . . .8	
PHY-100	Principles of Physics I
PHY-100L	Principles of Physics I Lab
PHY-101	Principles of Physics II
PHY-101L	Principles of Physics II Lab
or	
PHY-200	General Physics I
PHY-201	General Physics II

#### Geology electives

One course from the following . . . . .3-4	
ENV-375	Environmental Biogeochemistry
GEO-168	Mesozoic Ruling Reptiles: Dinosaurs, Pterosaurs, and Plesiosaurs
GEO-480	Senior Thesis*
MAR-340	Marine Processes and Environments: Seminar

\*Requirement for eligibility for graduation with honors in geosciences. Highly recommended for students aspiring to enter graduate school.

A minor in chemistry, physics, oceanography, or marine sciences is strongly recommended.

# LIBERAL ARTS AND SCIENCES

## Requirements for the Environmental Geology Minor

(21-22 semester hours)

GEO-100	Earth Systems Science	3
GEO-102	Earth Materials and Processes Lab	1
GEO-113	Environmental Geology	3
GEO-201	Elements of Mineralogy	4
GEO-350	Soils and Surficial Processes	3
GEO-407	Hydrology and Water Resources	4

One course from the following: . . . .3-4

ENV-375	Environmental Biogeochemistry	
GEO-307	Stratigraphy	
GEO-310	Structural Geology	
MAR-330	Chemical Oceanography	
MAR-340	Marine Processes and Environments: Seminar	

## Requirements for the Integrated Sciences Major

(51-52 semester hours)

### Inquiry-based Introductory Course

SCI-100	Introduction to the Integrated Sciences	4
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### Inquiry-based Science Courses

Two courses from two different categories and not from area of declared concentration . . . . .8

### Life Sciences

BIO-110	Life Science: Inquiry Approach	
BIO-250	Field Natural History	

### Earth Sciences

GEO-100	Earth Systems Science and 102	Earth Materials and Processes Laboratory	
MAR-120	Oceanography and 121	Introductory Oceanography Lab	

### Physical Sciences

CHE-118	Exploration of Chemical Principles	
PHY-105	Matter, Forces and Energy: An Exploration of Physics Concepts	

### Mathematics

MTH-210	Calculus I	4
MTH-230	Discrete Mathematics	4

Two courses from the following: . . . .7-8

MTH-102	Elements of Finite Math (inquiry section)	
MTH-105	Algebra and Trigonometry	
MTH-211	Calculus II	
MTH-212	Calculus III	

## Areas of Concentration

(20 semester hours)

Students must choose one area of concentration: Life Sciences, Earth Sciences, Physical Sciences or Mathematics.

## Requirements for the Life Sciences Concentration

BIO-115	Principles of Biology: Evolution, Diversity, and Biology of Animals	4
BIO-116	Principles of Biology: Evolution, Diversity, and Biology of Plants	4

Three courses from the following:.....12

BIO-250	Field Natural History	
BIO-272	Introduction to Marine Biology	
BIO-350	General Ecology	
MAR-325	Marine Vertebrates	

## Requirements for the Earth Sciences Concentration

GEO-100	Earth Systems Science	3
GEO-102	Earth Materials and Processes Lab	1
MAR-120	Oceanography	3
MAR-121	Introductory Oceanography Lab	1

Three courses from the following:.....12

ENV-200	Statistical and Computer Applications in the Natural Sciences	
GEO-306	Sedimentology	
GEO-407	Hydrology and Water Resources	
MAR-210	Marine Life Through Time	
MAR-380	The Learning and Teaching of Marine Science	

## Requirements for the Physical Sciences Concentration

CHE-120	Principles of Chemistry	3
CHE-121	Principles of Chemistry Lab	1
CHE-122	Introduction to Chemical Systems	3
CHE-123	Quantitative Methods Lab	1

One of the following pairs of courses: . .8

PHY-105	Matter, Forces and Energy: An Exploration of Physics Concepts	
CHE-211 and 213	Organic Chemistry I Lab or	
CHE-118	Exploration of Chemical Principles	
PHY-201	General Physics II	

## Mathematics

MTH-211	Calculus II	4
MTH-212	Calculus III	4
MTH-240	Linear Algebra	4

Three or more courses from the following: . . . . .9

MTH-250	Differential Equations	
MTH-308	Advanced Calculus	
MTH-315	Modern Geometry	
MTH-340	Probability and Statistics I	
MTH-341	Probability and Statistics II	
MTH-401	Modern Algebra	
MTH-410	Complex Analysis	
MTH-420	Number Theory	
MTH-430	Introduction to Topology	
MTH-440	Real Analysis	

## Capstone Course

SCI-410	Seminar in the Integrated Sciences	4
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## Requirements for the Marine Sciences Major

(63-66 semester hours)

### Biology

BIO-115	Principles of Biology: Evolution, Diversity, and Biology of Animals	4
BIO-272	Introduction to Marine Biology	3
BIO-272L	Marine Biology Lab	1

### Geological and Marine Sciences

ENV-200	Statistical and Computer Applications in the Natural Sciences	4
GEO-306	Sedimentology	4
MAR-120	Oceanography	3
MAR-121	Introductory Oceanography Lab	1
MAR-330	Chemical Oceanography	4
MAR-340	Marine Processes and Environments: Seminar	3
MAR-401	Marine Ecology	4
MAR-410	Physical Oceanography	3

### Field Experience

One course from the following: . . . .3-4

MAR-227	Introduction to Field Marine Science: Subtropical Environments*	
MAR-228	Introduction to Field Marine Science: Boreal Environments*	
MAR-229	Introduction to Field Marine Science: Tropical Environments*	

\*Two week course taught in May-August on a rotating basis.

# LIBERAL ARTS AND SCIENCES

## Chemistry

CHE-120	Principles of Chemistry	...3
CHE-121	Principles of Chemistry Lab	..1
CHE-122	Introduction to Chemical Systems	...3
CHE-123	Quantitative Methods Lab	...1

## Physics

One sequence of courses from the following: ...8		
PHY-100	Principles of Physics I	
PHY-100L	Principles of Physics I Lab	
PHY-101	Principles of Physics II	
PHY-101L	Principles of Physics II Lab	
or		
PHY-200	General Physics I	
PHY-201	General Physics II	

## Mathematics

One course from the following: ...4		
MTH-105	Algebra and Trigonometry	
MTH-210	Calculus I	
MTH-211	Calculus II	
MTH-212	Calculus III	

## Electives

Two courses from the following: ...6--8		
BIO-205	Genetics	
BIO-350	General Ecology	
BIO-372	Behavior of Marine Organisms: An Evolutionary Approach	
CHE-211	Organic Chemistry I	
ENV-375	Environmental Biogeochemistry	
GEO-480	Senior Thesis*	
MAR-210	Marine Life Through Time	
MAR-325	Marine Vertebrates: Fish to Mammals	
MAR-340	Marine Processes and Environments: Seminar	
MAR-360	Plankton Ecology	

Second Field Experience from above or MAR-429 Advanced Field Marine Studies. MAR-227 is taught at the Bermuda Biological Station, Bermuda. MAR-228 is taught at the Shoals Marine Laboratory, Gulf of Maine. MAR-229 is taught at the Institute of Marine Sciences, Roatan, Honduras.

\*Requirement for eligibility for graduation with honors in marine sciences. Highly recommended for students aspiring to enter graduate school.

A minor in biology, chemistry or environmental geology is strongly recommended.

## Requirements for the Marine Sciences Minor

(19-20 semester hours)

BIO-115	Principles of Biology: Evolution, Diversity, and Biology of Animals	...4
BIO-272	Introduction to Marine Biology	...3
BIO-272L	Marine Biology Lab	...1
GEO-100	Earth Systems Science*	...3
GEO-102	Earth Materials and Processes Lab*	...1
MAR-120	Oceanography	...3
MAR-121	Introductory Oceanography Lab	...1
One course from the following: ...3-4		
MAR-227	Introduction to Field Marine Science: Subtropical Environments**	
MAR-228	Introduction to Field Marine Science: Boreal Environments**	
MAR-229	Introduction to Field Marine Science: Tropical Environments**	
MAR-380	The Learning and Teaching of Marine Science	
*Biology majors may substitute BIO-116.		

\*\*Two-week course taught in May-August on a rotating basis.

## Requirements for the Oceanography Minor\*

(21-22 semester hours)

GEO-306	Sedimentology	...4
MAR-120	Oceanography	...3
MAR-121	Introductory Oceanography Lab	...1
MAR-330	Chemical Oceanography	...4
MAR-340	Marine Processes and Environments: Seminar	...3
MAR-410	Physical Oceanography	...3

One course from the following: ...3-4

ENV-375	Environmental Biogeochemistry	
GEO-306	Sedimentology (if not taken previously)	
MAR-227	Introduction to Field Marine Science: Subtropical Environments**	
MAR-228	Introduction to Field Marine Science: Boreal Environments**	
MAR-229	Introduction to Field Marine Science: Tropical Environments**	

\*This minor not available to marine sciences majors.

\*\*Two week course taught in May-August on a rotating basis.

## Requirements for Liberal Studies: Environmental Emphasis Major

(48-50 semester hours)

The Environmental Emphasis program is designed primarily as a second major for students in the School of Education interested in teaching science in elementary schools. This program is not designed to prepare students for further study in science disciplines at the graduate or professional level.

## Biology

BIO-115	Principles of Biology: Animals or 116 Principles of Biology: Plants	...4
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## Chemistry

CHE-120	Principles of Chemistry	...3
CHE-121	Principles of Chemistry Lab	..1

## Environmental Sciences

ENV-100	Introduction to Environmental Science	...4
ENV-200	Statistical and Computer Applications in the Natural Sciences	...4

## Geological and Marine Sciences

GEO-102	Earth Materials and Processes Lab	...1
GEO-113	Environmental Geology	...3
MAR-120	Oceanography	...3
MAR-121	Introductory Oceanography Lab	...1
GEO-407	Hydrology and Water Resources	...4

## Mathematics

MTH-105	Algebra and Trigonometry or 210 Calculus I	...4
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## Electives

Biotic and Abiotic Processes		
Two courses from the following ...7-8		
BIO-250	Field Natural History	
BIO-272	Introduction to Marine Biology and 272L Marine Biology Lab	
BIO-335	Modern Plant Biology	
BIO-372	Behavior of Marine Organisms	
GEO-350	Soils and Surficial Processes	
MAR-225, 227, 228, 229	Introduction to Marine Field Science	
MAR-401	Marine Ecology	
PHY-100 and 100L	Principles of Physics I and Principles of Physics I Lab	
PHY-200	General Physics I	



# LIBERAL ARTS AND SCIENCES

## Social Processes

One course from the following: . . . . .3  
 AMS-304 Technology and Science  
                   in America  
 PHL-320 Philosophy of Science  
 SOC-225 Population Study

## Advanced Marine Science

One course from the following: . . . . .3-4  
 MAR-380 The Learning and Teaching of  
                   Marine Science  
 MAR-480 Senior Thesis  
 MAR-490 Independent Research  
                   and Study

## Requirements for Liberal Studies: Marine Ecological Emphasis Major (49-50 semester hours)

The Marine Ecological Emphasis program is designed primarily as a second major for students in the School of Education interested in teaching science in elementary schools. This program is not designed to prepare students for further study in science disciplines at the graduate or professional level.

## Biology

BIO-115 Principles of Biology . . . . .4  
 BIO-272 Introduction to Marine  
                   Biology . . . . .3  
 BIO-272L Marine Biology Lab . . . . .1

## Chemistry

CHE-120 Principles of Chemistry . . . . .3  
 CHE-121 Principles of Chemistry Lab 1

## Geological and Marine Sciences

ENV-200 Statistical and Computer  
                   Applications in the Natural  
                   Sciences . . . . .4  
 GEO-100 Earth Systems Science . . . . .3  
 GEO-102 Earth Materials and Processes  
                   Lab . . . . .1  
 MAR-120 Oceanography . . . . .3  
 MAR-121 Introductory Oceanography  
                   Lab . . . . .1  
 MAR-225, Introduction to Marine Field  
 227, 228 Science . . . . .4  
 or 229  
 MAR-380 The Learning and Teaching of  
                   Marine Science . . . . .3  
 MAR-401 Marine Ecology . . . . .4

## Mathematics

MTH-105 Algebra and Trigonometry  
 or 210 Calculus I . . . . .4

## Physics

PHY-100 Principles of Physics I . . . . .3  
 PHY-100L Principles of Physics I Lab . .1

## Electives

Two electives including one at the 300 level  
 or above . . . . .7-8  
 BIO-320 Marine Botany  
 BIO-350 General Ecology  
 BIO-372 Behavior of Marine Organisms  
 CHE-122 Introduction to Chemical  
                   Systems  
 and 123 Quantitative Methods Lab  
 ENV-375 Environmental  
                   Biogeochemistry  
 GEO-201 Elements of Mineralogy  
 GEO-306 Sedimentology  
 MAR-225, Introduction to Marine Field  
                   Science  
 227, 228 (A second Marine Field  
 or 229 Science course)

MAR-325 Marine Vertebrates: Fish to  
 Mammals

MAR-330 Chemical Oceanography

MAR-340 Marine Processes

and Environments: Seminar

MAR-360 Plankton Ecology

MAR-410 Physical Oceanography

PHY-101 Principles of Physics II

and 101L Principles of Physics II Lab

## Honors Program in Environmental Science, Geosciences, or Marine Sciences

The honors program in environmental science, geosciences, or marine sciences is awarded in recognition of majors who have demonstrated outstanding academic ability. Enrollment in the program is by invitation of the department faculty. Eligibility requirements include maintenance of at least a minimum GPA of 3.5 in courses required for the major and satisfactory completion of a senior thesis. In addition, an honors candidate must maintain an overall GPA of 3.0.

## Global and Multinational Studies Requirements for the Major (39 semester hours)

## Foundation Courses

Three courses from the following: . . . . .9  
 GMS-180 International Dimensions of an  
                   Integrated World  
 GMS-200 The Social Construction of  
                   Global Society  
 GMS-201 The Politics of the Global  
                   Economy  
 POL-215 Global Politics

## Tracks

At least one POL course from tracks I, II and III below plus five elective courses (a minimum of five courses must be at the 300 level or above) . . . . .24

## I. Global Communications and Institutions

COM-252 Intercultural Communication  
 COM-393 International Communication  
 POL-210 Public Opinion  
 POL-219 Terrorism, Revolution and  
                   Political Violence  
 POL-295 Special Projects in Political  
                   Science: Model United Nations  
 POL-306 Political Film  
 POL-307 Political Communication

## II. Regional Studies

ECO-315 Comparative Economic Systems  
 ECO-365 The Post-Soviet Economy and  
                   U.S. Business  
 HIS-274 Modern Russia  
 HIS-281 The Modern Middle East  
 HIS-283 Modern Latin America  
 HIS-284 Caribbean History  
 HIS-286 Modern East Asia  
 HIS-287 China in Revolution  
 HIS-288 African History  
 HIS-339 Women in East Asia  
 POL-216 Comparative Political Systems  
 POL-218 The Pacific Rim in the 21st  
                   Century  
 POL-255 European Politics  
 POL-320 Politics of the Middle East  
 POL-340 Modern Democracy and Its  
                   Critics  
 POL-365 Third World Politics  
 SOC-270 Africa  
 SOC-271 Europe  
 SOC-309 Peasant Society  
 SOC-341 Developing Societies  
 SOC-350 Social Policy

## III. International Relations

FIN-308 International Finance  
 HIS-311 American Foreign Relations  
                   since 1900  
 HIS-355 History of the 20th-Century  
                   Diplomacy  
 POL-215 Global Politics\*  
 POL-219 Terrorism, Revolution and  
                   Political Violence  
 POL-295 Special Projects in Political  
                   Science: Model United Nations  
 POL-315 Global Issues  
 POL-350 U.S. Foreign and Security Policy

\*If taken as a foundation course, another political science course from this area must be taken.

# LIBERAL ARTS AND SCIENCES

## IV. Language and Culture

Two courses in the foreign language department at the 200 level or above. One course must be in foreign language, the other may be in culture or foreign language . . . . .6

Beyond the one course required, students may specialize in this track. However, any courses taken must be in the same language and culture track. Therefore, if a student takes a French course, all subsequent language or culture courses must also be in French (FRE-311, 312, 313, GER-310, 312, 313, LIT-330, SPA-310, 311, 312, 313, 314, 315)\*.

\*Study Abroad courses fulfill the language and culture requirement and in addition count as two courses toward the major.

**Note:** For qualified students, BHP courses may be substituted in consultation with the department chairperson.

## Requirements for the Minor (21 semester hours)

### Foundation Courses

- Three courses from the following: . . . . .9
- GMS-180 International Dimensions of an Integrated World
  - GMS-200 The Social Construction of Global Society
  - GMS-201 The Politics of the Global Economy
  - POL-215 Global Politics

### Tracks

One course each from tracks I, II and III. Of these, at least one must be a POL course . . . . .9

## I. Global Communications and Institutions

- COM-252 Intercultural Communication
- COM-393 International Communication
- POL-210 Public Opinion
- POL-219 Terrorism, Revolution and Political Violence
- POL-295 Special Projects in Political Science: Model United Nations
- POL-306 Political Film
- POL-307 Political Communication

## II. Regional Studies

- ECO-315 Comparative Economic Systems
- ECO-365 The Post-Soviet Economy and U.S. Business
- HIS-274 Modern Russia
- HIS-281 The Modern Middle East
- HIS-283 Modern Latin America

- HIS-284 Caribbean History
- HIS-286 Modern East Asia
- HIS-287 China in Revolution
- HIS-288 African History
- HIS-339 Women in East Asia
- POL-216 Comparative Political Systems
- POL-218 The Pacific Rim in the 21st Century
- POL-255 European Politics
- POL-320 Politics of the Middle East
- POL-328 Environmental Policy
- POL-340 Modern Democracy and Its Critics
- POL-365 Third World Politics
- SOC-270 Africa
- SOC-271 Europe
- SOC-309 Peasant Society
- SOC-341 Developing Societies
- SOC-350 Social Policy

## III. International Relations

- FIN-308 International Finance
- HIS-311 American Foreign Relations since 1900
- HIS-355 History of the 20th-Century Diplomacy
- POL-215 Global Politics\*
- POL-219 Terrorism, Revolution and Political Violence
- POL-295 Special Projects in Political Science: Model United Nations
- POL-315 Global Issues
- POL-350 U.S. Foreign and Security Policy

\*If taken as a foundation course, another political science course from this area must be taken.

## IV. Language and Culture

One course in the foreign language department at the 200 level or above. The course may be in a foreign language or culture . . .3

## HISTORY Requirements for the Major (36-39 semester hours)

- History**
- HIS-110 Seminar in History\* . . . . .3
- HIS-208 U.S. I: American History from European Settlement through Reconstruction . . . . .3
- HIS-209 U.S. II: American History from Reconstruction to the Present .3
- HIS-214 Europe to 1715
- or 215 Europe since 1715 . . . . .3
- HIS-360 Seminar in Historiography . . .3
- HIS-460 History and Historical Method . . . . .3

Two from the following diversity courses: .6

- HIS-201 African American History
- HIS-269 Women in Europe from Antiquity to the French Revolution
- HIS-280 Vietnam in Peace and War
- HIS-281 The Modern Middle East
- HIS-282 Colonial Latin America
- HIS-283 Modern Latin America
- HIS-284 Caribbean History
- HIS-285 Traditional China and Japan
- HIS-286 Modern East Asia
- HIS-287 China in Revolution
- HIS-288 African History
- HIS-289 History of Modern Japan
- HIS-295 Native American History
- HIS-309 Women in American History
- HIS-339 Women in East Asia

## Electives

Five history courses above the HIS-250 level . . . . .15

\*Required for freshmen only.

History majors are urged to take minors pertinent to their career aspirations as well as to their interests. Thus, philosophy (emphasis on logic and language) and English (expository writing and close reading) are fine minors for pre-law students; sociology, political science, psychology, economics, and law and justice also are suitable for pre-law, and appropriate for those considering management, politics, or public service.

## Requirements for the Minor (21 semester hours)

For students in SLAS: HIS-150 World History to 1500 and 151–World History since 1500; plus five history electives, including four upper-level courses (HIS-250 to 490). For students in the College of Business Administration and the School of Education: seven courses in history, including three lower-level (HIS-150 to 249) and four upper-level courses (HIS-250 to 490).

## Honors Program in History

Students with a 3.25 cumulative grade point average and 3.5 grade point average in history can qualify for honors by completing an honors thesis in HIS-460 History and Historical Method or an Independent Study. Students present a written proposal of their project no later than the beginning of the semester in which they take these courses. The finished thesis must be defended in an oral presentation to the history faculty and must meet departmental standards of excellence in research, writing, and analysis. Successful students receive recognition of honors in history on their diplomas.

# LIBERAL ARTS AND SCIENCES

## LAW AND JUSTICE

### Requirements for the Minor

(Students may choose a concentration in either legal studies or criminal justice.)

### Requirements for the Legal Studies Concentration

(21 semester hours)\*

### Multi-disciplinary Approaches to Law

#### Category I\*\*

At least three courses from the following:  
.....9-15

#### Baccalaureate Honors

- BHP-130 Honors Seminar:  
Law and the Arts  
BHP-322 Honors Seminar: The Guilty  
and the Innocent: Assessing  
Blame and Determining  
Punishment in Literature  
and Law

#### Business Policy

- BUS-210 Introduction to Law: Contracts  
BUS-211 Commercial Law  
BUS-214 Advanced Business Law  
BUS-300 Social and Legal Environment  
of Business  
BUS-315 Health Care Law, Ethics,  
and Policy  
BUS-444 Selected Topics in Business  
Policy and Environment

#### Communication

- COM-301 Communication Law

#### History

- HIS-301 Constitutional History of the  
United States

### Law and Justice Interdisciplinary Courses

- LAW-140 Introductory Seminar in Law  
and Justice  
LAW-150 Introduction to Forensics  
LAW-204 Law, Literature, and Film in  
America  
LAW-304 Women and Law  
LAW-305 Trial Advocacy  
LAW-306 Law and Justice Experience  
LAW-307 Criminal Justice Practice  
LAW-308 Conflict and Conflict  
Resolution  
LAW-310 Cyberspace Law and Policy  
LAW-355 Sports and the Law  
LAW-365 Rights of the Accused  
LAW-395 Selected Topics in Law and  
Justice  
LAW-405 Crime and Justice in the Media

- LAW-490 Independent Research  
and Study  
LAW-491 Internship in Law and Justice  
LAW-496 Honors Thesis in Law and  
Justice

### Management and Human Resources

- MGT-313 Legal Aspects of Human  
Resource Management

### Philosophy

- PHL-303 Philosophy of Law

### Political Science

- POL-260 Politics of Law and Order  
POL-300 U.S. Constitutional Law  
POL-301 Civil Liberties in the United  
States

### Psychology

- PSY-279 Psychology and Law

### Sociology

- SOC-317 Law and the Legal Profession  
SOC-319 Criminal Justice  
and Corrections

### Category II Law-Related Courses

A maximum of two courses from the  
following: .....0-6

### Communication

- COM-251 Interpersonal Communication  
COM-252 Intercultural Communication  
COM-302 Communication Ethics  
COM-322 Argumentation and Debate

### Management and Human Resources

- MGT-312 Introduction to Labor  
Relations

### Philosophy

- PHL-115 Ethics  
PHL-202 Social Philosophy  
PHL-203 Business Ethics  
PHL-255 American Ethics  
PHL-360 Contemporary Ethics

### Political Science

- POL-326 Power in American Politics  
POL-327 Contemporary Issues in  
American Public Policy  
POL-361 The Judicial Process

## Sociology

- SOC-206 Deviance and Crime  
SOC-216 Youth and Crime  
SOC-340 Power and Politics  
SOC-350 Social Policy

### Category III Theory/Application

One course from the following: .....3

- LAW-305 Trial Advocacy  
LAW-306 Law and Justice Experience  
LAW-307 Criminal Justice Practice  
LAW-308 Conflict and Conflict  
Resolution

### Electives+

- LAW-490 Independent Research  
and Study  
LAW-491 Internship in Law and Justice  
LAW-496 Honors Thesis in Law and  
Justice

### Category IV Senior Seminar

- LAW-450 Law and Justice Senior  
Seminar .....3

(Required for all seniors in the minor)

\*No more than three courses from the  
same department may be counted  
toward the minor.

\*\*Students may take six additional cred-  
its from category I instead of category  
II.

+These courses may count toward cate-  
gory III only with the permission of the  
director of the program.

++No LAW course may be used more  
than once to fulfill minor requirements.

### Requirements for the Criminal Justice Concentration

(21 semester hours)\*

#### Category I\*\*

### Multi-disciplinary Approaches to Crime and Justice

At least three courses from the  
following: .....9-15

#### Baccalaureate Honors

- BHP-130 Honors Seminar:  
Law and the Arts  
BHP-322 Honors Seminar: The Guilty  
and the Innocent: Assessing  
Blame and Determining  
Punishment in Literature  
and Law

# LIBERAL ARTS AND SCIENCES

## Law and Justice

### Interdisciplinary Courses

LAW-140	Introductory Seminar in Law and Justice
LAW-150	Introduction to Forensics
LAW-204	Law, Literature and Film in America
LAW-304	Women and Law
LAW-305	Trial Advocacy
LAW-306	Law and Justice Experience
LAW-307	Criminal Justice Practice
LAW-308	Conflict and Conflict Resolution
LAW-310	Cyberspace Law and Policy
LAW-355	Sports and the Law
LAW-365	Rights of the Accused
LAW-395	Selected Topics in Law and Justice
LAW-405	Crime and Justice in the Media
LAW-490	Independent Research and Study
LAW-491	Internship in Law and Justice
LAW-496	Honors Thesis in Law and Justice

## Political Science

POL-260	Politics of Law and Order
POL-361	The Judicial Process

## Psychology

PSY-279	Psychology and Law
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## Sociology

SOC-206	Deviance and Crime
SOC-216	Youth and Crime
SOC-319	Criminal Justice and Corrections

## Category II

### Crime and Justice Related Courses

A maximum of two courses from the following: . . . . .0-6

## Communication

COM-251	Interpersonal Communication
COM-252	Intercultural Communication
COM-322	Argumentation and Debate

## Philosophy

PHL-303	Philosophy of Law
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## Political Science

POL-235	Race and Ethnicity in American Politics
POL-300	U.S. Constitutional Law
POL-301	Civil Liberties in the U.S.
POL-325	Public Administration
POL-335	Urban Politics

## Psychology

PSY-220	Abnormal Psychology
PSY-365	Drugs and Human Behavior

## Sociology

SOC-205	Families
SOC-207	Racial and Ethnic Relations
SOC-308	Cities and Suburbs
SOC-317	Law and the Legal Profession
SOC-340	Power and Politics
SOC-350	Social Policy

## Category III Theory/Application

One course from the following: . . . . .3	
LAW-305	Trial Advocacy
LAW-306	Law and Justice Experience
LAW-307	Criminal Justice Practice
LAW-308	Conflict and Conflict Resolution

## Electives+

LAW-490	Independent Research and Study
LAW-491	Internship in Law and Justice
LAW-496	Honors Thesis in Law and Justice

## Category IV Senior Seminar

LAW-450	Law and Justice Senior Seminar . . . . .3
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(Required of all seniors in the minor)

\*No more than three courses from the same department may be counted toward the minor.

\*\*Students may take six additional credits from category I instead of category II.

+These courses may count toward category III only with the permission of the director of the program.

++No LAW course may be used more than once to fulfill minor requirements.

## MATHEMATICS Requirements for the Major (50 semester hours)

### Mathematics

MTH-210, Calculus I, II, III . . . . .12	
211, 212	
MTH-240 Linear Algebra . . . . .3	
MTH-250 Differential Equations . . . . .3	
MTH-308 Advanced Calculus . . . . .3	
MTH-315 Modern Geometry . . . . .3	
MTH-340 Probability and Statistical Analysis I . . . . .3	
MTH-401 Modern Algebra . . . . .3	
MTH-410 Complex Analysis . . . . .3	
Three 400-level mathematics	
electives or one 300-level and two	
400-level mathematics electives . . . . .9	

## Physics

PHY-200	General Physics I . . . . .4
PHY-201	General Physics II . . . . .4

Mathematics majors must attain a B average in Calculus I and II in order to take advanced mathematics courses.

## Requirements for the Minor (24 semester hours)

MTH-210, Calculus I, II, III . . . . .12	
211, 212	
Four mathematics courses above the	
MTH-212 level . . . . .12	

## Honors Program in Mathematics

Superior students majoring in mathematics may participate in a program leading to graduation with honors in mathematics. A candidate must submit written application by March 1 of the junior year to the departmental honors committee. Admission to the program will be based on a 3.25 cumulative average in mathematics courses taken in the first five semesters and sponsorship by a member of the departmental faculty. During the senior year, the student will be enrolled in MTH-490 Independent Research and Study. Honors in mathematics is based on earning a 3.4 average in seven mathematics courses at the 300 and 400 levels (excluding MTH-490) and an acceptable senior thesis. Further information on the program can be obtained from the department.

## Multicultural Studies Requirements for the Minor (21 semester hours)

### Multicultural Studies

MCS-110	Race, Class, and Gender in Contemporary American Society . . . . .3
MCS-220	Issues in Multicultural Studies . . . . .3

## Electives

Five courses from the following three groups, chosen in consultation with the director . .15

### Multicultural Studies

MCS-280	Directed Readings in Multicultural Studies
MCS-491	Internship in Multicultural Studies



# LIBERAL ARTS AND SCIENCES

## Electives Emphasizing Multiculturalism within the United States

AMS-210	Growing Up American
AMS-212	American Ethnic Groups: Irish, Jewish, and Italian Americans
AMS-227	The Philosophy of Martin Luther King, Jr.
AMS-228	Studies in American Jewish Culture
COM-252	Intercultural Communication
ENG-228	Black American Literature
ENG-229	Multi-Ethnic Literature in America
HIS-201	African American History
HIS-307	The Immigrant in American Life
MGT-320	Managing Workforce Diversity
POL-235	Race and Ethnicity in American Politics
SOC-207	Racial and Ethnic Relations
SOC-272	Indians of North America

## Electives Providing Background and Context

HIS-281	The Modern Middle East
HIS-283	Modern Latin America
HIS-284	Caribbean History
HIS-286	Modern East Asia
HIS-287	China Revolution
HIS-288	African History
HIS-339	Women in East Asia
PHL-207	Asian Philosophy
POL-320	Politics of the Middle East
PSY-373	Psychology and the Holocaust
SOC-270	Africa
SPA-311	Latin American/Latino Culture
SPA-325	Introduction to Latin American/Latino Literature
SPA-426	Latin American/Latino Film and Fiction

## PHILOSOPHY Requirements for the Major (37 semester hours)

### Philosophy

PHL-100	Plato and Aristotle	.3
PHL-115	Ethics	.3
PHL-210	Symbolic Logic	.3
PHL-225	Modern Philosophy	.3
PHL-494	Preparation and Research for Senior Philosophy Thesis	.1
PHL-495	Senior Philosophy Thesis	.3
	One 400-level philosophy seminar	.3
	Four philosophy electives at the 300 level or above	.12
	Two philosophy electives at any level	.6

## Requirements for the Minor (18 semester hours)

PHL-100	Plato and Aristotle	.3
	One 400-level philosophy seminar	.3
	Four philosophy electives, including one at the 300-level or above	.12

## Requirements for the Ethics Minor (18 semester hours)

PHL-115	Ethics	.3
PHL-360	Contemporary Ethics	.3
	One 400-level philosophy seminar	.3
	Three philosophy electives including one at the 300-level or above	.9

## Honors Program in Philosophy

Honors in philosophy may be achieved, upon the recommendation of the department, by earning a 3.5 cumulative average in the discipline and completing the senior thesis with distinction.

## PHYSICS Requirements for the Major (58-59 semester hours)

### Physics

PHY-200	General Physics I	.4
PHY-201	General Physics II	.4
PHY-203	Introduction to Modern Physics	.3
PHY-300	Mechanics	.3
PHY-305	Electricity and Magnetism	.3
PHY-315	Thermodynamics and Statistical Mechanics	.3
PHY-320	Quantum Mechanics	.3
	Four physics electives at the 300-level or above	.11-12

### Mathematics

MTH-210	Calculus I, II, III	.12
	211, 212	
MTH-240	Linear Algebra	.3
MTH-250	Differential Equations	.3
MTH-308	Advanced Calculus	.3
MTH-410	Complex Analysis	.3

## Requirements for the Minor (20 semester hours)

PHY-200	General Physics I	.4
PHY-201	General Physics II	.4
PHY-203	Introduction to Modern Physics	.3
PHY-300	Mechanics	.3
PHY-305	Electricity and Magnetism	.3
	One other 300- or 400-level physics course	.3

## Honors Program in Physics

The honors program in physics is a special program that includes intensive experience in a forefront area of research in physics or astronomy. This program is available to students who have demonstrated outstanding academic ability and admission is gained only by invitation of the physics faculty. Eligibility requirements include maintaining a minimum 3.25 average in physics as well as a cumulative 3.25 average. A written senior thesis is required as well as an oral presentation to the physics faculty.

## POLITICAL SCIENCE Requirements for the Political Science Major (39 semester hours)

### Political Science

POL-100	Introduction to American Politics*	.3
POL-102	Understanding Politics*	.3
	One course from each of the following four subfields	.12

### Political Theory

POL-239	Political Thinkers and Political Thought	
POL-340	Modern Democracy and Its Critics	
POL-342	Freedom and Authority	
POL-343	American Political Thought I	

### American Politics

POL-235	Race and Ethnicity in American Politics	
POL-305	Political Parties and Electoral Behavior	
POL-312	Congressional Politics	
POL-313	The American Presidency	

### Law and Public Policy

POL-300	U.S. Constitutional Law	
POL-301	Civil Liberties in the United States	
POL-325	Public Administration	
POL-326	Power in American Politics	

## Comparative Politics/International Relations

POL-215	Global Politics	
POL-216	Comparative Political Systems	
POL-225	Nationalism in World Politics	
POL-365	Third World Politics	
	Six political science electives, four of which must be at the 300 or 400 level	.18

# LIBERAL ARTS AND SCIENCES

One course from the following 400-level courses: . . . . .3

- POL-450 Seminar in Political Science
- POL-490 Independent Research and Study
- POL-491 Internship in Political Science

\*Must be taken in the freshman year.

## Requirements for the Minor

(21 semester hours)

- POL-100 Introduction to American Politics . . . . .3
- POL-102 Understanding Politics . . . . .3
- Five political science electives, three of which must be at the 300-level . . . .15

## Pre-Law Concentration in Political Science

Courses offered under the pre-law concentration consider such subjects as the nature of law and legal reasoning, constitutional and statutory interpretation, the operation of the federal and state judicial systems, the operation of the criminal justice system, the development and application of the law of civil rights and civil liberties, and the interaction of legal and political considerations in the development and administration of public policy. Students majoring in political science with a pre-law concentration are assigned to work with the department's pre-law advisor.

## Honors Program in Political Science

Majors who have completed eight courses in political science with a cumulative average of 3.5 may request candidacy for graduation with honors in political science. Students should submit to the chairperson of the department, early in their sixth semester (March 15 or October 15), an Independent Research and Study (490) project signed by a faculty sponsor and approved by the department. Applicants enroll in Political Science 490 in their seventh semester to develop a thesis proposal. Upon approval, the honors candidate will enroll in Political Science 499-Senior Honors Thesis, for six credits, in the last semester. A substantive research work should be presented no later than April 1 or November 1 before a committee made up of the thesis advisor and two faculty members approved by the department. Honors in political science are awarded upon the successful completion and defense of the thesis.

## POLITICAL COMMUNICATION Requirements for the Minor

(21 semester hours)

- POL-307 Political Communication . . . .3

## Communication

Three courses from the following: . . . . .9

- COM-105 Mass Media Communication\*
- COM-205 Theories of Persuasion\*
- COM-322 Argumentation and Debate
- COM-390 Communication and Society: The American First Lady or The Making of the President
- COM-391 Communication Criticism
- COM-393 International Communication

## Political Science

Three courses from the following: . . . . .9

- GMS-180 International Dimensions of an Integrated World
- POL-210 Public Opinion
- POL-230 Methods of Political Analysis
- POL-247 Political Campaigning
- POL-295 Special Project: National Model United Nations\*\*
- POL-295 Special Project: Presidential Election Poll\*\* (only offered in presidential election years)
- POL-301 Civil Liberties in the United States
- POL-305 Political Parties and Electoral Behavior
- POL-306 Political Film
- POL-313 The American Presidency
- POL-315 Global Issues

## Recommended course

One course from the following: . . . . .0-4

- COM-490 Independent Research and Study
- COM-491 Internship in Communication
- POL-490 Independent Research and Study
- POL-491 Internship in Political Science

\*May not be counted toward the minor by communication majors.

\*\*Only one special project may be counted toward the minor.

## PSYCHOLOGY

### Requirements for the Major

(37-46 semester hours)

### Psychology

- PSY-100 Introduction to Psychology . .3
- PSY-201 Statistics and Research Design 3

### Upper Division Methods Courses

One course from the following: . . . . .4

- PSY-302 Research in Cognition
- PSY-303 Research in Social Psychology
- PSY-335 Research in Human Cognitive Neuroscience
- PSY-336 Experimental Methods: Animal Learning and Behavior
- PSY-340 Group Dynamics
- PSY-350 Research in Developmental Psychology

### Lower Level

Four courses from at least three different areas: . . . . .12

### Applied

- PSY-237 Cognitive Disabilities
- PSY-279 Psychology and Law

### Adjustment and Psychopathology

- PSY-220 Abnormal Psychology

### Personality and Social

- PSY-215 Personality
- PSY-218 Psychology of Women
- PSY-240 Social Psychology

### Human Development

- PSY-230 Developmental Psychology I: Child
- PSY-231 Developmental Psychology II: Youth-Adolescent

### Cognition

- PSY-225 Learning and Memory
- PSY-235 Cognitive Development

### Biological Foundations

- PSY-238 Sensation and Perception
- PSY-255 Biopsychology

## Upper Level

Four courses from the following: . . . .12

PSY-305	Theories of Psychotherapy
PSY-312	Behavior Modification
PSY-315	Psychological Tests
PSY-330	Developmental Disabilities
PSY-333	Autism Spectrum Disorders
PSY-365	Drugs and Human Behavior
PSY-370	Sociobiology
PSY-372	States of Consciousness
PSY-373	Psychology and The Holocaust
PSY-374	Psychology of the Family
PSY-375	Psychology and Film
PSY-380	Multimedia Technology for Behavioral Science
PSY-381	The Psychology of Gender
PSY-382	Aging, Brain and Cognition

## Capstone Experience

Choose one capstone experience from the following: . . . . .3-12

## Applied Experience

EDU-465	Student Teaching and Seminar
PSY-491	Internship in Psychology

## Foundations of Psychology

PSY-400	Senior Seminar in Psychology
PSY-420	History of Psychology
PSY-490	Independent Research and Study

## Electives\*

PSY-295	Directed Study in Psychology
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\*Does not satisfy requirements for the major.

## Requirements for the Minor

(18 semester hours)

PSY-100	Introduction to Psychology .3
Five psychology electives, including three at the 300 level or above . . . .15	

## Honors Program in Psychology

A student may receive honors in psychology by fulfilling the following conditions beyond the basic requirements for the psychology major: complete one Independent Research and Study project (490); earn a cumulative average of 3.25 and an average of 3.5 in psychology at the time of graduation.

## RUSSIAN AREA STUDIES Requirements for the Minor

(21 semester hours)\*

RUS-200,	Russian III, IV+ . . . . .6
201	
IND-401	Seminar in Russian Area Studies
or	
RUS-490	Independent Research and Study . . . . .3

Four courses from the following, at least one from each group: . . . . .12

HIS-273	Imperial Russia
HIS-274	Modern Russia
HIS-314	History of Socialism
LIT-310	Russian Literature from 988–1850
LIT-311	Russian Literature from 1850–1917
LIT-312	20th-Century Russian Literature
LIT-313	Contemporary Russian Literature
LIT-315	Tolstoy
LIT-317	Dostoevsky
LIT-330	Russian Culture

## Optional Course

ECO-365	The Post-Soviet Economy and U.S. Business
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\*Of the 21 credit hours required, at least one course must be taken in two different disciplines--Russian literature and Russian history, unless they are requirements for the student's major.

+Language courses may be waived upon demonstrated proficiency. One or two other courses must be substituted from any of the above.

## SOCIOLOGY Requirements for the Major

(45 semester hours)

### Sociology

SOC-101	The Sociological Imagination. . . . .3
SOC-201	Introductory Seminar in Sociology . . . . .3
SOC-301	Methods of Sociological Research . . . . .3
SOC-314	Social Theory . . . . .3
SOC-400	Senior Seminar in Sociology .3

Three courses from the following: . . . .9

SOC-311	Social and Cultural Change
SOC-315	Issues in Modern Social Theory
SOC-317	Law and the Legal Profession
SOC-330	Social Inequality

SOC-340	Power and Politics
SOC-355	Interpersonal Relations
Six sociology electives . . . . .18	

### Statistics

MTH-120	Introduction to Applied Statistics
or	
POL-230	Methods of Political Analysis . . . . .3

Seniors planning to attend graduate school should take the Graduate Record Examination, including the Advanced Test in Sociology.

## Requirements for the Minor

(21 semester hours)

SOC-101	The Sociological Imagination . . . . .3
Two courses from the following: . . . . .6	
SOC-201	Introductory Seminar in Sociology
SOC-300	Work and Occupations
SOC-311	Social and Cultural Change
SOC-315	Issues in Modern Social Theory
SOC-317	Law and the Legal Profession
SOC-330	Social Inequality
SOC-340	Power and Politics
SOC-355	Interpersonal Relations
Four sociology electives . . . . .12	

## Honors Program in Sociology

Honors in sociology may be achieved by earning a 3.5 cumulative average in the discipline and completing, through honors in sociology (496), a senior honors thesis with distinction.

## Social Work Requirements for the Minor

(18-21 semester hours)

SOW-200	Social Services and Social Work: An Introduction . . . .3
SOW-300	Methods of Social Work Practice . . . . .3
SOW-301	Field Work Experience . .3-6

One course from each of the following two groups: . . . . .6

SOC-205,	Families
248	Social Service Organizations
or 350	Social Policy

PSY-230	Developmental Psychology I--Child
or 231	Developmental Psychology II--Youth-Adolescent

One additional course in an area of concentration relevant to social work . . . . .3

# College of Continuing Studies

Undergraduate Academic Catalog • 06/07

[www.rider.edu](http://www.rider.edu)



# CONTINUING STUDIES

## 2006-2007 CALENDAR

### FALL SEMESTER 2006

#### September

- 6 **Wednesday**  
5-7 p.m.  
Audit and late registration  
Alumni audit registration  
All evening and day classes  
begin except eight-week  
evening classes
- 6-12 **Wednesday-Tuesday**  
Schedule changes (add/drop)
- 8-10 **Friday-Sunday**  
Weekend College- first class week  
end
- 11-14 **Monday-Thursday**  
Eight-week evening classes begin
- 13-19 **Wednesday-Tuesday**  
Schedule changes (drop only)

#### October

- 1 **Sunday**  
December 2006 degree  
applications due
- 16 **Monday**  
Registration for spring 2007  
semester begins

#### November

- 22-26 **Wednesday-Sunday**  
No evening or Weekend College  
classes  
Thanksgiving recess
- 27 **Monday**  
Classes resume

#### December

- 7 **Thursday**  
Evening classes end
- 8 **Friday**  
Day classes end
- 10 **Sunday**  
Weekend College classes end
- 11-17 **Monday-Sunday**  
Evening/Weekend College final  
exams
- 15 **Friday**  
Spring and summer 2007 degree  
applications due

#### January 2007

- 26 **Friday**  
Deadline for make-up of fall  
semester incomplete grades

### Fall 2006 Withdrawal Dates

- September 20-October 24  
Withdrawal, student discretion

- October 25-November 21  
Withdrawal, consent of instructor
- November 22-December 8  
Withdrawal, psychological or  
physiological incapacity

### SPRING SEMESTER 2007

#### January

- 22 **Monday**  
All evening and day classes begin
- 22 **Monday**  
5-7 p.m.  
Audit and late registration  
Alumni audit registration
- 22-28 **Monday-Sunday**  
Schedule changes (add/drop)
- 26-28 **Friday-Sunday**  
Weekend College  
– first class weekend
- 29-Feb. 2 **Monday-Friday**  
Schedule changes (drop only)

#### March

- 12-18 **Monday-Sunday**  
Spring recess begins
- 19 **Monday**  
Classes resume
- 26 **Monday**  
Registration for summer and fall  
semester begins

#### April

- 26 **Thursday**  
Evening classes end
- 27 **Friday**  
Day classes end
- 29 **Sunday**  
Weekend College classes end
- 30-May 6 **Monday-Sunday**  
Evening/Weekend College  
final exams

#### May

- 11 **Friday**  
Commencement

#### June

- 8 **Friday**  
Deadline for make-up of spring  
semester incomplete grades

### Spring 2007 Withdrawal Dates

- February 5-March 9  
Withdrawal, consent of instructor
- March 12-April 13  
Withdrawal, consent of instructor
- April 16-April 22  
Withdrawal, psychological or  
physiological incapacity  
For the complete policy on Course  
Withdrawals, see page 164.

## SUMMER SESSION

Students interested in calendar and course offerings for the summer sessions may access information at [www.rider.edu/summer](http://www.rider.edu/summer). The summer sessions are coordinated by the College of Continuing Studies.

## Academic Opportunities

Rider's commitment to the part-time student is as old as Rider itself. Established as a business school in 1865 to meet the needs of returning Civil War veterans, it included an evening program for people unable to attend during the day. Rider expanded over the years, and by 1962 the School of Business Administration, the School of Education and Human Services, the School of Liberal Arts and Science, and the Evening School had been established. In 1992, Westminster Choir College of Princeton merged with Rider to become Westminster Choir College, The School of Music of Rider College. In 1994, Rider was designated a teaching university by the NJ Board of Higher Education.

Recognizing that learning is a lifelong process and that part-time students need a variety of learning opportunities, Rider established the School for Continuing Studies in 1978, incorporating the Evening School. Students enroll in Continuing Studies for a variety of reasons: to earn degrees; to learn more about our complex society; to use expanding leisure time, to update or upgrade professional skills; or to prepare for graduate school, certification, or career changes. Continuing Studies programs are responsive to all of these needs.

Students participating in the programs offered by Continuing Studies have various educational backgrounds and educational goals. Many enroll with high school backgrounds, while others bring college credits, undergraduate degrees, or even graduate degrees. Students enroll to earn associate's or bachelor's degrees; to develop their professional capabilities; to prepare for graduate study; and to enrich their personal lives.

# CONTINUING STUDIES

## Weekend College and Alternate Formats

Through study in the Weekend College, adult students may enroll in classes scheduled on Friday evening, Saturday morning, Saturday afternoon, or Sunday morning. Most classes meet every other weekend.

Admission to the Weekend College requires enrollment in CCS, admission to a degree program (or prior completion of a baccalaureate degree), completion of at least 15 college credits, a 2.5 GPA, and the approval of the CCS assistant dean or academic coordinator.

Weekend College study encourages independent and self-directed learning. The format and instructional methodology of weekend courses differ from those employed in weekday and evening classes.

In addition, CCS offers courses which meet on alternate weeks a maximum of eight evenings during the semester. The same admissions procedures as Weekend College are required for students interested in this format.

## Summer Session

Administered by CCS, the summer session provides students with an opportunity to enrich their personal or professional backgrounds; to complement work taken during the fall and spring semesters; and to accelerate their college programs.

Additional information about the summer session, including course offerings and application information, is available in the summer session catalog. Inquiries about the summer session should be directed to CCS, 609-896-5033.

## Degrees Offered

All College of Continuing Studies (CCS) degrees may be earned by attending classes offered during the evening, day or weekends. See section titled Weekend College and Alternate Formats above.

The bachelor's and associate's degree programs offer students a unified body of course work, culminating in a recognized credential. Through CCS, the part-time student can earn the Bachelor of Arts degree in liberal studies, the Bachelor of Science degree in chemistry and the Bachelor of Science in Business Administration in eight areas. Students completing any of these bachelor degree

programs may seek additional study at the graduate level. See the section titled Office of Graduate Admissions for more information.

The Bachelor of Science in Business Administration is conferred by the College of Business Administration. Within this degree program, students can choose from majors in accounting, advertising, business administration, computer information systems, finance, human resource management, management and organizational behavior, and marketing.

Students may also seek an associate's degree, either as a goal in itself or as an intermediate step toward a bachelor's degree. Associate's degrees may be earned in business administration and general studies.

See the section titled Undergraduate Degree Programs for degree requirements.

## Undergraduate Degree Programs

### BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION (B.S.B.A.)

#### Common Curriculum Requirements

All students in business administration are required to take courses in business and nonbusiness subjects. The purpose of these courses is to provide exposure in areas significant in the conduct of business, social, and political affairs. Thus, every candidate is required to complete specified courses in English, accounting, management sciences, economics, finance, management and leadership, human resource management, marketing, and two courses each in the natural sciences, social sciences, and the humanities.

Of the 120 semester hours of credit required for graduation, at least 45 semester hours, including the last 30, must be taken at Rider.

### BUSINESS SUBJECTS

(51 semester hours)

#### Business Core

ACC-210	Introduction to Accounting	.3
ACC-220	Managerial Uses of Accounting	.3
FIN-300	Introduction to Finance	.3
MGT-201	Fundamentals of Management and Organizational Behavior	3
MKT-200	Marketing Principles	.3
MSD-340	Production and Operations	.3

BUS-300	Social and Legal Environment of Business	.3
CIS-485	Management Information Systems	.3
BUS-400	Strategic Management and Policy	.3
	+Major Requirements	.18*
	+Electives	.6

\*Accounting majors take eight major courses and one business elective.

+Must include one international business elective, if not part of major.

### Nonbusiness Subjects

(60 semester hours)

#### Nonbusiness Core

MSD-105	Quantitative Methods for Business I	.3
	Natural Science electives	.6
	Humanities electives	.6
	Social Science electives	.6
CMP-120	Expository Writing	.3
CMP-125	Research Writing	
or 203	Literature and Composition	.3
CIS-185	Introduction to Computing	.3
ECO-200	Principles of Macroeconomics	3
ECO-201	Principles of Microeconomics	3
COM-290	Professional and Strategic Speech	.3
MSD-200, 201	Statistical Methods I, II	.6
	+Electives in liberal arts subjects	.15-18**

CMP-115 will be waived for students who attain a 530 or above on the verbal SAT or a specified qualifying score on the English Department Placement Test.

\*\*Upper-level economics courses (300 and 400 levels) may be used as business or free electives only; they may not be used as liberal arts electives. A student may use Intermediate Macroeconomics (ECO-210) or Intermediate Microeconomics (ECO-211) as liberal arts electives, the other course (or both) can be business or free elective.

+ Advertising majors must satisfy this requirement with specified courses (see Requirements for the Major, page 64).

# CONTINUING STUDIES

## LIBERAL ARTS AND SCIENCE ELECTIVES

### Natural Sciences

Biochemistry  
Biology  
Biopsychology  
Chemistry  
Geological and Marine Sciences  
Physics

### Social Sciences

American Studies (some courses)  
Communication  
Gender Studies  
Global and Multinational Studies  
History  
Law and Justice (some courses)  
Multicultural Studies  
Political Science  
Psychology  
Social Work  
Sociology

### Humanities

American Studies (some courses)  
English Literature and Writing  
Law and Justice (some courses)  
Fine Arts  
Foreign Languages and Literatures  
Philosophy

Students also are required to take the following courses in the nonbusiness core: CMP-115 Introduction to Expository Writing\*, CMP-120 Expository Writing, CMP-125 Research Writing, COM-290 Professional and Strategic Speech; ECO-200 Principles of Macroeconomics, ECO-201 Principles of Microeconomics; MSD-105 Quantitative Methods for Business I; MSD-200-201 Statistical Methods I and II.

\*CMP-115–Introduction to Expository Writing will be waived for students who attain a score of 530 or above on the verbal SAT or a specified qualifying score on the English Department Placement Test.

## Free Electives

(9 semester hours)

The minimum requirements in business and nonbusiness subjects normally leave a student with an additional 9\* semester hours that must be completed to satisfy the 120 required for graduation.

Free elective hours may be taken in any department at Rider, provided the student meets the requirements imposed by the department offering the course. Courses from a second major may be used to fill the free elective hours.

\*Note: Accounting majors are required to have 6.

## Global Business Requirement

All CBA students are required to choose an elective course that emphasizes global business dynamics. Courses can be used as either a major, business, or free elective. Students may choose from the following list of courses:

BUS-375	International Business Law
CBA-315	Global Business Study Tour
CBA-490	Independent Study: Global Business
ECO-305	International Trade and Investment
ECO-315	Comparative Economic Systems
ECO-365	The Post-Soviet Economy and U.S. Business
FIN-308	International Finance
MGT-375	International Management
MKT-330	International Marketing

## Major Fields of Study

### ACCOUNTING

The primary objective of the accounting curriculum is to offer courses that will give students a practical and conceptual understanding of accounting methods and techniques, with the ultimate aim of preparing them for continuing education and employment and advancement in the fields of private, public or governmental accounting. Class discussions, selected problems, and assigned and suggested readings are directed toward teaching the student to read, analyze and think critically, to exercise independent judgment, to apply appropriate technology, and to develop an awareness of ethics, social and legal responsibility.

### Requirements for the Major

(24 semester hours)

ACC-302	Cost Management . . . . .	3
ACC-310, 311	Accounting Theory and Concepts I, II . . . . .	6
ACC-320	Accounting Information Systems . . . . .	3
ACC-400	Auditing and Corporate Governance . . . . .	3
ACC-405	Accounting Problems and Practice I . . . . .	3
ACC-406	Accounting Problems and Practice II . . . . .	3
ACC-410	Fundamentals of Federal Taxation . . . . .	3

\*Fall 2005 incoming freshmen must take both ACC-400 and ACC-406. Students admitted prior to Fall 2005 have the option to take either ACC-400 or ACC-406. Students who are accepted into the MAcc

program after 90 credit hours may substitute a required graduate accounting course for ACC-406.

Students desiring to become certified public accountants (CPAs) will be required to have 150 credit hours of education to take the CPA exam in most states. Rider accounting majors may graduate after four years (120 credit hours) or seek to achieve the additional credit hours directly through admission to the master of accountancy (MAcc) program at the University. It is possible to apply to the MAcc program at Rider after completion of 90 credit hours. (Please consult the Rider University Graduate Academic Catalog for details on the MAcc program.) Undergraduate accounting majors are encouraged to work closely with their advisor to select courses which will best address their career and certification plans. Students should consult the specific certification requirements of the state jurisdiction in which they plan to become certified and plan accordingly.

Students majoring in accounting must receive a grade of at least C- in a prerequisite course for any advanced course in accounting, and must have a cumulative average of at least 2.0 in the major.

### ADVERTISING

(18 semester hours)

The advertising major prepares students for careers in advertising agencies, large or small, or in the advertising or promotion departments of profit or nonprofit organizations. Possible entry level positions include media buyer, copy writer, and assistant account executive. This program combines a solid background in the business disciplines with the study of communications. It emphasizes the role of advertising/promotion within the marketing communications strategy.

ADV-300	Advertising Principles . . . . .	3
ADV-311	Advertising Copy and Layout . . . . .	3
ADV-315	Media Planning and Strategy . . . . .	3
ADV-435	Advertising Campaigns . . . . .	3
MKT-320	Consumer Behavior . . . . .	3
MKT-366	Marketing Research . . . . .	3

The advertising major is also required to take 15 credits of designated liberal arts and science courses. The specific courses are:  
PSY-100 Introduction to Psychology  
COM-105 Mass Media Communication  
COM-212 Publication Design  
COM-240 Public Relations  
COM-302 Communication Ethics

# CONTINUING STUDIES

For graduation, students must achieve an overall GPA of 2.0 in the major, with no course grade less than C-. Majors are encouraged to take additional courses offered by the marketing department to satisfy business elective and free elective requirements.

## BUSINESS ADMINISTRATION

(18 semester hours)

The business administration major requires completion of 18 semester hours. Students will choose either Track 1: General Business or Track 2: Entrepreneurial Studies, but not both. For graduation, students must achieve an overall GPA of 2.0 in the major. Business administration majors may not count more than six semester hours or two courses from either track towards a different major.

### Track 1. General Business

This track provides a strong grounding in all areas of managing large and medium businesses and is appropriate for those who do not wish to specialize in a particular functional area. It is useful for:

- those who may want to enter a management training or marketing program with a future employer
- those who may want to attend graduate school in fields such as business or law.

For this track, courses are to be selected as specified below:

One upper-level economics elective . . . . 3  
 One upper-level finance elective. . . . . 3  
 One upper-level management or human resource management elective . . . . . 3  
 One upper-level marketing elective . . . . 3  
 Two upper-level business electives that may include BUS-491 Summer Internship or BUS-490 Independent Research Study.

Courses listed in the business core may not be used for fulfilling the requirements of the general business track.

### Track 2. Entrepreneurial Studies

This track is intended for those who anticipate:

- managing their own business in the future
- joining a family business, or
- working for a smaller company.

Students in this track take the courses specified below:

#### Required courses:

MGT-348 Small Business Management 3  
 ACC-355 Small Business Taxation . . . 3

Three of the following . . . . . 9

FIN-350 Entrepreneurial Finance  
 MKT-350 Retailing Management  
 CBA-350 Family Business Management  
 BUS-214 Advanced Business Law  
 or

BUS-210 Introduction to Law: Contracts  
 CIS-260 Business Graphics  
 or

CIS-340 E-Commerce  
 CBA-220 Minding Our Business  
 MGT-310 Introduction to Human Resource Management

or

MGT-363 Management Skills

One of the following integrative experiential courses . . . . . 3

MGT-448 Seminar in Small Business Consulting  
 BUS-410 New Venture Planning

## COMPUTER INFORMATION SYSTEMS

(18 semester hours)

Students with a major in Computer Information Systems (CIS) develop a solid understanding of the use, design, development, and management of information systems and information technology. CIS majors at Rider University prepare for a variety of professional career paths. They develop expertise with various application development and networking tools, and discover how the effective use of information systems can create new business opportunities in addition to solving existing business problems.

All of the CIS courses are designed to give students the opportunity to develop and manage projects that can be applied immediately to real organizational settings. Increasingly, firms seeking individuals with a technological specialization expect outstanding organizational, communications, and interpersonal skills, in addition to excellent analytical skills. To that end, many of the CIS course projects are designed to encourage students to develop and utilize these competencies.

CIS majors begin with CIS-185 Introduction to Computing, which is also required of all business majors. This course introduces them to software including Microsoft XP, Office, and SAP R/3. After satisfactorily completing this course, students may pursue the CIS major.

The required CIS core includes Introduction to Programming and Networking. Additionally, each CIS major will choose from one of six model plans of study and take at least three courses in the plan, plus one additional CIS elective of their choice. The six models include Multimedia, Enterprise Management, Developer/Analyst, Network Management, Business Intelligence, and E-business. Each model prepares the student for a focused career path in information technology. The choice of elective enables the student to further develop a concentration in a particular area or round out his/her knowledge base. Students work with their CIS advisors to develop a plan of study that best meets their needs.

In their last year, CIS majors take CIS-485 Management Information Systems, which focuses on the use and management of information technology for the strategic and competitive advantage of the organization. This is also a capstone for all business majors at Rider. This course emphasized the importance of integrating enterprise-wide resources for maximum organizational effectiveness.

### Required core

CIS-200 Introduction to Programming . . . . . 3  
 CIS-310 Networking . . . . . 3

### Multimedia

CIS-260 Business Graphics . . . . . 3  
 CIS-340 Electronic Commerce . . . . . 3  
 CIS-350 Internet Application Development . . . . . 3  
 CIS-380 Systems Project . . . . . 3

### Enterprise Management

CIS-270 Telecommunications . . . . . 3  
 CIS-330 Database Management . . . . . 3  
 CIS-340 Electronic Commerce . . . . . 3  
 CIS-360 Knowledge Management . . . 3  
 CIS-420 Enterprise Security . . . . . 3  
 CIS-430 Enterprise Systems Integration . . . . . 3



# CONTINUING STUDIES

## Developer/Analyst

CIS-260	Business Graphics	.....3
CIS-300	Object-oriented Programming	.....3
CIS-330	Database Management	.....3
CIS-350	Internet Application Development	.....3
CIS-370	Systems Analysis and Design	.3
CIS-380	Systems Project	.....3
CIS-430	Enterprise Systems Integration	.....3

## Network Management

CIS-270	Telecommunications	.....3
CIS-320	Systems Administration	.....3
CIS-340	Electronic Commerce	.....3
CIS-420	Enterprise Security	.....3

## Business Intelligence

CIS-300	Object-oriented Programming	.....3
CIS-330	Database Management	.....3
CIS-360	Knowledge Management	...3
CIS-370	Systems Analysis and Design	.3
CIS-380	Systems Project	.....3
CIS-430	Enterprise Systems Integration	.....3

## E-Business

CIS-260	Business Graphics	.....3
CIS-270	Telecommunications	.....3
CIS-300	Object-oriented Programming	.....3
CIS-340	Electronic Commerce	.....3
CIS-350	Internet Application Development	.....3
CIS-430	Enterprise Systems Integration	.....3

For graduation, the student must achieve an overall GPA of 2.0 in the major, with no course grade less than C-.

## FINANCE

(18 semester hours)

The finance program is designed to meet the needs of students who have a variety of career goals. In many types of jobs, it is essential that one understand the process of financial decision making and the environment in which those decisions take place. To provide this understanding, the major combines a solid analytical foundation with broad coverage on how the financial system operates.

Programs of study are structured to benefit students who will enter both finance and non-finance careers. In addition, many individuals who have decided to pursue advanced professional degrees have found the finance program to be quite valuable. In short, even if you are not certain whether your career will be in a traditional finance specialization, it is quite

possible that finance courses will be very useful in your personal and professional life.

There is considerable flexibility in arranging individual programs of study within the major. Students may choose a well-rounded exposure to the many facets of financial decision making. They may select courses in such areas as investment analysis, corporate financial management, international finance, banking and financial markets, computerized financial analysis, real estate, and insurance.

## Group A

Three or four courses from the following list: .....9-12

FIN 307	Financial Markets and Institutions
FIN-310	Capital Budgeting
FIN-311	Corporate Financing Decisions
FIN-312	Investments

## Group B

Two or three 300-400 level finance electives (excluding FIN-491 Finance Internship) . .6-9  
The sum of credits from Groups A and B must total 18.

Students must achieve an overall GPA of 2.0 or better in the major, with no course grade less than C-. In addition to the required courses, the following are recommended for those interested in the career areas specified below:

**Investment Analysis:** FIN-312 Investments and FIN-412 Investment Analysis and Portfolio Management.

**Corporate Financial Management:** FIN-310 Capital Budgeting, FIN-311 Corporate Financing Decisions, and FIN-330 Corporate Cash Management.

**Banking and Financial Markets:** FIN-307 Financial Markets and Institutions and FIN-308 International Finance.

**Computer Applications:** FIN-315

Computerized Financial Casework

**Insurance:** FIN-340 Principles of Risk Management

Because the fields are related so closely to finance, majors are encouraged to take advanced courses in accounting, personal computer applications in business, and economics.

## SPECIAL DOUBLE MAJOR OPPORTUNITIES

The finance department believes that recognition and credit should be given to the significant amount of finance-related material that is included in the programs for accounting and for actuarial science majors. As a result, students who are finance and accounting double majors or finance and actuarial science double

majors can reduce the number of required finance courses from six to five. Details are available from the dean's office or from the chairperson of the finance department.

## HUMAN RESOURCE MANAGEMENT (18 semester hours)

Human resource management (HRM) professionals perform many vital business activities in organizations. As both private and public sector organizations have become more concerned about such issues as legal compliance and ensuring employee work behaviors are aligned with strategic objectives, the demand for well-trained HRM professionals has increased greatly. Practitioners in HRM are involved in a variety of important, interesting, and challenging activities. They establish and implement policies that affect such organizational functions as recruitment, selection, training and development, performance management, compensation and benefits. Additionally, HRM professionals may be involved with human resource planning, job design and developing and implementing strategy. HRM professionals also take on responsibility for making sure that all aspects of organizational operations are in full compliance with equal employment opportunity legislation and other relevant employment laws. Our HRM major provides a strong foundation for successful careers in all of the above activities.

MGT-310	Introduction to Human Resource Management	.....3
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Five of the following courses, including at least three of the first five listed .....12

MGT-312	Introduction to Labor Relations
MGT-313	Legal Aspects of Human Resource Management
MGT-315	Employee Selection and Training
MGT-316	Compensation Administration
MGT-320	Managing Workforce Diversity
MGT-336	Career Management
MGT-346	Negotiation
MGT-355	Team Management
MGT-363	Management Skills
MGT-375	International Management
MGT-441	Selected Topics in Human Resource Management
MGT-490	Independent Study and Research

An average of C or better is required in the 18 semester credit hours required of the human resource management major. Majors are encouraged to take MGT-492 Internship in Human Resource Management as a business or free elective.

# CONTINUING STUDIES

## MANAGEMENT AND LEADERSHIP (18 semester hours)

The manager's job is an exciting and fast-paced one that requires the ability to make decisions quickly and facilitate the work of others. The management and leadership major gives students the knowledge and skills they need to compete in a rapidly changing global marketplace. Firms of all sizes and in all fields need good managers who know how to motivate subordinates, manage teams, resolve conflicts, and lead by example. Businesses want new employees who can handle themselves as subordinates, supervisors, and team members. Whether students are looking for a position with a medium to large organizations or thinking of starting companies of their own, the management and leadership major provides the knowledge and skills they will need to be successful.

MGT-355 Team Management . . . . . 3  
MGT-363 Management Skills . . . . . 3

Four additional courses from the following list are required for the major: . . . . . 12

MGT-310 Introduction to Human Resource Management  
MGT-320 Managing Workforce Diversity  
MGT-336 Career Management  
MGT-346 Negotiation  
MGT-348 Small Business Management  
MGT-375 International Management  
MGT-421 Selected Topics in Management and Organizational Behavior  
MGT-448 Seminar in Small Business Consulting  
MGT-490 Independent Study and Research

An average grade of C or better is required in the 18 semester credit hours that are required for the management and leadership major. Majors are encouraged to take MGT-491 Internship in Management and Leadership as a business or free elective.

## MANAGEMENT AND LEADERSHIP AND HUMAN RESOURCE MANAGEMENT DOUBLE MAJOR (30 semester hours)

Students may choose to double major in the department thereby gaining the leadership skills and the human resource background for their career pursuits.

MGT-310 Introduction to Human Resource Management . . . . . 3  
MGT-355 Team Management . . . . . 3  
MGT-363 Management Skills . . . . . 3

PLUS seven of the following courses, including at least three of the first five listed: . . . . . 18

MGT-312 Introduction to Labor Relations  
MGT-313 Legal Aspects of Human Resource Management  
MGT-315 Employee Selection and Training  
MGT-316 Compensation Administration  
MGT-320 Managing Workforce Diversity  
  
MGT-336 Career Management  
MGT-346 Negotiation  
MGT-348 Small Business Management  
MGT-375 International Management  
MGT-421 Selected Topics in Management and Leadership  
  
or  
MGT-441 Selected Topics in Human Resource Management  
MGT-448 Seminar in Small Business Consulting  
MGT-490 Independent Study and Research

An average grade of C or better is required in the 30 semester credit hours that are required for the management and leadership and human resource management double major. Majors are encouraged to take either MGT-491 Internship in Management and Leadership OR MGT-492 Internship in Human Resource Management as a business or free elective.

## MARKETING (18 semester hours)

The marketing major prepares students for a broad array of careers in such fields as sales, retailing, promotion, distribution, customer service, marketing research, and others. Possible employment opportunities can be found with profit or nonprofit and public or private organizations marketing goods or services to consumers, businesses, or other organizations.

MKT-366 Marketing Research . . . . . 3  
MKT-460 Marketing Management Seminar . . . . . 3

Four additional courses from the following list are required for the major: . . . . . 12

ADV-300 Advertising Principles  
ADV-311 Advertising Copy and Layout  
ADV-315 Media Planning and Strategy  
MKT-305 Social Issues in Marketing  
MKT-310 Business to Business Marketing  
MKT-320 Consumer Behavior  
MKT-330 International Marketing

MKT-340 Personal Selling  
MKT-350 Retailing Management  
MKT-360 Services Marketing  
MKT-406 Marketing Research Project  
MKT-440 Sales Management  
MKT-469 Selected Topics in Marketing

Students interested in retailing usually choose: MKT-320 Consumer Behavior, MKT-350 Retailing Management, and MKT-440 Sales Management.

Students interested in business-to-business marketing usually choose: MKT-310 Business-to-Business Marketing, MKT-340 Personal Selling, and MKT-440 Sales Management.

Students interested in marketing research usually choose: MKT-320 Consumer Behavior, MKT-366 Marketing Research, and MKT-406 Marketing Research Project.

Students must achieve an overall GPA of 2.0 in the major, with no course grade less than C-. Majors are encouraged to take additional courses offered by the marketing department to satisfy business and free elective requirements.

## Minor Fields of Study

The College of Business Administration offers no minors for business students. However, business students are permitted to take a minor in one of several fields in liberal arts and science. Students interested in such a program should see the chairperson of the appropriate department.

## GLOBAL BUSINESS CONCENTRATION

The global business concentration is available to any business administration student interested in acquiring increased competence in global business and trade.

This concentration requires at least four global business electives selected from the following two lists (to be counted toward the student's major, business, or free electives):

Any four courses from List A; or three from List A plus one course from List B

# CONTINUING STUDIES

**List A** - at least four from this list are required, but no more than two from any one department

BUS-375	International Business Law ..	3
CBA-490	Independent Study: Global Business.....	3
ECO-305	International Trade and Investment .....	3
ECO-315	Comparative Economic Systems .....	3
ECO-365	The Post-Soviet Economy & U.S. Business.....	3
FIN-308	International Finance.....	3
MGT-375	International Management ..	3
MKT-330	International Marketing ....	3

**List B** - at least one from this list is required

BUS-492	Global Business Internship ..	3
CBA-315	Global Business Study Tour. .	3
Study Abroad Program (CBA-310, CBA-311, CBA-312, CBA-313)		
POL-295	Special Topics: Model UN	

For further details concerning the global business concentration, contact the director of global business programs.

## BACHELOR OF SCIENCE (B.S.) IN CHEMISTRY

The program in chemistry, which is fully accredited by the American Chemical Society, prepares the student to cope with the rapidly increasing amount of chemical knowledge by being concept rather than fact oriented. It does so by laying a firm basis for the theoretical structure of chemistry, which includes atomic and molecular structure, the energetics of chemical processes, the dynamics of chemical reactions, and the strategy of inorganic, organic, and biochemical synthesis.

Through its unique laboratory sequence, the program allows a student to encounter an experimental problem in its entirety, developing synthetic and analytical techniques, as progress is made toward its solution. In the laboratory, chemistry is approached as a unified discipline rather than stressing the differences of inorganic, organic, analytical, and physical chemistry.

The chemistry major is designed for students who wish to pursue advanced study in chemistry, medicine, or dentistry, as well as for those who intend to assume a position of professional responsibility after graduation.

## Core Curriculum

(42-45 semester hours)

COM-104	Speech Communication .....	3
CMP-115	Introduction to Expository Writing .....	3*
CMP-120	Expository Writing .....	3
CMP-125	Research Writing .....	3
Foreign language (select one from French, German, or Spanish): .....		6

## Areas of Knowledge

(A list of courses is available from a CCS advisor.)

Historical Perspective .....	9
Artistic and Intellectual Perspective .....	9
Contemporary Perspective .....	9

\*CMP-115 will be waived for students who attain a 530 or above on the verbal SAT or a specified qualifying score on the English Department Placement Test.

## Requirements for the Major

(66 semester hours)

### Chemistry

CHE-120	Principles of Chemistry .....	3
CHE-121	Principles of Chemistry Lab ..	1
CHE-122	Introduction to Chemical Systems .....	3
CHE-123	Quantitative Methods Lab ..	1
CHE-205	Experimental Chemistry I ..	2
CHE-211	Organic Chemistry I .....	3
CHE-213	Organic Chemistry I Lab ....	1
CHE-214	Organic Chemistry II .....	3
CHE-216	Organic Chemistry II Lab ....	1
CHE-301,	Experimental Chemistry	
302, 304	II, III, IV .....	6
CHE-305	Chemical Thermodynamics ..	3
CHE-306	Quantum Chemistry .....	3
CHE-311	Analytical Chemistry .....	3
CHE-312	Analytical Chemistry Lab ....	1
CHE-315	Inorganic Chemistry .....	3
CHE-400	Chemical Bonding .....	3

### Biochemistry

BCH-325	Biochemistry I .....	3
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### Mathematics

MTH-210,	Calculus I, II, III .....	12
211, 212		

### Physics

PHY-200	General Physics I .....	4
PHY-201	General Physics II .....	4

## Advanced electives

One course from the following list is required for the major: .....

CHE-300	Introduction to Physical Organic Chemistry	3
CHE-320	Polymer Chemistry	
CHE-415	Special Topics in Chemistry	

At least two years of German or Russian are strongly recommended.

Chemistry majors may elect up to 12 credit hours of Independent Research and Study.

In the senior year, chemistry majors are required to take the Chemistry Advanced Test of the Graduate Record Examination. Scores must be submitted to the department chairperson.

Additional electives are also required to make a total of 120 credits.

## BACHELOR OF ARTS (B.A.) IN LIBERAL STUDIES

This degree program enables students, through a variety of learning experiences, to consider life in the contemporary world. The curriculum provides for development of writing, speaking, quantitative, and critical thinking skills and exposes students to bodies of knowledge shared by educated persons. Offered for adult students enrolled in CCS, the program provides an opportunity for students to share common learning experiences and to develop personal plans of study for career advancement, personal growth, and graduate study.

The program consists of five major learning areas:

Liberal studies core .....	6
Basic core .....	15-16
Areas of knowledge .....	33-35
Concentration .....	36
Free electives .....	28-30

A candidate for graduation must complete a minimum of 120 credits. Of the required 120 credits, 36 must be in upper-level courses, as determined by the respective departments, including three credits from the liberal studies core and 18 from the concentration. A maximum of 30 credits from outside the arts and sciences may be presented for graduation.

The liberal studies core consists of two courses. The first permits students to examine the liberal arts in the historical perspective. This course considers the structure of knowledge and liberal education as it evolved historically and surveys the different ways of knowing. The second, taken during the final two semesters prior to graduation, encourages students to examine a variable set of permanent problems in humanistic debate and



# CONTINUING STUDIES

learning related to the University Theme, emphasizing the nature of critical thinking. Through a seminar approach, the course provides an opportunity for students to relate the humanistic values of the liberal tradition to the ever-changing society in which they live.

The basic core is designed to assist students in the development of writing, speaking, computing, and quantitative skills. The quantitative skills requirement can be met by successfully completing one course in college-level mathematics, or statistics.

The areas of knowledge provide exposure to four broad areas of knowledge, and students select two or three courses from each of the four areas. At least two disciplines must be represented in each area. No more than three courses from any one discipline may be used to meet the areas of knowledge requirement. Students are urged to consult with their advisors before selecting courses for the areas of knowledge to ensure that courses chosen meet the requirements. The areas include:

**The Historical Perspective . . . . . 9**  
To comprehend the contemporary world, one must appreciate that it is the result of historical evolution and that this process of change continues today. Our society should not be understood as rigid or absolute but as part of a historical continuum.

**The Artistic and Intellectual Perspective . 9**  
This area recognizes that intellectual creativity is an ability that is unique to humans. People, alone, have produced works of art and developed systematic bodies of thought. Thus, to understand people is to know them in this special role.

**The Contemporary Perspective . . . . . 9**  
To understand daily lives in the modern world, one must understand the dynamics of modern society and the forces that influence the course of living and working in the world.

**The Natural World . . . . . 6-8**  
This area represents a recognition of the impact of the natural world on life and on human behavior and examines the impact of a technological society on the natural world.

The six concentrations are multidisciplinary and acknowledge the personal interests and professional objectives of adult students. In addition, to accommodate needs and interests not served by one of the concentration areas, students may propose concentrations of individual design. These proposals must be approved by the dean of CCS and a faculty committee on individual study. In meeting the concentration requirements, three disciplines must be

represented in the concentration selected and students must complete 21 liberal arts and science credits. Further, a minimum of 18 credits must be upper-level courses and upper-level courses must be included in two of the concentration disciplines. Any concentration plan must be approved by a CCS advisor.

## Areas of Concentration

### Humanities

American studies (213, 225, 226, 227, 228, 310, 312, 400, 401), English literature and writing, fine arts, foreign languages and literatures, gender studies (300, 310, [see CCS advisor], 313, 315 [see CCS advisor], law and justice (204, 395, [see CCS advisor]), philosophy.

### Social Science

American studies (210, 211, 212, 250, 304, 305, 311), communication (100, 201, 205, 301, 302, 390, 391, 392, 393), economics, gender studies (200, 310 [see CCS advisor], 311, 312, 315 [see CCS advisor], 350, 400), global and multicultural studies (180, 200, 201, 325), history, law and justice (304, 308, 365, 395 [see CCS advisor]), multicultural studies (110), political science, psychology (except 335, 336), sociology.

### Applied Social Science

Communication, law and justice (150, 305, 308, 310, 355, 395 [see CCS advisor]), political science (100 or 102, 200, 325, 326, 327, 328, 335, 360, 415), psychology (except 335, 336), sociology, social work, business studies. Students interested in business studies must take ECO-200, ECO-201, ACC-210, MGT-201, MKT-200, and FIN-300. Additional business electives may be taken in the following disciplines: accounting, business policy and environment, computer information systems, economics (ECO-325, 335, 345, 350, 355), finance, health administration, management and leadership, or marketing. Credits outside the liberal arts and sciences may not exceed 30.

### Global Studies

#### General

GMS-180 International Dimensions of an Integrated World . . . . . 3  
GMS-200 The Social Construction of Global Society . . . . . 3  
GMS-201 The Politics of the Global Economy . . . . . 3

## Foreign Language and Culture

**Foreign Language . . . . . 0-6**  
(if foreign language is included, must take six credits)

**Culture . . . . . 6-12**  
(must take at least six credits)

FRE-311 French Culture  
GER-310 German Culture  
LIT-330 Russian Culture  
PHL-207 Asian Philosophy  
SPA-310 Spanish Culture and Civilization  
SPA-311 Latin American/Latino Culture

Electives selected from the following courses: . . . . . 21

### Global and Multinational Studies

GMS-306 Ethnographic Film . . . . . 3  
GMS-325 Global Perspectives on Health and Illness . . . . . 3

### History

HIS-275 Italy from the Middle Ages to the Present  
HIS-281 The Modern Middle East  
HIS-282 Colonial Latin America  
HIS-283 Modern Latin America  
HIS-284 Caribbean History  
HIS-285 Traditional China and Japan  
HIS-286 Modern East Asia  
HIS-287 China in Revolution  
HIS-288 African History  
HIS-313 Modern European Intellectual History  
HIS-339 Women of East Asia  
HIS-350 20th-Century Europe

### Literature

ENG-211 Major British Authors  
ENG-347 20th-Century British Literature  
LIT-250 Masterworks of Western Literature I  
LIT-251 Masterworks of Western Literature II  
LIT-310 Russian Literature from 988-1850  
LIT-311 Russian Literature from 1850-1917  
LIT-312 20th-Century Russian Literature  
LIT-313 Contemporary Russian Literature  
LIT-315 Tolstoy  
LIT-317 Dostoevsky  
LIT-322 German Literature in English Translation  
LIT-340 Hispanic Literature in English Translation  
LIT-370 European Short Novel



# CONTINUING STUDIES

## Socio-political

- COM-393 International Communication  
POL-210 Public Opinion  
POL-215 Global Politics  
POL-219 Terrorism, Revolution and Political Violence  
POL-255 European Politics  
POL-306 Political Film  
POL-307 Political Communication  
POL-315 Global Issues  
POL-320 Politics of the Middle East  
POL-365 Third World Politics  
SOC-341 Developing Societies

## International Business

(no more than 12 credits from International Business)

- ECO-305 International Trade and Investment  
ECO-310 Economic Growth and Development  
ECO-315 Comparative Economic Systems  
ECO-355 Economics of the Public Sector  
ECO-365 The Post-Soviet Economy and U.S. Business  
FIN-308 International Finance  
MGT-375 International Management  
MKT-330 International Marketing

## International Travel Opportunities

- CBA-315 Global Business Study Tour  
MUS/THE The Arts Abroad  
312  
POL-245 Cities, Symbols and Political Culture Other travel courses as approved  
Additional foreign language and culture courses from above.

## Law and Justice

Includes courses in each of the following categories:

### A. Multidisciplinary Approaches to Law, Legal Issues and Institutions

..... 18  
At least six courses must be taken from among the following disciplines. A minimum of three disciplines must be represented.

### Business Policy

- BUS-210 Introduction to Law: Contracts  
BUS-211 Commercial Law  
BUS-214 Advanced Business Law  
BUS-300 Social and Legal Environment of Business  
BUS-444 Selected Topics in Business Policy and Environment

### Communication

- COM-301 Communication Law

## History

- HIS-301 Constitutional History

## Law and Justice

- LAW-140 Introductory Seminar in Law and Justice  
LAW-150 Introduction to Forensics  
LAW-204 Law, Literature and Film in America  
LAW-304 Women and Law  
LAW-305 Trial Advocacy  
LAW-306 Law and Justice Experience  
LAW-307 Criminal Justice Practice  
LAW-308 Conflict and Conflict Resolution  
LAW-310 Cyberspace Law and Policy  
LAW-355 Sports and the Law  
LAW-365 Rights of the Accused  
LAW-395 Special Topics in Law and Justice  
LAW-405 Crime and Justice in the Media  
LAW-450 Law and Justice Senior Seminar  
LAW-490 Independent Research and Study  
LAW-491 Law and Justice Internship  
LAW-496 Honors Thesis in Law and Justice

## Management and Human Resources

- MGT-313 Legal Aspects of Human Resource Management

## Philosophy

- PHL-303 Philosophy of Law

## Political Science

- POL-300 U.S. Constitutional Law  
POL-301 Civil Liberties in the United States  
POL-360 Politics of the Criminal Justice System  
POL-361 The Judicial Process

## Psychology

- PSY-279 Psychology and Law

## Sociology

- SOC-216 Youth and Crime  
SOC-317 Law and the Legal Profession  
SOC-319 Criminal Justice and Corrections

## B. Law Related Courses

..... 12  
Four courses to be selected from among the following disciplines. At least two disciplines must be represented. Students may choose two additional courses from category A instead of category B, if they wish.

## Communication

- COM-251 Interpersonal Communication  
COM-252 Intercultural Communication  
COM-302 Communication Ethics  
COM-322 Argumentation and Debate

## Law

- LAW-308 Conflict and Conflict Resolution

## Management and Human Resources

- MGT-305 Introduction to Labor Relations

## Philosophy

- PHL-115 Ethics  
PHL-202 Social Philosophy  
PHL-203 Business Ethics  
PHL-255 American Ethics  
PHL-360 Contemporary Ethics

## Political Science

- POL-235 Race and Ethnicity in American Politics  
POL-325 Public Administration  
POL-326 Power in American Politics  
POL-328 Environmental Policy  
POL-335 Urban Politics

## Psychology

- PSY-220 Abnormal Psychology

## Sociology

- SOC-205 Families  
SOC-206 Deviance and Crime  
SOC-207 Racial and Ethnic Relations  
SOC-308 Cities and Suburbs  
SOC-340 Power and Politics  
SOC-350 Social Policy

## C. Theory/Application

- ..... 3  
One of the following:  
LAW-305 Trial Advocacy (recommended)  
LAW-306 Law and Justice Experience  
LAW-307 Criminal Justice Practice  
LAW-308 Conflict and Conflict Resolution  
LAW-491 Law and Justice Internship (recommended)  
One additional course from category A.

## D. Law and Justice Senior Courses

- ..... 3  
One of the following:  
LAW-450 Law and Justice Senior Seminar  
LAW-496 Honors Thesis in Law and Justice

At least 18 credits overall must be upper level. Each course may only be used to fulfill one requirement.

Additional courses may be needed as pre-requisites for courses in the concentration. They may be used to fulfill other requirements in the degree program.

# CONTINUING STUDIES

## NATURAL SCIENCE

Includes courses in the following disciplines: biochemistry, biology, biopsychology (275), chemistry, geological, environmental and marine sciences, physics, psychology (335, 336, 365).

In meeting the concentration requirements, three disciplines must be represented, and students must complete a minimum of 21 liberal arts and science credits. Further, a minimum of six upper-level courses (18 credits) are required, selected from two disciplines in the concentration. Any concentration plan must be approved by a CCS advisor.

## Free Electives

Free electives may be taken in any department, subject to the program limit of 30 credits from outside the arts and sciences.

## ASSOCIATE IN ARTS (A.A.) IN BUSINESS ADMINISTRATION

This 60-credit program was developed to meet the needs of students for an abbreviated professional curriculum. This curriculum is fully transferable to the Bachelor of Science in Business Administration degree program.

### Business core

ACC-210	Introduction to Accounting	.3
ACC-220	Managerial Uses of Accounting	.3
MSD-105	Quantitative Methods for Business I	.3
MSD-200, 201	Statistical Methods I, II	.6
ECO-200	Principles of Macroeconomics	.3
ECO-201	Principles of Microeconomics	.3

### Nonbusiness core

CIS-185	Introduction to Computing	.3
CMP-115	Introduction to Expository Writing	.3**
CMP-120	Expository Writing	.3
CMP-125	Research Writing	.3
COM-290	Professional and Strategic Speech	.3
	Humanities electives	.6
	Science electives	.6
	Social science electives	.6
	Liberal arts electives	.6
	Free electives***	.3

\*\*CMP-115 will be waived for students who attain 530 or above on the verbal SAT or a specified qualifying score on the English Department Placement Test.

\*\*\*Students planning to take business administration courses to satisfy these electives are limited to 100- and 200-level courses. See free electives at the end of this chapter.

## ASSOCIATE IN ARTS (A.A.) IN GENERAL STUDIES

Many people seek further education in general studies. Some are seeking a broad background prior to specialization; others desire two years of liberal education to serve as a capstone to their formal education. This 60-credit program has been designed to provide both breadth and sufficient depth in the liberal arts at the associate degree level.

Students whose long-range goal is a bachelor's degree should consult an advisor in Continuing Studies to determine the transferability of this program to one of the baccalaureate degrees offered by Rider.

### Basic core

(same as B.A. in Liberal Studies)

CMP-115	Introduction to Expository Writing	.3*
CMP-120	Expository Writing	.3
CMP-125	Research Writing	.3
COM-104	Speech Communication	.3
	Math elective	.3-4
	Information technology	.3

### Areas of knowledge

(A list of possible courses is available from a Continuing Studies advisor)

Historical Perspective	.6
Artistic and Intellectual Perspective	.6
Contemporary Perspective	.6
Natural World...	.3-4

### Liberal studies core

LIB-200	Liberal Arts: Introduction to Liberal Studies	.3
	Emphasis.....	.15
	Free electives**	.3-6

\*CMP-115 will be waived for students who attain 530 or above on the verbal SAT or a specified qualifying score on the English Department Placement Test.

\*\*Students planning to take business administration courses to satisfy these electives are limited to 100- and 200-level courses. See free electives at the end of this chapter.

## Electives

### Business Electives

Accounting  
Business Policy and Environment  
Computer Information Systems  
Economics  
Finance  
Health Administration  
Management and Leadership  
Management Sciences  
Marketing

### Liberal Arts and Science Electives Humanities

Fine Arts  
English Literature and Writing  
Foreign Languages and Literatures  
Philosophy

### Natural Sciences

Biochemistry  
Biology  
Biopsychology  
Chemistry  
Geological, Environmental and Marine Sciences  
Physics

### Mathematics

### Social Sciences

American Studies  
Communication  
Gender Studies  
History  
Law and Justice (selected courses)  
Multicultural Studies  
Political Science  
Psychology  
Sociology  
Social Work

### Free Electives

Free elective hours may be taken in any department, provided the student meets the requirements imposed by the department offering the course.

# CONTINUING STUDIES

## Professional Certificates and Programs

### Occupational Safety and Industrial Hygiene Certificate

See yourself as a safety and industrial hygiene professional working to keep employers' safety programs in compliance, teaching and so much more. The primary objective of the occupational safety and industrial hygiene (OSIH) program is to allow students with undergraduate degrees in science-related disciplines an opportunity to focus on safety and industrial hygiene. By having industry professionals develop and teach the courses, the program provides both traditional classroom instruction and hands-on industrial hygiene training. This training is essential for health and safety professionals in order to keep their employers in compliance with applicable regulations. Students who complete the required program of study will enter the work force prepared with the fundamentals indispensable to safety and industrial hygiene professionals.

#### Admission Requirements:

The Certificate in Occupational Safety and Industrial Hygiene is an interdisciplinary program of advanced study for individuals with backgrounds in science or technology related fields. Applicants should have a minimum of 60 undergraduate credits or an associate degree, a minimum of one year of college-level chemistry, and mathematics through calculus. Applicants who lack these requirements may be required to take courses that will not be counted toward the certificate. A minimum of 2.8 undergraduate GPA is required for admission to the program.

#### Certificate Requirements:

A grade of "C+" or better is required in each course required for the certificate. Students will receive the certificate after successfully completing the five courses (four core courses and one elective course) for a total of 15 credits. (Each course is three credits.) The occupational safety and industrial hygiene certificate will be noted on the Rider University transcript when the certificate is awarded.

#### Elective Courses (select one):

- LIB-300 40-Hour HAZWOPER Certification
- LIB-305 Workers' Compensation and Risk Management
- LIB-306 Safety Training Program and Development

Individual courses may be applicable to a degree program, pending dean's approval.

#### Courses and curriculum:

Students will be required to complete five courses to receive the certificate, four core courses and one elective for a total of 15 credits. Each course is 3 credits.

#### Core courses:

- LIB-301 Environmental, Safety, and Health Program Management
- LIB-302 Sampling and Testing Methods for Industrial Hygiene I
- LIB-303 Sampling and Testing Methods for Industrial Hygiene II
- LIB-304 Legal Aspects of Health and Safety

## Paralegal Studies Certificate Program

See yourself as a skilled professional working to assist attorneys, corporations, companies and governmental agencies and more.

Upon successful completion of the paralegal studies certificate program, students will know how to:

- perform legal research
- draft legal documents, such as complaints, answers, interrogations, demand letters, intake memorandums, motions, etc.
- perform investigations
- coordinate exhibits at trial
- perform initial client interviews
- conduct document review

#### Admission Requirements:

Applicants for admission to the paralegal studies certificate program must fulfill one or more of the following:

- high school diploma (or equivalent)
- associate in arts or baccalaureate degree
- be a degree candidate at Rider University or another accredited institution with a 2.5 GPA
- a College of Continuing Studies application, including \$45 non-refundable fee, must be completed prior to enrollment.

#### Courses and Curriculum:

Students will be required to complete five courses to receive the paralegal studies certificate, four core courses and one elective, for a total of 15 credits. Each course is worth three credits.

#### Core Courses include:

- LAW-305 Trial Advocacy
- LIB-310 Legal Research and Writing
- LIB-311 Paralegal Studies I
- LIB-312 Paralegal Studies II

#### Elective Courses (select one):

- LAW-140 Introductory Seminar in Law and Justice
- LAW-307 Criminal Justice Practice

## Post-baccalaureate Premedical, Predental, Preveterinary Studies

Rider University offers students with baccalaureate degrees the opportunity to take the undergraduate science course prerequisites for medical, dental, veterinary or graduate school. The Post-baccalaureate Premedical Studies Program is offered through the College of Continuing Studies.

Applicants must complete a Post-baccalaureate Premedical Studies application form (available at [www.rider.edu/ccs](http://www.rider.edu/ccs)), submit official transcripts from all higher education institutions attended, and complete an application to the College of Continuing Studies.

Applicants must meet the following criteria to gain admission to the Post-baccalaureate Premedical Studies Program:

- a baccalaureate degree from an accredited college or university
- a 3.0 undergraduate GPA

Applications are reviewed and approved by the College of Continuing Studies and the chair of the Premedical Studies Committee.

## Public Relations Certificate Program

The Public Relations Certificate is designed for students who have or are pursuing a baccalaureate degree and wish to specialize in the area of public relations. The 24-credit program includes courses in writing for the media, publication design, speech communication, as well as other areas of public relations. Upon completion of the program, students with a baccalaureate degree receive an official Public Relations Certificate.

# CONTINUING STUDIES

Eight required courses . . . . .	24
COM-102 Introduction to News Writing	
COM-104 Speech Communication	
or 290 Professional and Strategic Speech	
COM-107 Persuasive Writing for the Media	
COM-212 Publication Design	
COM-240 Public Relations	
COM-316 Feature Writing	
COM-341 Publicity Methods in Organizations	
COM-440 Cases and Campaigns in Public Relations	

A grade of C+ or better in each course is required for the certificate. A minimum of six of the required courses must be taken at Rider.

## ADMISSION

Candidates for admission to the Public Relations Certificate Program must complete a special CCS application form and send it to CCS with supporting transcripts from all colleges attended. The application will be reviewed and approved by CCS and the communication department. Minimum admissions requirements are: (1) a baccalaureate degree or be a candidate for a baccalaureate degree (usually at Rider); (2) junior standing or beyond (may take some courses before admission to the program); (3) a 2.5 GPA in all undergraduate work or evidence of acceptable public relations experience. This program is available only to students enrolled in CCS.

## PROGRAM COMPLETION AND CERTIFICATION

Students with a baccalaureate degree will receive their certificates after successfully completing the eight required courses. Students without a baccalaureate degree will receive their certificates after completing the eight required courses and the baccalaureate degree. The notation Public Relations Certificate will appear on the student's Rider transcript when the certificate is awarded. Students leaving CCS for any other Rider undergraduate program before earning the certificate will not be eligible for the certificate.

## Admission to Degree Programs

Students seeking admission to degree programs and students enrolling on a nondegree basis meet different requirements and follow different procedures.

## Admission Requirements

Applicants for admission to a degree program who have attended another college must submit an official transcript from each college they attended.

All students applying for a degree program are required to submit a high school transcript unless they have already completed 30 credits at the college level.

A student applying for admission within one year of high school graduation must submit official results of either the Scholastic Aptitude Test (SAT) or American College Test (ACT). The results may be sent directly to Rider by the College Entrance Examination Board or ACT or on an official high school transcript.

A candidate for admission to a degree program must present 16 acceptable units of academic work at the secondary school level (or equivalent), including four units in English and three units of mathematics (algebra, geometry, or algebra II) on the secondary school level or equivalent and the remaining 9 units should be selected from academic areas that include foreign languages, science, mathematics, social science and humanities.

A student who does not meet the above requirements may enroll with permission in CCS as a non-matriculated student to make up deficiencies before applying for admission as a degree candidate.

Students who have earned an equivalency diploma without completing high school should meet with an advisor in CCS.

No admission test is required. However, academic advisors may recommend placement tests in specific subject areas.

## Application Procedures

Applications for admission to degree programs, including supporting documents, must be submitted to the office of undergraduate admission, accompanied by a \$45 nonrefundable application fee.

Applications should be submitted at least one month before the beginning of the semester in which the applicant wishes to enter as a degree candidate. If an application has not been processed by the beginning of that semester, the applicant may register in CCS as a non-matriculated student without affecting his or her application for admission as a degree candidate.

Students may enter at the beginning of any semester.

## International Students

To apply for admission, international students must complete the undergraduate application form along with the international student addendum and submit it along with a \$45 (US) application fee to the office of undergraduate admission. Transcripts from all secondary and post-secondary schools attended must be submitted including an English translation and evaluation of courses completed and grades received.

The TOEFL examination is required of all international applicants whose native language is not English.

Students for whom English is their native language must submit scores received from the SAT or ACT examination.

A notarized financial resource statement or notarized bank statement is required to demonstrate the student's ability to pay the total cost of attendance.

## Transfer Students

Qualified applicants will be accepted on transfer from other accredited colleges. Credit toward a degree will be granted for previous work that is applicable to the curriculum to be pursued at Rider, provided it is of at least C quality. However, grades from another college will not be counted as part of a student's grade point average at Rider. Credits that are more than 10 years old are subject to re-evaluation.

Some courses in the business administration curriculum are required at the junior or senior level. If such courses were taken at a lower level, they must be validated before transfer credit can be granted. Methods of validation differ from department to department and from course to course. Typical methods of validation include examination and successful completion of a specified advanced level course. Specific validation procedures should be discussed with a CCS advisor.

A student transferring from an accredited two-year institution may receive up to 60 credits, provided these credits are compatible with Rider degree requirements.

Students transferring from a four-year institution may transfer up to 90 credits (maximum 75 in business).

All transfer students seeking either an associate's or a bachelor's degree must complete their last 30 semester hours at Rider. In addition, candidates for the Bachelor of Science in Business Administration must complete a total of 45 semester hours at



# CONTINUING STUDIES

Rider, including the last 30 semester hours.

Students who have been dismissed from another institution may not apply for admission to degree programs until one year after the date of dismissal. Falsification or concealment of a student's previous record will be deemed sufficient basis for summary dismissal.

## Readmission to Degree Candidacy

Degree candidates who have been absent for one semester or more must apply for readmission through CCS. Those who have not attended within the past two years also must pay a \$30 nonrefundable fee.

Degree candidates who attend other colleges during their absence from Rider are required to have official transcripts from each college attended sent to CCS.

Students absent for more than one year, except for a military leave of absence, must follow degree requirements in effect at the time of readmission.

Students returning as degree candidates after more than 10 years should consult an academic advisor about re-evaluation of their credits.

Students dismissed from another college within the past year are not normally allowed to enroll at Rider. Students who have been dismissed and who wish to attend Rider must secure the approval of a CCS advisor.

## Nondegree Opportunity

The College of Continuing Studies provides learning opportunities for students who may not be seeking a degree but who wish to continue their formal educational experiences for personal enrichment or professional advancement. Academic advisors are available in CCS to assist students in planning programs of study appropriate to their educational goals.

## ENROLLMENT OF NONDEGREE STUDENTS

To enroll in CCS as a nondegree student, an individual must have a high school diploma or equivalent.

Nondegree students may enroll for credit in courses for which they meet course prerequisites and applicable academic standards. These credits will be recorded on a certified transcript but will be applicable to a degree only if the student becomes a degree candidate and the courses are applicable to the degree.

Nondegree students also may choose to audit credit courses. They may attend classes, and with the permission of the instructor, participate in class activities and complete the assignments. Auditors do not receive grades or credit and may only register to audit if seats are available.

## APPLICATION PROCEDURES FOR NONDEGREE STUDENTS

Nondegree students who want to enroll in regularly scheduled courses must submit a College of Continuing Studies application to the office of undergraduate admission. A \$45 nonrefundable fee must accompany this application if the student is enrolling in CCS for the first time.

Nondegree students enrolling for credit are strongly encouraged to submit transcripts of high school and/or college work to facilitate advising and course planning. Students who already have a bachelor's degree are urged to submit proof of the degree to establish eligibility for upper-level courses.

Students who are degree candidates at other colleges and who want to take upper-level business courses at Rider must submit proof of junior standing. Students planning to transfer Rider credits to a degree program elsewhere should check the acceptability of these credits with their home institutions.

## Changing to Degree Candidacy (Matriculation)

Non-matriculated students interested in degree candidacy should consult an academic advisor in CCS before applying for admission to a degree program. An applicant for matriculation must have at least a 2.0 average at Rider and meet the admissions requirements as described for degree candidates. (Specific majors may require a higher grade point average.)

When students qualify for matriculation, they will receive credit toward their degrees for all applicable courses previously completed satisfactorily at Rider and at other accredited colleges. Students are bound by the degree requirements in effect at the time of matriculation.

Students who have earned more than 21 credits at Rider as nondegree candidates may be asked to explain their educational goals and, if appropriate, to matriculate.

## Audit and Alumni Audit

Students who want to attend classes without taking examinations or receiving grades may audit courses when class space allows. Transcripts will record an audit with the notation of X.

The extent to which an auditor may take part in a course's activities is determined by the student and the instructor. In addition to the audit fee, students auditing a course carrying separate fees must pay all such required fees.

Students who want to enroll as auditors should apply and register in the CCS office during the scheduled evenings of the first week of class. Students who register on an audit basis may not change from audit to credit during a semester. However, a student who has audited a course may take that same course for credit in a later semester at full tuition. Students originally registered for credit may change to audit status during the first two weeks of the fall or spring semesters.

Changing from credit to audit during special sessions will be permitted within time limits proportional to the time limits of a regular semester.

Rider alumni who want to audit courses should contact CCS at 609-896-5033 or [ccs@rider.edu](mailto:ccs@rider.edu).

## Credit by Nontraditional Means

Credit earned for college-level knowledge obtained through means other than traditional classroom work at an accredited college may be considered for transfer. Students should consult with a CCS advisor to discuss the transferability of nontraditional credit.

## NON TRADITIONAL TRANSFER CREDITS INCLUDE:

- College Level Examination (CLEP) credits
- Advanced Placement credits (up to nine credits)
- Formal military credits which meet Rider standards and procedures
- DANTES Subject Standardized Test which meets credit recommendations established by the American Council on Education
- Validation or assessment of specific courses approved by a Rider faculty member

# CONTINUING STUDIES

## Old Credits Policy

The academic record of a student returning to Rider after an absence of 10 years or more will be re-evaluated to determine the applicability of old courses to present requirements. Grades earned in courses taken 10 years or more before returning will not be counted in the student's present grade point average. Old courses that are judged applicable to current degree programs will be used to meet degree requirements.

## Independent Research and Study

Independent Research and Study are designed for CCS students who wish to conduct projects on either a business or liberal arts topic outside the traditional curriculum, such as interdisciplinary projects, extension of previous work, and topics not covered in regular course offerings. To be eligible for an Independent Research and Study, a student must be a junior or a senior in good academic standing. Students should consult with a CCS advisor for approval. Refer to page 16 for more information Independent Research and Study in business or page 37 for Independent Research and Study in liberal arts.

## Tuition and Fees

### Part-time Students

CCS students pay a per credit fee of \$395 for one through 11 credits and then the comprehensive fee if taking more than 11 credit hours.

### Full-time Students

The comprehensive tuition fee covers a normal academic load between 12 and 17 credit hours per semester. Students are charged \$395 per credit hour in excess of the 17 credit hours. The comprehensive tuition fee does not include audit and non-credit courses. Any questions should be directed to the bursar's office, 609-896-5020.

## Expenses

Typical CCS expenses for the 2006-2007 academic year are estimated as follows:

Tuition for Part-Time Students  
Tuition per credit (up to 11 credits) . \$395  
Technology fee per course . . . . . \$35

Tuition for Full-time Matriculated Students  
Full-time comprehensive tuition  
fall and spring semesters . . . . . \$24,220

### Other Fees

Application fee . . . . . \$45  
Audit fee (credit courses only) . . . . \$180  
Readmission fee for students not attending for the past two calendar years (nonrefundable) . . . . . \$30  
I.D. card replacement fee . . . . . \$30  
Student insurance\*\* (per academic year) . . . . . TBD  
Deferred payment fee . . . . . \$25  
Late registration fee . . . . . \$50  
Late payment fee deferred plan . . . . \$25  
Enrollment re-instatement fee . . . . \$100  
Dishonored check fee, first time\* . . . \$30  
Dishonored check fee, after first time . \$50

\*Returned checks that have not been redeemed or made good by the due date will be assessed the late registration fee in addition to the dishonored check fee.  
\*\*Subject to change based on market quotes.

The fees and charges set forth herein are subject to adjustment at any time. Questions regarding rates and fees should be directed to the bursar's office, 609-896-5020.

## Terms of Payment

Tuition, fees, and charges for room and board are due and payable in two installments: August 14, 2006 for fall 2006 and January 2, 2007 for spring 2007. Students should mail their payments to be received by these due dates.

Payments may be made by check, cash, VISA, MasterCard, or Discover, in person or by mail to: Cashier's Office, Rider University, 2083 Lawrenceville Road, Lawrenceville, NJ 08648-3099.

Checks should be made payable to RIDER UNIVERSITY. International students should make payments in U.S. dollars. The student's name and Bronc ID number should be included on the check.

Students are asked to adhere to the published payment deadlines. Prompt payment of student account balances ensures students keep the classes they selected in advance registration, and their advance housing assignments. Balances unpaid after the deadlines or paid with checks returned by the student's bank will result in courses and housing reservations being cancelled, so please be aware of the deadlines.

## Deferred Payment Plan

Students may subscribe to the deferred payment plan that provides for three equal payments for the fall and spring semesters on the following basis:

At registration . . . . . 1/3  
October 15 (Fall)  
and March 15 (Spring) . . . . . 1/3  
November 15 (Fall)  
and April 15 (Spring) . . . . . 1/3

A \$25 deferred payment fee will be added to the student's account payable at registration. Any student who fails to make payment on or before the due dates will be charged a late payment fee of \$25. There is no deferred payment plan for summer sessions.

## Financial Obligations

Students can meet their financial obligations to the University by paying their account balances in full or enrolling in an approved payment plan. Inquiries about account balances and payment options should be directed to the bursar's office in the Bart Luedeke Center, 609-896-5020.

Students must also be in good financial standing with all organizations with which Rider has declared an official relationship, such as the New Jersey Higher Education Assistance Authority, in order to be officially registered.

Students with unmet obligations are not considered to have valid registrations. They may be prevented from attending classes, receiving transcripts, participating in advance registration for upcoming semesters, and under certain conditions, from graduating.

Liability for tuition costs will not be waived unless the student officially drops or withdraws from the course(s) for which he or she registered (see Refunds).

## Refunds

The refund policy applies to tuition and audit fees for regularly scheduled semester-long courses. All other fees are nonrefundable.

Students who wish to withdraw from a course or courses must file the official withdrawal form in the CCS office. A student who fails to withdraw officially waives the right of consideration for any refund. All refunds based upon the official withdrawal date (and not the last class attended) will be

# CONTINUING STUDIES

made in accordance with the following schedule for the fall and spring semesters:

Prior to the official opening of classes	.....100%
During the first week of any semester	.....80%
During the second week of any semester	.....60%
During the third week of any semester	.....40%
During the fourth week of any semester	.....25%

No refunds are made for withdrawals after the fourth week of any semester.

Full-time CCS students who withdraw from courses during the two-week add/drop period, revising their course load to less than 12 credits will be billed at the per credit hour CCS tuition rate. No adjustments will be made for courses dropped after the add/drop period.

Budgetary commitments require strict adherence to the policy regarding refunds. Appeals due to extenuating circumstances should be directed to the dean of CCS.

Refund policies for summer sessions may be found in the summer session catalog.

## Financial Aid

Students in CCS who are degree candidates, may be eligible for financial assistance from federal and other sources. To apply, students must complete the Free Application for Federal Student Aid (FAFSA). Application forms are available in the office of student financial services and from CCS. They are encouraged to consult a CCS advisor for general information or to contact the office of student financial services for specific information, 609-896-5360.

CCS has information available about financial aid resources for adult students. CCS students are welcome to examine this material in the CCS office.

Full-time students should also consult the office of student financial services for information regarding possible sources of financial aid.

## Pell Grants

Students who are degree candidates may be eligible for a Pell Grant. Information may be obtained from the office of student financial services.

## Stafford Loans

All states provide student loans, through local banks, to degree candidates who are enrolled for at least six semester hours of credit. Information about such loans may be obtained from the office of student financial services.

## Charlotte W. Newcombe Scholarships

The Charlotte W. Newcombe Foundation and Rider University have established a fund to provide scholarships for mature, second-career women. Women, age 25 or older, who have completed at least half of a baccalaureate degree program, are eligible to apply for partial tuition assistance. Applicants may be enrolled part-time or full-time. Application forms are available from CCS and SFS. Scholarships are awarded on the basis of clarity of career goals, financial need and academic record.

## Maida Scholarship

Two scholarships are awarded annually to newly admitted CCS degree candidates. Students must have previously completed a minimum of 12 credits either at Rider or in transfer, with a minimum cumulative 2.5 GPA to be eligible to apply. Applicants must be U.S. citizens or permanent residents. Scholarships, which are renewable for a maximum of three years in each class standing, are awarded on the basis of demonstrated financial need and academic record. First consideration given to Mercer County residents.

## Phyllis K. Snyder Memorial Scholarship

This scholarship is for CCS part-time mature female students pursuing a degree in business administration. Women, age 30 or older, raising a family while attending college and maintaining a 2.5 overall GPA are eligible to apply. The scholarship is based on financial need as well as merit. Applications are available at the CCS office and SFS.

## Transfer Scholarships

Rider offers Transfer Scholarships in the amounts of \$2,500 up to \$7,500 each for full-time matriculated students transferring to Rider with a minimum cumulative GPA. The scholarship is renewed each year provided the student maintains full-time status with a grade point average of at least 2.5. Contact the office of undergraduate admission for further information.

## Opportunities for High School Students

Academically talented 11th- and 12th-grade high school students who are interested in taking college courses and enriching their academic backgrounds may take appropriate courses at Rider University.

To apply, students should submit a special application form (available from the office of undergraduate admission), a high school transcript, and a letter of recommendation from their high school guidance counselor to the office of undergraduate admission. After approval for enrollment, students should contact CCS to determine appropriate courses and enrollment procedures.

## Registration

### Registration

Registration allows students to select courses for fall, spring, and summer sessions. The schedule of undergraduate day and evening courses to be offered is available in the CCS office and on the Rider Web site ([www.rider.edu/ccs](http://www.rider.edu/ccs)) prior to registration and should be used for schedule planning. Advisors are available to answer questions concerning courses and scheduling.

Dates for registration can be found in the calendar at the beginning of this chapter.

### Late Registration

Students who have not completed registration (including clearance with the bursar's and registrar's offices) during the registration period will be charged a late fee. Registration periods are published in this chapter. Students may register on a late fee basis during the first week of the schedule change period.

### Audit Registration and Alumni Audit Registration

Students who want to audit a course should consult the calendar at the beginning of this chapter. Rider alumni who want to audit a course may register in the CCS office (Bart Luedeke Center, suite 100) according to the calendar at the beginning of this chapter. Rider alumni may also call the CCS office at 609-896-5033. Course availability is on the Rider Web site.

# CONTINUING STUDIES

**For University Academic Policies and Procedures, see page 155.**

## Honors and Awards

### Dean's List

The Dean's List is prepared at the end of the fall and spring semesters to recognize matriculated students who have earned academic honors. To be eligible for the Dean's List, a matriculated student must have no grade lower than C and must achieve the grade point average indicated below for the number of credits earned in a given semester.

6-8 credits	3.5
9-11 credits	3.33
12 or more credits	3.25

### Andrew J. Rider Scholars

Fifty outstanding students are commended for scholastic excellence at Rider's annual Founder's Day Convocation honoring Andrew Jackson Rider. These scholars—four seniors, three juniors, and three sophomores from each of the educational units: Business Administration, Continuing Studies, Liberal Arts and Sciences, Education, and Westminster Choir College—are selected on the basis of their academic achievement.

### College of Continuing Studies Citation for Achievement

The College of Continuing Studies presents annual Citations for Achievement in recognition of the special strengths and accomplishments of adult students. Given each spring at the awards day ceremony, the citations are based on such factors as outstanding community service, professional achievement, pursuit of education in the face of unusual difficulties or handicaps, and general overall ability.

### Graduation

Upon recommendation of the faculty, degree candidates who complete the required program and have at least a 2.0 grade point average may be granted the degree appropriate to their program. In addition, specified grade point requirements for certain majors must be met.

Graduation with distinction depends upon meeting all requirements and attaining a high scholastic average. Baccalaureate degrees with distinction include cum laude (3.25-3.49), magna cum laude (3.5-3.74), and summa cum laude (3.75-4.0).

All graduates are invited to participate in the commencement exercises.

At the beginning of each semester, prospective graduates must file with the dean their formal intention to complete the requirements for graduation during that semester. Students are responsible for fulfilling the requirements for graduation and certification.

## Student Services Information

### ACADEMIC ADVISING

The College of Continuing Studies has a staff of advisors available to assist students with their academic planning. Upon entering CCS, each student is assigned an advisor who will discuss selection of courses, academic programs, degree requirements and concerns related to academic work. Advisors are available Monday through Thursday, 8:30 a.m. to 5 p.m., and on Friday, 8:30 a.m. to 5 p.m., during the fall and spring semesters. Advisors also are available in the evening during the summer months.

Prospective students with questions about Rider University and desiring a transcript evaluation are welcome to make an appointment with an academic advisor. An evaluation of transfer credits can be obtained at no obligation to the prospective student. Advisors are available during regular office hours.

### DISABLED STUDENTS

Rider attempts to meet the needs of students with disabilities by providing special services such as locating volunteers or paid assistants/attendants; providing elevator keys; assisting in locating readers for blind students; approving parking permits for the disabled, if needed; providing information counseling; authorizing special scheduling; recommending campus architectural adjustments; and serving as liaison between faculty, staff, students, and counselors.

### VETERANS INFORMATION

The degree programs of the College of Continuing Studies are approved under the Veterans Readjustment Benefits Act of 1966, as amended. An Application for Program of Education is available in the CCS office.

Students filing for benefits at Rider will be responsible for filing a copy of their DD 214 (separation papers) with the coordinator. Contact the coordinator at CCS, 609-896-5033 if there are any questions.

Students who are applying for, or who are receiving, VA benefits must matriculate before the completion of 24 credits at Rider. Students who have transferred from another college and have received 30 or more transfer credits should matriculate before they complete, or during the semester that they complete, 15 credits at Rider, in order to be eligible for certification for VA benefits. See the Undergraduate Procedures and Policies chapter of this catalog for specific benefits.



# CONTINUING STUDIES

## Westminster Choir College

Westminster Choir College of Rider University is a professional college of music located on a 23-acre campus in Princeton, NJ, seven miles north of Rider's Lawrenceville campus. Here, a Bachelor of Music degree is offered with majors in sacred music, music education, music theater, theory/composition, and in voice, organ, or piano performance. A Bachelor of Arts in Music degree is also offered for those who prefer a broader liberal arts component within a professional school context.

Choral music performance lies at the heart of the Westminster program, which involves daily choir rehearsals and required voice study for all its students. Preparation and performance of the choral/orchestral works at times takes precedence over all other facets of campus life. All undergraduates sing in one of the large ensembles: Chapel Choir or Symphonic Choir. Auditioned ensembles include the Westminster Choir, Williamson Voices, Westminster Kantorei, Jubilee Singers, and Concert Handbell Choir.

The Symphonic Choir has performed hundreds of times and made many recordings with the principal orchestras of New York, Philadelphia, and Washington. It has also performed in New York with many touring orchestras such as the Atlanta Symphony, Los Angeles Philharmonic, Berlin Philharmonic, and Vienna Philharmonic. Virtually every major conductor of the 20th century, from Toscanini and Walter through Bernstein,

Muti, and Masur, has conducted the Symphonic Choir during the 79 years of the college's history.

Full-time students from Rider's Lawrenceville campus may elect to enroll for one credit of private study in voice or piano on the Westminster campus during the fall and/or spring terms, for which there is no charge. Weekly half-hour private lessons are arranged on the Princeton campus at the mutual convenience of the student and instructor. Qualified Lawrenceville students may audition for organ study, for any of the choirs, or for advanced courses in music for which they meet the prerequisites at Westminster.

More complete information about Westminster programs may be found in its separate catalog or online at <http://westminster.rider.edu>.

## Office of Graduate Admission

Rider University offers several graduate degree and graduate-level certificate programs. For graduate admission information, call the office of graduate admission, 609-896-5036.

A Master of Business Administration and a Master of Accountancy can be pursued through the College of Business Administration. Students pursuing the Master of Business Administration may choose to concentrate their studies in the areas of entrepreneurial business, finance, global business, healthcare administration,

management, or marketing. For College of Business Administration academic assistance and guidance, call 609-896-5127.

The School of Education and department of education and human services offers a Master of Arts in the fields of counseling services; curriculum, instruction, and supervision; educational administration; human services administration; reading/language arts, and special education, as well as educational specialist degrees in counseling services and school psychology.

The School of Education also offers numerous graduate-level teaching certifications, early childhood education certification, teacher of the handicapped certification, programs leading to certification as a school supervisor, assistant superintendent for business, director of student personnel services, reading specialist, school psychologist and several more. For School of Education and department of education and human services academic assistance and guidance, call, 609-896-5353.

# Course Descriptions

Undergraduate Academic Catalog • 06/07

[www.rider.edu](http://www.rider.edu)

# COURSE DESCRIPTIONS

Students interested in calendar and course offerings for the summer sessions should consult the summer session catalog, available March 2007 from the College of Continuing Studies.

Unless otherwise noted courses are offered in the fall and spring semesters. Semester designations following course descriptions apply only to daytime scheduling.

The University reserves the right to cancel any course for which fewer than 10 students are registered.

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## Accounting (ACC)

### ACC-210 Introduction to Accounting 3 credits

A conceptual introduction to basic accounting principles and financial statements. Consideration is given to accounting for merchandising concerns, current assets, long-term assets, liabilities, and equity accounts. A brief overview of internal control and selected complex accounting topics is also presented.

### ACC-220 Managerial Uses of Accounting 3 credits

An exploration of how accounting information can be used as a management tool. Examines cost behavior patterns, cost classifications, and the problem-solving functions of accounting as they pertain to planning, control, evaluation of performance, special decisions, and long-range planning. The interpretation and uses of published financial statements, cash flow, and the effects of inflation are also considered. Prerequisite: ACC-210.

### ACC-302 Cost Management 3 credits

An introduction to procedures and systems used to monitor, report and control cost information. Addresses cost determination in various settings to include the new manufacturing environment and the service sector. Topics include cost systems, activity based costing, cost control, variable costing, standard costs, and cost allocation. Prerequisite: ACC-220 and CIS-185.

### ACC-310 Accounting Theory and Concepts I 3 credits

The first upper-level course in a comprehensive sequence in financial accounting. The conceptual framework, content, and structure of financial statements, present value concepts, current assets, current liabilities, property, plant, and equipment, intangible assets and non-current liabilities are studied. These topics are discussed in the context of professional standards and fundamental accounting concepts. Prerequisite: ACC-210.

### ACC-311 Accounting Theory and Concepts II 3 credits

A continuation of 310; professional standards and fundamental accounting concepts are stressed. Long-term investments, stockholders' equity, earnings per share, interperiod income tax allocation, accounting changes, revenue recognition methods, pension leases and cash flows analysis are also covered. Prerequisite: ACC-310.

### ACC-320 Accounting Information Systems 3 credits

Explores the needs of the organization to gather, process and report accounting information to interested users. Examines qualities of data for decision usefulness, the importance of internal control and applications of appropriate technology. Prerequisite: ACC-310.

# COURSE DESCRIPTIONS

## **ACC-335 Small Business Taxation**

3 credits

This course provides an understanding of the key tax issues faced by small businesses and their business implications. It also familiarizes prospective business owners with various tax filing requirements so that they can use the expertise of tax professionals more effectively. Prerequisite: ACC-210.

## **ACC-400 Principles of Auditing**

3 credits

The role of the independent certified public accountant in the audit of financial statements is examined. Topics include the audit environment, professional standards, audit methodology, and report preparation. A practice case is used to demonstrate and emphasize specific audit techniques. Prerequisites: ACC-302 and ACC-310.

## **ACC-405 Accounting Problems and Practice I**

3 credits

Topics include business combinations and financial reporting requirements for a variety of entities. Disclosure and SEC reporting issues are considered. Prerequisite: ACC-302, 311.

## **ACC-406 Accounting Problems and Practice II**

3 credits

Explores special issues in financial reporting, including the linkage between accounting methods and company policy, equity valuation, bond ratings and other decision areas. Serves as an integrative capstone, applying financial statement and data analysis tools to a variety of accounting settings. Prerequisite: ACC-405 or permission of department chair.

## **ACC-407 Accounting for Nonprofit Institutions**

3 credits

A conceptual presentation of fund accounting as used by municipalities, states, and the federal government, as well as procedures as they apply to schools, hospitals, and other nonprofit organizations. Prerequisite: ACC-311.

## **ACC-410 Fundamentals of Federal Taxation**

3 credits

Fundamental tax concepts applicable to individuals, partnerships, corporations, estates, trusts, and gifts are considered from a tax compliance and planning perspective. Preparation of individual and corporate tax returns is included. Prerequisite: ACC-310.

## **ACC-411 Advanced Federal Taxation**

3 credits

An expanded study of the topics discussed in Accounting 410. Includes tax research. Prerequisite: ACC-410.

## **ACC-420 Computer-Based Accounting and Auditing**

3 credits

Study of the principles, development, use, control, and audit of accounting information systems. Emphasizes applied and conceptual rather than theoretical issues. Includes personal computer use of software for accounting applications. Prerequisites: ACC-220 and CIS-185.

## **ACC-490 Independent Research and Study**

3-4 credits

Topic to be approved by professor and department chairman. Available for juniors and seniors. No more than 12 credits allowed toward graduation.

## **ACC-491 Summer Accounting Internship**

3 credits

This honors course provides the student with approximately two months of supervised employment with participating companies. Students are evaluated periodically by senior staff members of the participating firms and are required to complete a term paper that will be reviewed by the department's internship director. Prerequisite: permission of instructor. summer

## **ACC-492 Winter Accounting Internship**

1 credit

This honors course provides the student with one month of supervised employment with participating employers. Students are evaluated by the employers and are required to complete a term paper, which will be reviewed by the department's internship director. Prerequisite: permission of instructor. Pass/fail. spring

## **Advertising (ADV)**

### **ADV-300 Advertising Principles**

3 credits

(Formerly MKT-335) Basic theory, functions, principles, and applications of advertising are the focus of this course. The relation of advertising to our economy, the advertising department and the ad agency, selection of media, advertising practices, and the use of research to improve advertising techniques are covered. Prerequisite: MKT-200. Required for advertising majors.

### **ADV-311 Advertising Copy and Layout**

3 credits

(Formerly MKT-410) Development and planning of creative and strategic advertisements for a variety of products. The course includes creating concepts for ads, designing ads, and writing copy for all media. The student will become familiar with the activities and responsibilities of copywriters and art directors. The relationship between creative advertising and other functions of advertising will be emphasized. Prerequisites: ADV-300, COM-212, senior standing or permission of instructor. Required for advertising majors.

### **ADV-315 Media Planning and Strategy**

3 credits

(Formerly MKT-420) Procedures and problems encountered in determining appropriate media in which to place specific kinds of advertising messages designed to reach closely defined target audiences. The advantages and disadvantages of all media will be discussed from an advertising perspective. Specific audience and cost calculations and analyses will be used to develop comprehensive media plans. Prerequisites: ADV-300; senior standing or permission of instructor. Required for advertising majors.

### **ADV-411 Advanced Advertising Copywriting**

3 credits

(Formerly MKT-411) Advanced Advertising Copywriting is an intensive course in copywriting for print media. It focuses on generating creative ideas through divergent thinking and writing different styles of headlines and body copies. It also explores the relationship between copy styles and benefits/appeals for different product categories. Students will be able to further enhance their skills in creative advertising copywriting and expand individual portfolio for their job search.



# COURSE DESCRIPTIONS

## ADV-435 Advertising Campaigns

3 credits

(Formerly MKT-435) This capstone course for advertising majors provides an opportunity for students to plan comprehensive advertising campaigns. Coverage includes segmentation research, creative development of the campaign, media planning, and determining advertising effectiveness. Integration of advertising into the marketing program will be emphasized. Prerequisites: ADV-311, ADV-315; advertising major or minor, senior standing or permission of instructor. Required for advertising majors.

## ADV-490 Independent Research and Study

1-4 credits

(Formerly MKT-490) Topic to be approved by the professor and department chairperson. Available for juniors and seniors. No more than 12 credits allowed toward graduation, which may be counted as a business or free elective.

## ADV-491 Internship-Based Independent Study

3 credits

(Formerly MKT-491) Provides the student an opportunity to supplement and apply classroom work in supervised employment with participating marketing and advertising firms. Requirements include a journal with a log of daily activities, and a project or term paper presented to and evaluated by the internship sponsor. Evaluation will also include a report by the company on the intern's performance. Credits may be used to satisfy business or free elective requirements. Prerequisite: permission of instructor.

## American Studies (AMS)

### AMS-200 Introduction to American Studies

3 credits

An introduction to various historical definitions of the American experience or national identity, to selected topics which have been used to explain that identity, and to methods of study in the field.

### AMS-210 Growing Up American

3 credits

Studies the maturation and socialization process in modern America through comparative analysis of autobiographical texts and students' personal experiences. Texts represent the experiences of young Americans of both sexes and of different class, racial, ethnic, religious, and regional backgrounds. spring

### AMS-211 Sports in American Life

3 credits

Literary, sociological, and psychological views of sports in 20th-century American life are examined, focusing on sports as a symbol and reflection of our ideals and tensions.

### AMS-212 American Ethnic Groups: Irish, Jewish, and Italian Americans

3 credits

Focusing chiefly on the 19th and 20th centuries, the historical experiences of three major ethnic groups—Irish, Jewish, and Italian Americans—are examined, tracing them from their European origins to the present in the United States. fall

### AMS-213 The American Myth in Literature, Landscape, and Music

3 credits

A study of the New World and related myths from an interdisciplinary perspective. Students will read essays, fiction, and poetry by Poe, Melville, Emerson, Whitman, James, and others. Paintings and musical works embodying New World concepts will be examined in connection with the above authors.

### AMS-214 Special Topics in American Studies

3 credits

Studies in specialized areas of American culture, including travel courses to New Orleans and Spoleto USA. Topics change each semester and are listed in the course roster.

### AMS-215 Alfred Hitchcock in America

3 credits

Explores the influence of American culture on the films of Alfred Hitchcock following his immigration to the United States. Students will study one of the cinema's greatest auteurs through the lens of American culture and its impact on Hitchcock's European sensibility. Also explores the reverse dynamic: how Hitchcock transformed American cinema.

### AMS-225 American Folklore

3 credits

An introduction to folk language, custom, and material culture in the United States. Proverbs, myths, legends, and tales; superstitions; music; arts and crafts are treated from both aesthetic and social perspectives. Students will collect and examine folklore within their own cultural contexts.

### AMS-226 The New South in Literature, Music, and Film

3 credits

An exploration of Southern culture since World War II and how it has influenced American society as a whole. In literature, music, and film, the Sun Belt has been a significant, innovative region. From the spread of New Orleans jazz through the plays of Tennessee Williams to the fiction of Flannery O'Connor, Southern art has helped shape the larger American culture; this course examines that influence from an interdisciplinary perspective.

### AMS-227 The Philosophy of Martin Luther King, Jr.

3 credits

A study of Martin Luther King, Jr.'s philosophical writings and his impact on the civil rights movement. King's legacy will be studied in the context of pacifism and nonviolence in America. Readings will include selections from King's books, articles, speeches, and sermons and critical assessments of the significance of his thought.

### AMS-228 Studies in American Jewish Culture

3 credits

Focuses on important fiction, criticism, social/philosophical commentary, history, and films by 20th-century Jewish American intellectuals, including Michael Gold, Anzia Yezierska, Saul Bellow, Bernard Malamud, Philip Roth, Cynthia Ozick, Grace Paley, Rebecca Goldstein, Art Spiegelman, Arthur Hertzberg, Leslie Fiedler, Chaim Potok, Woody Allen, and David Mamet.

### AMS-229 American Popular Culture

3 credits

An exploration of American popular culture and its profound impact on both the United States and the rest of the world. Pop-culture theorists regard American culture as a dominant force; this course examines the development of this trend from historical, political, and artistic perspectives.

### AMS-250 America and the Future

3 credits

Examines the projections of the American future in terms of the past and present. Emphasizes American studies methodologies, drawing upon philosophical, literary, environmental, and other varieties of futuristic speculations. fall

# COURSE DESCRIPTIONS

## **AMS-304 Technology and Science in America**

3 credits

An overview of the development and impact of technology and science on American institutions. Topics include innovation, economic growth, science and its relation to technology, social theory, and the politics of science. spring

## **AMS-305 Religion in America**

3 credits

Introduces the changing patterns of American development from the sectarianism of colonial America to the pluralism and growing secularism of the 20th-century American religious scene.

## **AMS-306 Poetry and Poetics in American Culture**

3 credits

Examines American poetry and poetics in relation to American culture and history of the 18th through the 21st centuries. Students read poems and statements about poetry, view artworks, hear recordings, and examine hypertext versions of poems.

## **AMS-310 The American Identity in the Arts**

3 credits

Studies the place of the arts and the position of the creative artist in contemporary American society, with particular emphasis on the problems of the artist's search for an American identity in the complex cultural milieu. Main emphasis is on the analogous positions of poets between 1910 and the present.

## **AMS-311 Radicalism in 20th-Century America**

3 credits

Discusses a number of radical intellectual, literary, and political movements, organizations, and parties from the points of view of their members and leaders, and their historical genesis and development within the context of 20th-century American political life. spring

## **AMS-312 American Photography**

3 credits

An intensive analysis of the documentary, aesthetic, and expressive significance of photography in American culture from 1850 to the present. Particular emphasis on the interrelationships between photography and developments in American history, painting, literature, and the social sciences. This course does not deal with the technical aspects of still photography.

## **AMS-338 The Social Impact of Rock and Roll**

3 credits

Explores rock and roll music as a communication medium of American popular culture. The focus is on both how rock and roll music has influenced, and is influenced by, society. It addresses the origins, development and impact of rock music in relation to some of the critical cultural dynamics that provided not only its context, but also much of its content.

## **AMS-400 Seminar in American Studies I**

3 credits

A study of arts and letters in America from the Puritan period through the Civil War. Should be taken junior year if possible. Prerequisite: AMS-200. spring

## **AMS-401 Seminar in American Studies II**

3 credits

A study of arts and letters in America from Reconstruction to the present. Should be taken junior year if possible. Prerequisite: AMS-200. fall

## **AMS-490 Independent Research and Study**

1-4 credits

## **AMS-491 Internship in American Studies**

1-4 credits

A supervised work experience in an approved organization to gain knowledge of various manifestations of American society in workplace settings. Placements can be made in business, government and non-profit organizations and local grassroots movements that draw on the knowledge acquired in the American studies curriculum.

## **Baccalaureate Honors (BHP)**

### **BHP-100 Honors Seminar: Great Ideas I: Freshman Baccalaureate Honors Seminar**

3 credits

Great ideas of Western civilization are studied in their cultural and historical context and from an interdisciplinary perspective. Traces the impact of these ideas on society, politics, economics, science, and the arts. This writing-intensive course substitutes for CMP-120 Expository Writing. Freshmen only. fall

### **BHP-130 Honors Seminar: Variable Topic**

3 credits

(Formerly Honors Seminar: Visions and Nightmares: The Gothic Sensibility) An introduction to the methodology and techniques of interdisciplinary study and the Baccalaureate Honors Program, this course will develop critical thinking and reading skills as well as oral and written expression. Topics will vary according to the instructors' areas of expertise and have included "The Gothic Sensibility" and "Law and the Arts." Students may consult the course roster or the BHP director for the current topic. The course is designed for introductory students with Advanced Placement credits in English composition and does not substitute for CMP-120 Expository Writing or CMP-125 Research Writing.

### **BHP-150 Honors Seminar: Great Ideas II: Freshman Baccalaureate Honors Seminar**

3 credits

This course is a continuation of Great Ideas I, the introductory Freshman Baccalaureate Honors Seminar. Great ideas are studied in their cultural and historical contexts and from an interdisciplinary perspective, tracing the impact of these ideas on society, politics, economics, science, and the arts. This writing-intensive course substitutes for CMP-125 Research Writing. Student is guided in writing an effective research paper. Freshmen only. spring

### **BHP-201 Honors Seminar: The Age of Shakespeare - A Study in Cultural History**

3 credits

A study of the cultural history of Elizabethan and Jacobean England and of its visual and literary arts. More specifically, the course will investigate the peculiarly English synthesis of the old and new, Medieval and Renaissance, Continental and English in the arts and ideas of the Age of Shakespeare.

### **BHP-206 Honors Seminar: Politics and Literary Form**

3 credits

This course investigates the relationships between political life and literary form. Students will analyze literary texts in the context of selected political periods and ideologies, going beyond literary content to understand how language, genre, and structure mirror, otherwise represent, or criticize the political order within which the author writes.

# COURSE DESCRIPTIONS

## **BHP 213 Honors Seminar: Text and Context**

3 credits

A study in the major themes of a period of cultural change as they are expressed in important social scientific, literary, and artistic works. Students will immerse themselves in a single major literary work and will interpret it in light of a number of coordinate texts and works from the social sciences, from contemporary comment, and from the arts which illuminate the major themes.

## **BHP-223 Honors Seminar: Literature of the Fantastic in England and the Americas**

3 credits

Explores the literature of the fantastic in England and the Americas, with an emphasis on ghost stories, horror fiction, and dark fantasy from the Gothic period to the present. Specifically, the course will address the distinctive atmosphere, cultural influences, and narrative strategies of spectral fiction as practiced by English, American, and Latin American authors.

## **BHP-226 Honors Seminar: Moments of Vision: The Painter or the Poet**

3 credits

This course will concern itself with the intellectual and aesthetic processes of painting and poetry. It will also deal with Horace's famous simile "Ut Pictura Poesis" – as is painting, so is poetry – and Aristotle's contention (in *The Poetics*) that human nature in action, the movements of the body that express the affection and passion of the soul are the spirit and life of painting and poetry.

## **BHP-230 Honors Seminar: Political Culture of the High-Tech Society: From the Authentic to the Synthetic**

3 credits

Explores social, political, and cultural transformations associated with the radical extension of cybernetic and reproductive technologies in modern society. In particular the course will focus on the impact of new so-called high technologies such as computer-based communications, robotics and biotechnology on such areas as the structure of the world economy, the organization of work, patterns of consumption, styles of popular culture, the design of private and public space, and the liberal-democratic political process.

## **BHP-231 Honors Seminar: Natural Adventures: Journeys in American Ecology and History**

3 credits

Examines the linkages between environmental history, biology and ecology. Human attitudes toward the natural environment are complex and have changed over time, ranging from terror to exultation and exploitation to preservation. Focus will be on the impact of changes in human land use and technology on natural ecosystems, exploring feedbacks between the two. Hands-on experiences will supplement readings from the primary literature both in science and history as well as literary explorations of nature. This course is designed for students fascinated by the landscape of the U.S. and the environmental impact of human actions.

## **BHP-232 Honors Seminar: Issues at the New Jersey Shoreline: Science and Politics**

3 credits

(Formerly BHP-110) This course is designed to acquaint the student with the scientific basis for evaluation of coastal problems and the political realities of funding and policy, focusing on the New Jersey Shoreline. Course topics will include consideration of waste disposal in ocean systems, depletion of ocean resources, physical and biological ramifications of human activities on the environment, and the political problems in dealing with mitigation of environmental stresses.

## **BHP-300 Honors Seminar: Cultural Politics: Cinema, Spectacle, Literature**

3 credits

This interdisciplinary course in cultural politics seeks to identify the ways in which modernist and postmodernist film and literature have supported and deconstructed (unveiled and undermined) socio-economic and sexual power. Using critical tools derived from American, European, and Latin American political, cultural, literary, and feminist theory, the course will analyze the ideological contents and accompanying formal strategies which structure the works of such filmmakers as Buñuel, Godard, Fellini, Marleen Gorris and Fassbinder, and of such writers as Garcia Lorca, Borges, Boll, Garcia Marquez, and Monique Wittig.

## **BHP-303 Honors Seminar: The Politics and Philosophy of the Sixties**

3 credits

Examines three major American political movements of the 1960s – the black movement, the student movement, and the feminist movement – with an emphasis on the interactions among philosophy, politics, and culture. These themes are studied using original sources including theoretical writings by the movements' main proponents and texts describing particular events and developments in political and social history. Source materials may also include documentary films and recordings which represent the cultural assumptions of the period.

## **BHP-304 Honors Seminar: Europe's Armageddon: The First World War in History and Literature**

3 credits

An investigation into the history and literature of World War I in order to understand how it shaped the civilization of the 20th century and how it affected the lives of those who experienced it.

## **BHP-309 Honors Seminar: Genetic Engineering and the Philosophy of Science**

This interdisciplinary course in molecular biology and philosophy will integrate the basics of molecular biology with the philosophy of science. It will explore the nature of the relationships between atoms, molecules, DNA, proteins, cells and genetic engineering. Molecular biology will be used as the content to explore such philosophic questions as: What is the nature of scientific methodology? What is the nature of scientific observation and explanation? What is the nature of scientific laws and theories? It will also discuss the scientific and ethical implications of genetic engineering.

## **BHP-310 Honors Seminar: European Historical Fiction in the 19th Century**

3 credits

This course involves reading major European historical novels of the 19th century. Students will discuss why the vogue for historical fiction began and why the novel of Sir Walter Scott had such a tremendous impact on the genre. Examined will be such questions as the definition of historical fiction, the importance of historical accuracy, the relationship of literature and history, and the influence of historical differences in the development of historical fiction in different countries.



# COURSE DESCRIPTIONS

## **BHP-312 Honors Seminar: Musical Expression and Political Culture**

3 credits

This interdisciplinary course examines the relationships between political culture (e.g., enlightened reform, revolution or reaction) and musical discourse in periods selected from Viennese classicism, Biedermeier/romanticism, post-romanticism and expressionism. Major emphasis will be placed upon how composers such as Mozart, Beethoven, Schubert, Mahler and Schoenberg exploited and developed musical forms, and chose and set texts to respond, affirmatively or not, to the imperatives of their political and cultural environments. Students will investigate how musical expression was affected by, among others, the decline of aristocratic patronage, the changing concert audience as a consequence of the rise of the middle class, and changes in vocal and instrumental resources. They will also come to understand how these composers were instrumental in shaping and organizing the sensibilities and tastes of their own and future generations, including our own.

## **BHP-314 Honors Seminar: Symbolism and Impressionism**

3 credits

This interdisciplinary course examines Symbolist literature and Impressionist music. Two generations of writers and composers, and their influences on one another, will be studied. Discussion in each class will compare literature and music. This seminar will question and seek to understand the Symbolist aesthetic, which assumes that correspondences exist among sounds, colors, and words. Students will come to understand some interrelationships between literary musical creativity in the late 19th and 20th centuries, by studying the Symbolist literature movement in music history—two movements that had significant impact on Modernism and that continue to influence contemporary creative work.

## **BHP-318 Honors Seminar: The Bible as Literature and Philosophy**

3 credits

In this course students will read and discuss selections from the three major divisions of the Bible: the Old Testament, the New Testament, and the Apocrypha. Stories such as Joseph and his brothers, Exodus, Samson and Delilah, Jonah and the Whale, Susannah and the Elders, the raising of

Lazarus and the trial and execution of Jesus will be read. Students will study many genres, including the short story (*The Book of Ruth*), poetry (Psalms), history (I and II Samuel), apocalypse (Revelations), letters (I and II Corinthians) and philosophical tales (*The Book of Job*).

## **BHP-319 Honors Seminar: The Arts of Memory**

3 credits

Collective memory, cultural memory, computer memory, crises of memory: this course will explore different ideas about memory through a variety of disciplinary lenses within the humanities: film, music, rhetoric, literature, history, and fine art. Topics will include the nature of group and cultural memory, mnemotechnica (the structures and techniques of memory), the representation of memory, memory anomalies and problems, and historical and national memory.

## **BHP-320 Honors Seminar: Gender and Music**

3 credits

Through listening and reading assignments, this interdisciplinary course introduces students to the role of gender in shaping the creation, performance, and reception of Western music. Topics include canon formation and the reception history of works by male and female composers; the historical conditions in which women became composers, performers, listeners, and patrons; the musical representations of gender difference and sexuality; definitions of feminine and masculine musical style; ideologies of genius; and gender issues in music aesthetics, music historiography, and in the biographies of composers.

## **BHP-322 Honors Seminar: The Guilty and the Innocent: Assessing Blame and Assigning Punishment in Literature and Law**

3 credits

Through the study of social theory and research, legal cases, fiction, non-fiction, film and poetry, this course will examine theories of criminal motivation and behavior, determination of blame, and assignment of appropriate punishment. Changes in legal and cultural understandings of individual and social responsibility for criminality, the nature, purpose, and effects of punishment, and the impact of race, class and gender on defining crime and determining guilt or innocence will be explored.

## **BHP-499 Baccalaureate Honors Thesis**

3 credits

## **Biochemistry (BCH)**

### **BCH-325 Biochemistry I**

3 credits

Outlines the chemistry and biological function of carbohydrates, proteins, lipids, nucleic acids, vitamins, and enzymes, and introduces enzyme kinetics and biological energetics. Degradative metabolic pathways of carbohydrates and lipids, and their controlled interrelationships are discussed in detail. Prerequisite: CHE-214. fall

### **BCH-326 Methods in Biochemistry and Enzymology I Laboratory**

1 credit

The laboratory work illustrates techniques and methods essential to the biochemist. Methods for quantification of proteins, purification of enzymes and determination of their kinetic parameters, polarimetry, and structure proof of carbohydrates. The lab must be taken concurrently with Biochemistry 325 by biochemistry and biology majors, but is optional for others. Prerequisites: CHE-123, CHE-214. fall

### **BCH-330 Advanced Cellular and Molecular Biology**

3 credits

Continuation of Biochemistry I. Includes anabolic processes involved in amino acid, nucleotide, and steroid biosynthesis. Other topics include a molecular-level analysis of DNA replication, transcription, translation, hormone action, pro-karyotic, and eukaryotic gene regulation. Prerequisite: BCH-325 or permission of instructor. spring

### **BCH-331 Advanced Cellular and Molecular Biology Lab**

1 credit

A hands-on laboratory investigation designed to expose the student to cutting-edge techniques in molecular biology. Students will investigate gene expression in various organisms using the polymerase chain reaction (PCR), gene cloning and sequencing, Northern and Southern blot analysis and in situ hybridization techniques. Prerequisites: BCH-326, BIO-265 or permission of instructor. spring



# COURSE DESCRIPTIONS

## BCH-425 Medicinal Chemistry

3 credits

A comprehensive description of the important principles of medicinal chemistry including principles of rationale drug design with synthetic strategies, mechanisms of drug actions, structure-activity relationships, the absorption, distribution, metabolism and elimination of drugs. Specific classes of drugs to be discussed include: anticancer agents, analgesics, anti-inflammatory drugs, steroids, drugs acting on the nervous system and antibiotics. Prerequisite: BCH-325 or permission of instructor.

## BCH-490 Independent Research and Study

1-4 credits

Immerses the student in laboratory research. The student learns to organize material, use the literature, make precise measurement, and obtain reproducible data. If possible, the student will publish the results or present them at a scientific meeting.

## BCH-491 Internship in Biochemistry

1-4 credits

A supervised research experience in an approved organization where qualified students gain real-world knowledge and utilize their academic training in a professional environment. Placement may be in private, public, non-profit or governmental organizations under the guidance of a mentor. The mentor and student will have regular consultation with the departmental internship coordinator to assess the student's progress. Normally, 50 hours of internship per credit is required. The grade for the course will be determined by the students' overall performance in their research work, a research paper documenting their work with their internship mentor and an oral or poster presentation at the end of the semester. Prerequisite: 2.5 GPA and permission of the instructor.

## Biology (BIO)

### BIO-100 Life Science: Human Emphasis

3 credits

An examination of mammalian physiology and development at the cellular and organ system level, with emphasis on physiological homeostasis in man. Three lectures per week.

### BIO-101 Life Science: Cell Biology and Genetics Emphasis

3 credits

An examination of cell biology and genetics, with emphasis on the impact of these fields on human affairs. Three lectures per week.

### BIO-103 Life Science: Ecobotanical Emphasis

3 credits

Plant biology with emphasis on ecological interactions and economic uses. Three lectures per week.

### BIO-106 Life Science: Human Disease Emphasis

3 credits

An introduction to molecular, cellular, and human biology with emphasis upon diseases and disorders caused by mutation, bacteria, viruses, or parasites. The biology of human aging is also discussed. Three lectures per week.

### BIO-108 Life Science: The Biology of Human Aging

3 credits

An introduction to the biology of aging manifest in the cells, tissues, and organs of animals and humans. Three lectures per week.

### BIO-110 Life Science: Inquiry Approach

4 credits

An introductory course for non-science majors in which students develop an understanding of biological evolution, the molecular basis of heredity, the cell, matter, energy and organization in living systems, and the interdependence of organisms. In addition, students will develop an understanding of science as a human endeavor, the nature of scientific knowledge, and historical perspectives. Through investigative activities, students will develop an understanding about scientific inquiry and develop abilities necessary to do scientific inquiry. Three lectures and one three-hour laboratory per week.

### BIO-115 Principles of Biology: Evolution, Diversity, and Biology of Animals

4 credits

An introductory biology course focusing on animal form and function. Evolution, genetics, physiology and ecology are emphasized. Three lectures and one three-hour laboratory per week.

### BIO-116 Principles of Biology: Evolution, Diversity, and Biology of Plants

4 credits

An introductory biology course focusing on plant form and function. Evolution, genetics, physiology and ecology are emphasized. Three lectures and one three-hour laboratory per week.

### BIO-117 Principles of Biology: Evolution, Diversity, and Biology of Cells

4 credits

An introductory biology course focusing on basic cell biology. Cell diversity and function, genetics and biotechnology are emphasized. Three lectures and one three-hour laboratory per week.

### BIO-206 The Pharmaceutical Industry

3 credits

An introduction to drug discovery and development. Topics include how drugs are used to diagnosis, cure, treat, and prevent disease and how drugs affect body function. The origins of diseases and the early attempts at treatment are also covered. Designed for business majors; does not satisfy requirements for the biology major. Prerequisite: BIO-100 or BIO-101 or BIO-106 or BIO-108 or BPY-107 or CHE-115.

### BIO-210 Hospital Intern Program

2 credits

An internship that provides students with the experience in the practical aspects of medicine. Major departments in the hospital such as the emergency room, operating room, clinic, radiology, and the laboratory will be open for student rotations. Field trips to various medical schools in the area will provide information on professional school educational opportunities available in the health professions. Prerequisites: sophomore standing or above and permission of instructor.

# COURSE DESCRIPTIONS

## **BIO-215 Environmental Microbiology**

4 credits

An introduction to the discipline of microbiology, with an emphasis on the biology of prokaryotes found in all the natural realms of our environment, including the oceans, soil, atmosphere, and extreme habitats. Emphasis will be placed on microbial diversity, fundamental microbial processes, and the continual interaction between microbes and the natural environment. Classical and modern methods of identification are introduced in the laboratory. Three lectures and one three-hour laboratory per week. Some field trips are required. Prerequisites: two semesters of BIO-115, BIO-116 or BIO-117 and CHE-120 strongly recommended.

## **BIO-221 Human Anatomy and Physiology I**

4 credits

A comprehensive survey of the structure and function of musculo-skeletal systems, neuroendocrine systems and related tissues and cellular interactions. Physiological applications include homeostasis, muscle dynamics and cell activities. Laboratory exercises complement lecture material through the use of animal dissections, wet labs, computer-assisted investigations, microscopy and models. Exams, case histories, personal investigations and lab practicums assess learning. Course emphasis supports allied health and pre-professional training. The course material is sequential: BIO-221 must be successfully completed before admission to BIO-222. Designed for allied health students; does not satisfy requirements for the biology major. Prerequisite: BIO-115.

## **BIO-222 Human Anatomy and Physiology II**

4 credits

A comprehensive survey of the organ systems of the body including special senses, cardiovascular, respiratory, digestive, excretory, reproduction and development. Physiological components include electrolytes, metabolism, nutrition and the mechanisms of homeostasis and cell reception. Lab studies support lecture material through dissections, wet labs, computer-assisted learning, microscopy and models. Assessment includes lab practicums, exams and reports. Course emphasis supports allied health and pre-professional training. Designed for allied health students; does not satisfy requirements for the biology major. Prerequisites: BIO-221 and CHE-120, CHE-121, CHE-122, CHE-123 recommended.

## **BIO-250 Field Natural History**

4 credits

Identification, life history, and interrelationships of plants and animals in natural landscapes of New Jersey. Field, lab, discussion and lecture exercises will prepare students to lead informative and safe nature walks. Nature writing and natural resources management also covered. Three lectures and one three-hour laboratory per week; most labs take place outdoors. Two Saturday field trips (laboratory time will be adjusted accordingly). Designed for education majors; does not satisfy requirements for the biology major. fall

## **BIO-265 Genetics**

4 credits

An examination of transmission, cyto-, bacterial, molecular, developmental, quantitative, and population genetics. Emphasis will be placed on genetic analysis. Laboratory investigations will include Mendelian, cytogenetic, and molecular analyses of a variety of model systems (*Drosophila*, ascomycetes, *E. coli*, plants, humans). Three lectures and one three-hour laboratory per week. Prerequisites: BIO-115, BIO-116 or BPY-275, BIO-117. spring

## **BIO-272 Introduction to Marine Biology**

3 credits

Introduces students to the study of marine environments, emphasizing the diversity, ecology, and physiology of marine animals, algae, and plants. Aspects of the human impact on marine environments are also discussed. Prerequisites: BIO-115, BIO-116 recommended.

## **BIO-272L Marine Biology Laboratory**

1 credit

Exercises reinforce principles of marine biology through examination of organisms, dissections, field trips, aquarium maintenance, and the collection and analysis of data from coastal marine environments. Some full-day field trips (usually on a weekend) are required. Prerequisite: current or prior enrollment in BIO-272.

## **BIO-300 Developmental Biology**

4 credits

Lectures and laboratories explore molecular, cellular and genetic mechanisms of animal development. Aspects of gametogenesis, fertilization, induction, cytoplasmic determinants, morphogenetic movements, differentiation and developmental evolution are discussed. Three lectures and one three-

hour laboratory per week. Prerequisites: BIO-115, BIO-116 or BPY-275, BIO-117.

## **BIO-305 Vertebrate Physiology**

4 credits

Study of the principles and mechanisms of mammalian physiology. Topics include the nervous system, muscle physiology, cardiovascular physiology, respiration, gastrointestinal activity, renal function and endocrine physiology. Lectures and laboratory exercises emphasize homeostatic mechanisms and organ-system interactions. Three lectures and one three-hour laboratory per week. Prerequisites: BIO-115, BIO-116 or BPY-275, BIO-117.

## **BIO-315 Medical Microbiology**

4 credits

Biology of prokaryotes of medical interest with emphasis placed on diversity and host-pathogen interaction. Current research literature will be covered and presented by students. Methods of microbial identification are introduced in the laboratory and applied in the identification of mock clinical isolates. Three lectures and one three-hour laboratory per week. Prerequisites: BIO-115, BIO-116 or BPY-275, BIO-117. spring of alternate years

## **BIO-335 Modern Plant Biology**

4 credits

Biology of seed plants, including growth, development, and reproduction of flowering plants. Emphasis is placed on acclimation and adaptations demonstrating environmental influences on plant structure and function. Current literature involving molecular mechanisms of control will be discussed. Three lectures and one three-hour laboratory per week. One Saturday field trip. Prerequisites: BIO-115, BIO-116, CHE-122.

## **BIO-350 General Ecology**

4 credits

An investigation of the processes that regulate the distribution of plants and animals throughout the biosphere. Relationships among species and their interactions with the environment are stressed. Quantitative analyses of experimental results and current research in basic and applied ecology are discussed. Laboratory activities explore conceptual models using both field activities and computer simulations. Three lectures and one three-hour laboratory per week. One Saturday field trip (laboratory time will be adjusted accordingly). Prerequisites: BIO-115 and BIO-116 or equivalent.

# COURSE DESCRIPTIONS

## BIO-370 Immunology

4 credits

An introduction to the cells and molecules of the immune system with emphasis on recent advances. Topics include AIDS, autoimmunity, transplantation, and cancer. Readings from current journals will be discussed and presented by students. The laboratory will introduce current research techniques and then apply these to a research problem with critical analyses of the data generated. Three lectures and one three-hour laboratory per week. Prerequisites: BIO-115, BIO-116 or BPY-275, BIO-117. Spring of alternate years

## BIO-372 Behavior of Marine Organisms: An Evolutionary Approach

4 credits

An examination of the underlying mechanisms and evolutionary causes of behavior, including habitat use, feeding, and mate choice, particularly in marine organisms. The laboratory will involve collecting, analyzing and interpreting field data and performing experiments in the lab using a variety of marine organisms including fish and crabs. Three lectures and one three-hour laboratory per week. Some full-day field trips (usually on a weekend) are required. Prerequisites: BIO-115, BIO-116 or BPY-275.

## BIO-400 Seminar in Cellular and Molecular Biology

3 credits

Critical analysis of the scientific literature pertaining to current topics in cell and molecular biology. Topics may include: genomics, regulation of gene expression, development, molecular processes of disease. Three lectures per week. Prerequisites: BIO-115, BIO-116 or BPY-275, BIO-117, junior standing, and permission of instructor.

## BIO-416 Bioinformatics

3 credits

A comprehensive overview of relevant computer-based technologies used in genome research, DNA sequence analysis, and evolutionary biology. Will focus extensively on Internet resources and predictive algorithm usage for determining evolutionary relationships of organisms based on molecular evidence. Lectures will focus on terms and concepts frequently used in genomic and bioinformatic research, while computer labs will allow students to perform hands-on projects with actual DNA sequence data. Prerequisites: BIO-117, BIO-265 recommended.

## BIO-420 Seminar in Organismal Biology

3 credits

Critical analysis of the scientific literature pertaining to current topics in physiology and organismal biology. Topics may include hormonal control of behavior, immune pathogen interactions, and other aspects of whole animal and/or plant biology. Three lectures per week. Prerequisites: BIO-115, BIO-116 or BPY-275, BIO-117, junior standing, and permission of instructor.

## BIO-450 Seminar in Ecology and Evolution

3 credits

Critical analysis of the scientific literature pertaining to current topics in ecology and evolutionary biology. Ecology and evolution of terrestrial and aquatic systems may include scales of adaptation, mechanisms or human impacts. Three lectures per week. Prerequisites: BIO-115, BIO-116 or BPY-275, BIO-117, junior standing, and permission of instructor.

## BIO-490 Independent Research and Study

1-4 credits per semester

## BIO-491 Internship in Biology

1-4 credits

A supervised work experience in an approved organization where qualified students gain real-world knowledge and utilize their academic training in a professional environment. Placement may be in private, public, non-profit, or governmental organizations. These can include educational or research institutions. The method of evaluation will be formalized prior to the approval of the internship by the sponsoring faculty and should include keeping a journal of activities, a term paper or project report and a poster presentation. Prerequisite: 2.5 GPA and permission of the instructor.

## Biopsychology (BPY)

### BPY-107 Life Science: Biopsychology Emphasis

3 credits

An introduction to the biology of the human brain and the rest of the human nervous system. Topics in neuroscience are covered in molecular, cellular, and systematic terms. Additional material is presented on the origins and effects of neurological and psychiatric diseases.

## BPY-275 Behavioral Neuroscience

4 credits

An introductory course including basic neuroanatomy and neurophysiology of movement, ingestive, reproductive, emotional and learning behaviors. Emphasis is on the structure/function relationships that allow animals to make appropriate physiological and behavioral responses to the environment. Three lectures and one three-hour laboratory per week. Prerequisite: BIO-115.

## BPY-310 Neurobiology

4 credits

A lecture-laboratory course investigating the structure and function of the nervous system. Lecture topics include organization of the nervous system, neuroanatomy, neurophysiology, neurochemistry, physiology of sensory systems, biological aspects of nervous system diseases, and behavior. Laboratory exercises include study of anatomy of the nervous system, nerve cell recording, modern neuroanatomical techniques, and the neural basis of animal behavior. Three lectures and one three-hour laboratory per week. Prerequisites: BIO-115, BIO-117, BPY-275 recommended.

## BPY-360 Neurochemistry

4 credits

Examines the fundamentals of neurochemistry, including the neuroanatomical distribution, pharmacology, and functions of neurotransmitters; signal transduction pathways; behavioral and physiological effects of chemicals either used therapeutically to treat biopsychological disorders or that may be abused for their psychotropic effects; and mechanisms and models for the study of drug action. Three lectures and one three-hour laboratory per week. Prerequisites: BIO-115, BIO-117, CHE-122, CHE-123.

## BPY-375 Neuroethology: The Neural Circuits of Behavior

4 credits

Neuroethology is the study of the neural and physiological basis of animal behavior. This course focuses on the specific behavioral problems faced by animals in their natural habitats, and the ways in which their nervous systems solve these problems. The mechanisms that underlie complex behaviors such as spatial orientation and navigation, escape mechanisms, and animal communication will be examined, as well as the extraordinary sensory adaptation of organisms to their environments (e.g., echolocation, electroreception, and magnetic reception). The neural control of motor programs and temporally-patterned behaviors will be studied in sim-



# COURSE DESCRIPTIONS

pler neuronal systems. Finally, recent cellular and molecular approaches to the study of behavior will be addressed. Prerequisites: BIO-115, BIO-117.

## **BPY-415 Seminar in Biopsychology**

3 credits

Critical analysis of the scientific literature pertaining to current topics in biopsychology. Topics include mechanisms through which the brain influences physiology and behavior and the integration of nervous and endocrine systems. Three hours per week. Prerequisites: BIO-115, BIO-116 or BPY-275, BIO-117, junior standing and permission of instructor.

## **BPY-490 Independent Research and Study**

1-4 credits

## **BPY-491 Internship in Biopsychology**

1-4 credits

A supervised work experience in an approved organization where qualified students gain real-world knowledge and utilize their academic training in a professional environment. Placement may be in private, public, non-profit, or governmental organizations. These can include educational or research institutions. The method of evaluation will be formalized prior to the approval of the internship by the sponsoring faculty and should include keeping a journal of activities, a term paper or project report and a poster presentation. Prerequisite: 2.5 GPA and permission of the instructor.

## **Business Policy and Environment (BUS)**

### **BUS-210 Introduction to Law: Contracts**

3 credits

An introduction to the origin of current law, with emphasis on the development of business law, students are exposed to legal terminology and acquainted with the system of application of rules of law to actual situations. The laws of contracts, particularly common-law developments, are considered in great detail.

### **BUS-211 Commercial Law**

3 credits

The law as related to the sale of goods, commercial paper, and secured transactions as promulgated by the Uniform Commercial Code is considered in depth. Warranties, guarantees, remedies, and product liability are explored. The laws of bankruptcy and insurance are also considered. Prerequisite: BUS-210.

### **BUS-214 Advanced Business Law**

3 credits

This course provides students with an introduction to the fundamentals of individual and organizational forms of doing business. The laws governing agency, partnerships, corporations, and the purchase and sale of securities will be explored. The legal consequences of the relationships, and the rights and duties of the parties and entities will be discussed, as will the rules of law governing real, personal, and intellectual property, including the transfer of title to real property, the various types of bailments, the landlord-tenant relationship, and the laws concerning wills, trusts, and estates. The concerns of businesses that compete in the global environment through the study of international law will also be discussed. Prerequisite: BUS-210. (This course replaces the property (BUS-213) and business associations (BUS-212) courses. You may not take this course if you have taken either of these courses.)

### **BUS-300 Social and Legal Environment of Business**

3 credits

The strategies by which organizations in the private as well as the public sectors interact with, adapt to, and attempt to influence their external environments are explored. The primary emphasis is on evaluating the effect of business and governmental decisions on the quality of life. The role of regulatory agencies and the impact of local and national legislation on organizational behavior are considered. Prerequisite: 54 credits.

### **BUS-315 Health Care Law, Ethics, and Policy**

3 credits

This course analyzes the role of the law in promoting the quality of health care, organizing the delivery of health care, assuring adequate access to health care, and protecting the rights of those who are provided care within the health care system. It will also examine the public policy, economic, and ethical issues raised by the health care system. Prerequisite: 54 credits.

Note: This course is cross-listed as HTH-315. Students may not get credit for both BUS-315 and HTH-315. For business students who take the course as BUS-315, the course will count as a business course. If taken as HTH-315, the business student will receive credit as a liberal arts course.

### **BUS-375 International Business Law**

3 credits

This course considers the impact of international organizations and treaties such as those with the WTO, EU, NAFTA and UN on global business. It examines the various methods of international dispute resolution. Important legal and ethical issues related to conducting business overseas are discussed including the topics of labor and employment rights, environmental law and intellectual property. Prerequisite: 54 credits.

### **BUS-400 Strategic Management and Policy**

3 credits

This capstone course for seniors in business administration provides a framework for problem identification, analysis, and decision making within the organization. Students are given the opportunity to integrate and apply previously acquired knowledge of accounting, decision sciences, economics, finance, marketing, management, and statistics. Case studies, critical incidents, and other appropriate techniques are utilized. Prerequisite: (84 credits), CIS-185, ACC-210, ACC-220, MKT-200, MGT-201, FIN-300.

### **BUS-410 New Venture Planning**

3 credits

This course will require students to select a business and prepare a complete new venture plan for it. This plan would identify the product and its target market, analyze its market potential, choose the location, scale of operation, layout, staffing, type of financing, estimate the revenues and profits, and present the income statement, balance sheet, and the cash flow projections. Prerequisites: MGT-348 or permission of instructor.



# COURSE DESCRIPTIONS

## **BUS-444 Selected Topics in Business Policy and Environment**

3 credits

The study of a selected topic of contemporary interest related to one or more of the following: strategic management, business law, business ethics, social responsibility, legal environment of business. Readings, research, lectures, discussions, and other methods will be used. Prerequisites to be determined by instructor.

## **BUS-490 Independent Research and Study**

3 credits

## **BUS-491 Business Administration Internship**

3 credits

An internship course with a business firm or government agency that provides the student an opportunity to apply classroom work in a supervised employment setting. Requirements include a journal of activities, oral or written reports to the internship director, and a final paper presented to and evaluated by the internship director. Evaluation will also include a report by the company/agency on the intern's performance. Prerequisite: permission of instructor and junior standing.

## **BUS-492 Global Business Internship**

3 credits

An internship course with a business firm, government or international agency that provides the student an opportunity to apply classroom work in practical international operations of supervised employment. Requirements include a log of activities, oral or written reports to the internship director, and a final paper presented to and evaluated by the internship director. Evaluation will also include a report by the company/agency on the intern's performance. Credits may be used as business or free electives and may be counted toward the international business major concentration. Prerequisite: permission of instructor.

## **CBA-101, 200, 201, 300, 301, 400 CREW<sup>™</sup>**

(1 credit/semester)

CREW<sup>™</sup> (Cultivating Resources for Excellence in the World of Work) is a six semester venture into experiential learning. Students are exposed to specific management skills (career and life skills) that are readily applicable in the work environment. The skills covered include: communication influence, teamwork, handling conflict, interviewing skills, seeing behavior, giving and

receiving feedback. Students in CREW<sup>™</sup> engage in highly participatory activities, including role playing, case studies, videotaping and class-discussions, to learn and internalize these skills. These credits count as either business or free electives. Prerequisite: permission of director of CREW<sup>™</sup> program only.

## **CBA-110 Introduction to Business (Elective)**

3 credits

An introductory course emphasizing the global economy and the integration of functional areas of business that link strategy and business success. Critical issues such as ethics and technology will be covered along with an emphasis on leadership and communicative skills. A variety of supplemental teaching tools/approaches including videos, guest speakers, team projects, and *The Wall Street Journal* will be used throughout the course. Restricted to freshmen.

## **CBA-220 Minding Our Business**

3 credits

A community service mentoring project designed to promote leadership, teamwork and entrepreneurship among Trenton youth through a school-based team mentoring model. Students will undergo intensive training in leadership skills, communication skills, team building skills, cultural diversity, small business entrepreneurship, and problems of early adolescent development prior to their fieldwork experience. Students will form teams to mentor groups of students at a Trenton middle-school in the creation and management of their own microbusinesses. Student journals, quizzes, field trips and class meetings will serve to organize and structure experiential learning. Prerequisites: 24 credits and permission of instructor.

## **CBA 310, CBA-311 Study Abroad: Global Business Studies in Paris**

up to 17 credits

A regular course load in an approved program at the Institut de Gestion Sociale Universite/American Business School in Paris, France. Courses will be selected from a list pre-approved by the global business program at Rider. All business courses are taught in English. Two of the regular courses for all students in the program will be French language and civilization courses. Prerequisites: 2.5 GPA; junior standing; permission of global business program director and CBA dean.

## **CBA-312, CBA-313 Study Abroad: Global Business Studies**

up to 17 credits

A regular course load in an approved program. See director of global business major for details of any programs being offered abroad. Prerequisites: 2.5 GPA; junior standing; permission of global business program director and CBA dean.

## **CBA-315 Global Business Study Tour**

3 credits

Provides students with the opportunity to observe various international business environments outside of the United States. Students should gain a better appreciation of how culture, history, and politics influence organizational dynamics, business functions and business customs. Prerequisites: Junior or senior standing and permission of instructor.

## **CBA-350 Family Business Management**

3 credits

This course is directed at understanding the family-owned and managed firm. Topics included are the strengths and weaknesses of a family firm, the dynamics of the family and business interactions, conflict resolution, succession planning and ownership transfer. The course will help individuals involved with a family firm, regardless if they are a family member. Prerequisites: MGT-201 and junior standing.

## **CBA-366, 367, 368 and 369 Selected Topics in Business**

3 credits

The study of a topic (or combination of topics) that represent some dimension of business or has important implications for business. This study may be theoretical and/or applied in nature. Prerequisite: Permission of instructor.

## **CBA-410, 411 Intercultural Communication I and II**

1-3 credits

The seminar provides non-U.S. native students with a supportive forum for discussing intercultural and communication challenges. The course seeks to make the Rider experience personal and academically fulfilling and successful. The specific course objectives include providing information about culture transitions and differences, providing cultural information and enhanced communication skills, reflecting upon and analyzing culture communication differences inside and outside of the classroom, and building study cases to help future international students with their transition and adaptation to U.S. life. Pass/fail. Prerequisite: Permission of instructor.

# COURSE DESCRIPTIONS

## **CBA-490 Independent Study**

1-4 credits

## **CBA-491 College of Business Internship**

1-4 credits

Provides students an opportunity to supplement and apply classroom work in supervised employment with participating businesses, government offices or not-for-profit organizations. Requirements are to be determined by the faculty sponsor prior to the period of the internship and must include an academic component, preferably a written paper of project. There must also be a final evaluation from the organization on the intern's performance. Permission of instructor. fall, spring or summer

## **Chemistry (CHE)**

### **CHE-100 Introduction to College Chemistry**

3 credits

Open to all students, but designed primarily for those who wish to major in a science which requires chemistry but whose chemistry background is not sufficient to allow entrance into Chemistry 120. It focuses on the nomenclature used in chemistry including the symbols used to designate the chemical elements, the construction of chemical formulas and the writing and balancing of chemical equations. Other topics will include interpreting the Periodic Table, the valences of the elements, the mole concept and simple stoichiometry. In addition, chemical calculations involving units, scientific notation, significant figures and the algebraic manipulations of simple equations will be included. Three lectures per week. This course does not satisfy the requirements for the biochemistry or chemistry degree, but does satisfy the core requirements for liberal arts, education and business majors. spring

### **CHE-115 Chemistry and Contemporary Society**

3 credits

Designed to give the nonscientist an appreciation of the role of chemistry in today's world. The approach is conceptual rather than mathematical. Topics include basic principles of chemical theory, energy sources, elementary organic chemistry, drugs, food additives, polymers, chemistry of living systems, inorganic solids in modern technology, and problems involving

pollution of the environment. Three lectures per week. This course satisfies the core requirements for liberal arts, education and business majors.

### **CHE-118 Exploration of Chemical Principles**

4 credits

A one-semester introduction to the principles of chemical sciences. Students will utilize inquiry-based learning methods to examine contextual problems as a means to explore introductory models and concepts of chemistry. Students will also gain an understanding of how scientific models are used to explain experimental observations. The laboratory component of this course is designed to provide students with an experimental context within which to develop some of the models described in the classroom. Three lectures and one three-hour laboratory per week.

### **CHE-120 Principles of Chemistry**

3 credits

For students who have successfully completed one year of high school chemistry. This systematic study of the fundamental principles and concepts of chemistry covers atomic structure, bonding, stoichiometric relationships, including solution and oxidation-reduction reactions and molecular structure. Three lectures per week. Prerequisite: high school chemistry, CHE-100 or permission of the instructor. fall

### **CHE-121 Principles of Chemistry Laboratory**

1 credit

For students concurrently taking Chemistry 120. Experiments involve gravimetric, volumetric, and spectrophotometric quantitative analysis. One three-hour lab per week. fall

### **CHE-122 Introduction to Chemical Systems**

3 credits

A continuation of Chemistry 120. For students majoring in the sciences but may be taken by others. Chemical systems in which the study of kinetics, thermodynamics, equilibrium, and radiochemistry are emphasized. Three lectures per week. Prerequisites: CHE-120, MTH-105 or higher. spring

### **CHE-123 Quantitative Methods Laboratory**

1 credit

Usually taken concurrently with Chemistry 122. Primarily for students majoring in the sciences. A number of quantitative classical and instrumental methods of analysis are used to determine thermodynamic properties and reaction mechanisms. One three-hour lab per week. Prerequisite: CHE-121. spring

### **CHE-205 Experimental Chemistry I**

2 credits

The first of four experimental chemistry labs designed for chemistry majors. It presents the use of modern techniques, and instrumentation in organic chemistry, including distillation, chromatography, infrared, ultraviolet, nuclear magnetic spectroscopy, and mass spectrometry. Two three-hour labs per week. Prerequisites: CHE-214, CHE-216. spring

### **CHE-211 Organic Chemistry I**

3 credits

The structure, chemical properties, and methods of preparation of the more important classes of carbon compounds are studied, with an emphasis on the relationship of structure, stereochemistry, and conformation to chemical reactivity. Prerequisite: CHE-122. fall

### **CHE-213 Organic Chemistry I Laboratory**

1 credit

For students concurrently taking Chemistry 211. An introduction to the methods of experimental organic chemistry, emphasizing modern procedures for the preparation, isolation, purification, analysis, and characterization of organic compounds. One three-hour lab per week. Prerequisite: CHE-123. fall

### **CHE-214 Organic Chemistry II**

3 credits

A continuation of Chemistry 211, emphasizing the mechanism of organic reactions, structural interpretations of properties, preparations, and identification of organic compounds. The use of infrared, ultraviolet, and nuclear magnetic resonance spectroscopy for elucidating structures of organic molecules is discussed. Three lectures per week. Prerequisite: CHE-211. spring

# COURSE DESCRIPTIONS

## CHE-216 Organic Chemistry II Laboratory

1 credit

For students concurrently taking Chemistry 214. Lab experience in separation, purification, and identification of organic mixtures similar to that encountered in organic syntheses or natural product isolation is provided. Students use ultraviolet, infrared, and nuclear magnetic resonance spectrometric methods to elucidate the structure of unknown organic compounds assigned to them. One three-hour lab per week. Prerequisite: CHE-213. spring

## CHE-300 Introduction to Physical Organic Chemistry

3 credits

In-depth studies of the methods for elucidating the mechanisms of organic reactions for students who have completed one year of organic chemistry. Topics include conformational analysis, Huckel molecular orbital theory, Woodward-Hoffmann rules, transition state theory, linear free energy relationships, acidity functions, and kinetic isotope effects. Three lectures per week. Prerequisites: CHE-214 and CHE-305 or concurrently. spring

## CHE-301 Experimental Chemistry II

2 credits

Measurement of a variety of equilibrium constants using modern instrumental methods. Included are the measurements of acid-base dissociation constants, enzyme micro-constants, and enzyme-substrate binding constants. Instrumental methods utilized include NMR spectrometry, ultraviolet-visible spectrophotometry, fluorescence spectrophotometry, polarography, and potentiometry. Two three-hour labs per week. Prerequisites: CHE-216, CHE-306 or concurrently. fall

## CHE-302 Experimental Chemistry III

2 credits

Measurements are made of physical properties of molecules and dynamics of chemical processes. Thermodynamic values are determined using bomb calorimetry, viscosity measurement, and boiling point measurement. Infrared spectroscopy is used to determine interatomic bond lengths. NMR spectroscopy is used to determine the energetics of hydrogen bonded systems. Computer simulations are used to examine bimolecular reaction kinetics. Two three-hour labs per week. Prerequisites: CHE-301, CHE-305 or CHE-306. spring

## CHE-304 Experimental Chemistry IV

2 credits

An advanced laboratory emphasizing the synthesis and characterization of inorganic solids and organo-metallic compounds. Two three-hour labs per week. Prerequisites: CHE-216, CHE-315 or concurrently. fall

## CHE-305 Chemical Thermodynamics

3 credits

The mathematical and conceptual foundations of classical thermodynamics are formulated and application is made to a variety of chemical systems. Topics include thermochemistry, phase equilibria of pure compounds, equilibria of homogeneous and heterogeneous solutions, equilibria in systems of varying composition, electrochemistry, and chemical kinetics. Oriented to the solution of problems that arise from all fields of chemistry, including biochemistry. Prerequisites: CHE-214, MTH-211, PHY-201 or concurrently. spring

## CHE-306 Quantum Chemistry II

3 credits

Statistical thermodynamics based on quantum theory. Quantum mechanical description of some simple systems including the free particle, a particle in a box, the harmonic oscillator, the rigid rotor and the hydrogen atom are applied statistically to explain the thermodynamic properties of molecular systems. The electronic structure of atoms and molecules and their spectral properties are also investigated. Prerequisites: CHE-214, MTH-211, PHY-201. fall

## CHE-311 Analytical Chemistry

3 credits

Classical gravimetric and volumetric methods of chemical analysis and the application of the principles of chemical equilibrium to them. The theory and application of instrumental methods to qualitative and quantitative chemical problems. Methods include ultraviolet and visible spectroscopy, atomic spectroscopy, electroanalytical chemistry and chromatography. Prerequisites: CHE-211, PHY-100 or PHY-200. spring

## CHE-312 Analytical Chemistry Laboratory

1 credit

The focus of this laboratory course is on the qualitative and quantitative methods for analyzing chemical substances and mixtures of these materials. The laboratory experience will be divided into two parts: a) experiments involving classical methods of gravi-

metric and volumetric analysis and b) experiments involving modern chemical instrumentation including ultraviolet and visible spectroscopy, inductive coupled plasma spectroscopy, gas chromatography, high pressure liquid chromatography, and fluorescence spectroscopy. Prerequisites: CHE-213, PHY-100 or PHY-200, CHE-311 concurrently. spring

## CHE-315 Inorganic Chemistry

3 credits

The periodic table as a tool for predicting the physical and chemical properties of chemical systems is developed and examined in conjunction with various theories of bonding, including valence bond, molecular orbital, valence shell electron repulsion, and ligand field theory. Emphasizes structure of crystalline solids, coordination compounds, reaction mechanisms, and structure-property relationships. Three lectures per week. Prerequisite: CHE-214. fall

## CHE-320 Polymer Chemistry

3 credits

Designed to acquaint students with the structure and properties of polymers, the contrast between small molecules and polymers, methods of measuring molecular weight, the mechanism of polymerization, and the methods of fabricating polymers. Prerequisites: CHE-214, CHE-305 or CHE-306.

## CHE-400 Chemical Bonding

3 credits

The effects of the chemical bond on the structure and properties of molecules are investigated. Molecular orbital theories of bonding are introduced. Emphasis is placed on group theoretical methods utilizing molecular symmetry to simplify the description of the electronic structure of molecules and to predict their geometric structures and reactivity. Three lectures per week. Prerequisites: CHE-306, MTH-212. spring

## CHE-415 Special Topics in Chemistry

3 credits

An advanced level of one or more areas of modern chemistry. Emphasis on research and the literature of an area of current importance. Topics change each semester and are listed in the roster. May be taken more than once. Three lectures per week. Prerequisite: CHE-214 or permission of instructor. spring



# COURSE DESCRIPTIONS

## **CHE-490 Independent Research and Study**

credit to be arranged

## **CHE-491 Internship in Chemistry** 1-4 credits

A supervised research experience in an approved organization where qualified students gain real-world knowledge and utilize their academic training in a professional environment. Placement may be in a private, public, non-profit, or governmental organizations under the guidance of a mentor. The mentor and student will have regular consultation with the departmental internship coordinator to assess the student's progress. Normally, 50 hours of internship per credit is required. The grade for the course will be determined by the students' overall performance in their research work, a research paper documenting their work with their internship mentor and an oral or poster presentation at the end of the semester. Prerequisites: 2.5 GPA and permission of the instructor.

## **Communication and Journalism (COM)**

### **COM-102 Introduction to News Writing**

3 credits

(Formerly Writing for the Media I) Provides a cross-media approach to factual journalistic print, audio, and graphic formats. Emphasizes the basics of gathering, organizing and communicating information for print and electronic media. Utilizes a multimedia computer lab to introduce students to word-processing, desktop publishing, audio digitizing, graphical information display, and Internet software.

### **COM-103 Introduction to Communication Studies: Theory and Practice**

3 credits

Provides a foundation for the study in the field of human communication. The course is designed, but not limited to, helping first year communication and journalism majors gain a broad understanding about the discipline while introducing them to fundamental communication theories, principles, concepts, terms and issues.

### **COM-104S Introduction to Speech Communication**

0-3 credits

Presents basic information and education concerning speech communication, stressing the concept that speech and language habits can and should be improved. Through directed practice the student has an opportunity to develop poise and confidence in speaking, as well as competence in analyzing and synthesizing ideas and attitudes. Emphasizes importance of the speaker's personality, voice, diction, body action, reasoning, and organization. To receive credit, grade must be A, B, or C. Prerequisite: permission of department chairperson.

### **COM-104 Speech Communication**

3 credits

Examines basic communication theories and concepts. Various genres of oral communication and extemporaneous and impromptu forms of delivery are studied. Students research, prepare, and deliver speeches that are then used as the focal point for the discussion of effective speaking and listening. A number of speeches are videotaped.

### **COM-105 Mass Media Communication**

3 credits

(Formerly COM-100) Provides a detailed investigation and analysis into the nature, history, scope, adequacy, and limitations of mass communication and examines the reciprocal influence of the media on culture and society.

### **COM-106 Writing for the Communication Professions**

3 credits

Provides students with written communication writing strategies and tools. Applies theory and practice in mass media communication to targeted audiences. Emphasizes the critical role writing plays in the communication workplace and provides an opportunity to evaluate and respond to real-life writing samples and situations.

### **COM-107 Persuasive Writing for the Media**

3 credits

(Formerly COM-202 Writing for the Media II) Introduces students to interviewing and persuasive writing techniques for print and electronic public relations and advertising formats. Teaches techniques for creating effective digital audio-visual aids and working with digital audio and video.

### **COM-131 Fundamentals of Video Production**

3 credits

This introductory level course will provide students with an overview of basic video production theories, techniques and applications. Students will gain competency in a number of video production areas including: production planning, camera operations, lighting, sound and digital non-linear editing. Individual and group production exercises will involve planning and executing video productions in both studio and non-studio settings. This class is designed to prepare students from any major to effectively create, produce, shoot and edit basic video production assignments including public service announcements, video news releases, educational/instructional videos, and marketing/promotional spots.

### **COM-201 Communication Theory**

3 credits

Studies selected theories, models and research methods in human communication, the dynamics of the communication process in various settings, and the role of communication in human interaction.

### **COM-204 Advanced Speech Communication**

3 credits

Provides students with the opportunity to further their study and practice of various types of speech communication. Moving beyond an introductory perspective, this course focuses on the development of critical, analytical, and pragmatic aspects of speech. The focus is divided between the discussion of theoretical models and a demonstrated competence of that material. Prerequisite: COM-104.

### **COM-205 Theories of Persuasion**

3 credits

Analyzes the motivations that lead individuals and audiences to beliefs and actions and the techniques of achieving objectives through persuasion. Attention, interest, empathy, ethos, fear, and techniques of speakers, and those who use persuasion professionally are studied.



# COURSE DESCRIPTIONS

## COM-210 News Reporting and Writing

3 credits

Develops skills in hard-news reporting in laboratory and field exercises. Employs off-campus reporting assignments to refine information-gathering techniques such as interviewing, observation, and use of government documents and other contextual materials. Requires students to produce reports using advanced journalistic writing techniques. Includes reporting and writing about police news, state and local government, the criminal justice system, science, and sports. Prerequisite: COM-102. fall

## COM-211 Copy Editing

3 credits

Teaches all phases of copy editing for news and public relations: marking of copy, building and shaping news stories, following mechanical style, and safeguarding against problems of libel and inaccuracy. Provides comprehensive review of grammar, spelling and punctuation, and intensive practice in writing headlines and captions, editing wire copy, and using computers. Prerequisite: COM-102 or English writing concentration.

## COM-212 Publication Design

3 credits

Explains theories and techniques of graphic arts in print media layout and design. Provides an understanding of the use of typography and art as design elements in newspapers, advertisements, newsletters, and brochures. Directs students to apply these concepts to the creation of published materials using Macintosh desktop publishing techniques.

## COM-215 Computer Assisted Reporting

3 credits

(Formerly COM-410) Develops advanced reporting techniques for researching and writing in-depth news stories and investigative articles. Uses state-of-the-art computer-assisted reporting methods including finding and mining data bases on the Internet, creating spreadsheets to analyze data, and employing data base manager software to sort and summarize information in government documents and other specialized resources. Focuses on conceptualizing of story ideas, planning major projects, gathering information by means of data bases, participant-observation, interviews, and analysis of public documents. Emphasizes organizing large quantities of material and presenting it in a meaningful context. Prerequisite: COM-210 or permission of instructor. spring

## COM-220 Voice and Articulation

3 credits

Increases the student's knowledge of the vocal elements of oral communication and improves use of voice and articulation. Introduces anatomy and physiology for enhanced vocal production. Analyzes volume, rate, pitch, quality, phrasing, stress, and inflection. Presents the International Phonetic Alphabet as a means of developing correct articulation and pronunciation. Uses classroom exercises and tape recording for feedback and learning.

## COM-222 Group Communication

3 credits

Examines the communication process as it relates to the small group. Theoretical constructs including motivation, group climate, attraction, leadership, decision making, problem solving and roles are analyzed. Utilizes group experience to study and evaluate the dynamics and effectiveness of interpersonal systems.

## COM-230 Radio and Television Communication

3 credits

Examines the field of electronic communication and its role in society. Scrutinizes the history, technology, structure, and regulation of broadcasting including issues, trends, and the impact of new communication technologies. Introduces basic principles of effective communication in broadcast writing and producing.

## COM-233 Writing for Broadcast

3 credits

This course is an introduction to diverse and highly-structured writing styles and formats used in writing for broadcast. With focus on effective and creative writing using broadcast style, students will be exposed to the fundamentals of writing dramatic and non-dramatic material for radio and television including station IDs and liners, public service announcements and commercials, news and public affairs programs, and short dramatic and documentary scripts. Through lectures, case discussions, in-class assignments, and critiques, emphasis will be on the practical application of basic rules and conventions common to broadcast writing from copy preparation to on-air delivery. Prerequisite: COM-107.

## COM-240 Public Relations

3 credits

Introduces current theories and practices of public relations, with emphasis on facilitating two-way communication with various publics. Explores approaches to public relations problems by critically analyzing case studies and applying theories and techniques to realistic situations.

## COM-251 Interpersonal Communication

3 credits

Introduces the student to the field of interpersonal communication. The focus of this course is balanced between the study of various communication concepts and theories and the development of interpersonal skills and sensitivities. More specifically, students will participate in lectures, exercises and projects while exploring the role and function of relationships in their professional, social, and personal lives.

## COM-252 Intercultural Communication

3 credits

Develops intercultural communication competence through an awareness and understanding of diverse cultures and their impact on communication. This course will be different from the international communication course, which focuses on communication between nations. This course will focus on the more personal aspects of communication — what happens when people from different cultures interact face-to-face. It will introduce students to those general factors that influence communication with people from diverse cultures both internationally and within the United States, and offer a blend of skill development, communication theory, and hands-on application.

## COM-253 Organizational Communication

3 credits

The focus in this course will be the ongoing communication processes in organizations. This course examines how and why organizations develop policies and procedures that both encourage and yet constrain creativity and autonomy in employees. It also introduces various management skills to balance the dynamic in organizations. Finally, the course introduces students to various communication technologies that enable communication processes in organizations. Students will also have opportunities to participate in creating organizational dynamics through role-playing exercises, case studies, and other kinds of experiential learning.

# COURSE DESCRIPTIONS

## **COM-261 Multimedia Production I-Interactive Design**

3 credits

(Formerly Multimedia Communication) Uses digital graphics, text and audio to introduce students to the use of multimedia as an educational, presentational, sales and entertainment tool. Using the Macintosh computer and building an understanding of basic design principles, students will learn the theories underlying effective presentation of digital messages, as exemplified in the creation of a CD-ROM.

## **COM-262 Graphic Imaging for Multimedia**

3 credits

The course is designed to offer students education in graphic design, image development, and image preparation for various multimedia applications. Emphasis is placed on desktop scanning basics, color calibration and palette issues, image manipulation, advanced image selection techniques, transparency and masking, multimedia authoring file formats, and dynamic image design. The primary software for this course is Adobe Photoshop 7.0 and ImageReady. Students will be expected to participate in critiques of professional designs in order to learn to critically evaluate their work and their fellow students' work. Prerequisite: COM-261 or permission of instructor.

## **COM-280 Issues in Event Planning**

3 credits

This course is designed to offer students education in event planning, production, and supervision for varied professional applications. Emphasis will be placed on planning, budgeting, and organizing small and large events for educational, institutional, non-profit, and professional groups. Students will participate in the entire process of event planning, with specific experiences in applying communication theory to actual projects.

## **COM-290 Professional and Strategic Speech**

3 credits

Improves communication skills of business majors to compete successfully in the corporate world. Provides students with practical information necessary for effective communication in various business and professional settings. Covers communication processes, principles and models in the modern organization. Class assignments are given with emphasis on developing a

knowledge and practical understanding of informative, persuasive, and impromptu presentations. Limited to students enrolled in business administration.

## **COM-291 Documentary Film and Video**

3 credits

Explores philosophical questions about the relationship between non-fiction films and television programs and the reality they purport to record. Analyzes ethical problems of filmmaking and television. Through screenings, lectures, and readings, students survey the main traditions in documentaries—reportorial, exploratory, persuasive, symphonic, compilation, and fictional.

## **COM-301 Communication Law**

3 credits

Critically examines the legal limits and privileges affecting freedom of expression, especially in publishing, advertising, film, telecasting, and cyberspace. Places particular emphasis on the historical and philosophical foundations of the freedoms and limitations of communication in the United States.

## **COM-302 Communication Ethics**

3 credits

Analyzes internal and external pressures on the communication professional including economic, cultural, social, and political pressures, assesses the philosophical and practical basis for responding to such pressures, evaluates contemporary media responses to these pressures, identifies those that are of laudable quality and why, and provides guidance as to how individuals and organizations can think and react ethically. Issues addressed include censorship, confidentiality, conflicts of interests, minority and ethnic groups, privacy, sensationalism, and self-criticism.

## **COM-316 Feature Writing**

3 credits

Focuses on problems and requirements of newspaper, magazine, public relations, and free-lance nonfiction writing. Students write features designed for acceptance in selected media and learn marketing techniques. Prerequisite: COM-102, English writing concentration, or permission of instructor.

## **COM-322 Argumentation and Debate**

3 credits

Investigates the theory and practice of speech communication that seeks to persuade by inferential argumentation. Concentrates on theories, practices, and research in argumentation and debate, blended with speaking experience in analyzing and advocating controversial topics. Prerequisite: COM-104 or COM-290.

## **COM-323 Oral Interpretation of Literature**

3 credits

Provides an orientation to the field of oral performance. Students select literary texts, adapt the material to the audience and prepare it for presentation. Emphasizes the development of voice, articulation and kinesic behavior. Presentations to the class are critiqued. Prerequisites: COM-104 or COM-290; or permission of instructor.

## **COM-328 Sitcoms and American Culture**

3 credits

This course will provide an overview to the unique and highly structured form of the American television situation comedy. The primary focus will be on history and development with in-depth study of situation comedy themes, characters, and settings. Through lectures, case discussions, in-class assignments, and class projects, students will examine the social and cultural meanings and implications of this incredibly popular and durable genre of programming.

## **COM-331 Television Production**

3 credits

Explores the technological capabilities and limitations of the television medium in team productions using a range of styles and formats. Students learn principles of studio production, electronic field production, and electronic news gathering. Exercises include use of computer graphics, audio production, and electronic video editing. Stresses electronic communication skills and aesthetic values in a professional production setting. Prerequisite: COM-230, fall

## **COM-333 Broadcast Programming**

3 credits

Analyzes the theory, practice, structure, and function of broadcast programming. Examines the structure of the industry as it relates to entertainment, information, and the audience. Studies program categories, formats, genres, trends, consistency,

# COURSE DESCRIPTIONS

accountability, and ratings as well as cable, satellites, and home video. Critical standards are developed by introducing humanistic and scientific modes of program analysis. Prerequisite: COM-230.

## COM-334 Audio Production

3 credits

Provides a laboratory study of audio production techniques, writing, and performance. Introduces the fundamental properties of sound as applied in modern audio production at radio and television stations, sound studios, and production houses. Students conduct lab exercises in editing, mixing, and digital recording. Students write, produce, and perform a variety of programs including news, interviews, commercials, dramas, and documentaries.

## COM-335 Television Field Production

3 credits

Provides an in-depth study of advanced techniques in Television Field Production for television. Individual and group field production assignments will involve planning and executing single camera production in a non-studio setting. Previously developed video production skills will be refined, and students will gain increased competency and sophistication in all areas of field production including: production planning, camera operations, lighting, sound and digital non-linear editing. Designed to prepare students to effectively function in the industry as a member of a professional field production team. In field situations, students create, produce, shoot and edit video documentaries, public service announcements and instructional projects for use on the campus television network. Prerequisite: COM-331.

## COM-341 Publicity Methods in Organizations

3 credits

Applies communication theory to writing and editorial processes and production techniques to create public relations materials; includes press releases, industrial publications, house organs, trade publications, brochures, newsletters, stockholder reports, and audio-visual media. Prerequisites: COM-107, COM-240, or permission of instructor.

## COM-353 Nonverbal Communication

3 credits

Investigates studies in and theories of non-verbal communication. Lectures and experiential activities explore the effect of status, culture, and gender upon kinesics, physical

characteristics, proxemics, tactile communication, paralanguages, artifacts, and environmental factors. Prerequisite: COM-104 or permission of instructor.

## COM-360 Advanced Publication Design and Presentation

3 credits

(Formerly Advanced Publication and Graphic Design) Builds on elementary knowledge of graphic design to teach the principles of advanced layout, typography, and computer graphics. Introduces students to industry standard drawing and digital photo editing software. Provides an understanding of the use of logos, infographics and magazine layout, and of the theoretical bases of color for print production. Prerequisite: COM-212 or permission of instructor.

## COM-361 Photography

3 credits

Introduces students to professional methods of shooting, processing, and digitizing photographs for publication in print and on the Internet. Relates hands-on work to theory, history, aesthetics, and ethics. Provides practice in computer manipulation, using Photoshop. Each student must have a manually adjustable 35mm camera. Prerequisite: permission of instructor.

## COM-364 Multimedia Production II -Web Design

3 credits

(Formerly Digital Media for the Internet) Equips students with the theories and practical techniques required to produce effective digital text, graphics, audio and video for the Internet. Discusses theories behind the use of these media in terms of effective communication and interaction. Introduces students to different computer platforms and requirements for cross-platform media. Prerequisite: COM-261 or permission of instructor.

## COM-365 Graphic Animation

3 credits

The course is designed to offer students education in graphic animation theories, animation development techniques, and animation preparation for various multimedia applications. Emphasis is placed on the design principles in animated communication and animation techniques. The course covers the integration of static images in animation, graphic animation techniques, animation compression, animation rendering, input/output file formats, and animation delivery. The primary software for this course is Adobe Photoshop and Macmedia Flash. Students will be expected to participate in

critiques of professional animation designs in order to learn to evaluate critically their own work and their fellow students' work. Prerequisite: COM-262 or permission of instructor.

## COM-390 Communication and Society: Issues and Movements

3 credits

Examines in a topical manner the influence of communication upon significant issues and movements affecting people and society. Investigates interpersonal and mass media factors as they relate to a major issue such as changing sex roles, radicalism, racism, evangelism, election campaigns, and technology. May be taken more than once with a different emphasis. Prerequisite: permission of instructor.

## COM-393 International Communication

3 credits

Examines mass media systems and their influence on international communication. Emphasizes media systems of major political powers such as Russia, China, the European community, the United States, and geopolitical centers such as Africa, Asia, the Middle East, and Latin America. Using a seminar format, the course explores how a nation's mass media reflect its socio-political environment and national values. Focuses on the international images constructed by the mass media.

## COM-400 Senior Seminar in Communication

3 credits

Utilizes quantitative and qualitative research to investigate current topics in communication. Students conceptualize problems, develop hypotheses, review literature, design appropriate techniques of inquiry, conduct their research, and present their findings orally to the seminar and in writing to the instructor. Senior journalism and communication majors only.

## COM-415 Investigative Reporting and Writing

3 credits

This is an advanced course in the tools and techniques of contemporary in-depth reporting. Students will learn how to do multi-sourced reporting and writing using primary and secondary sources including human sources, paper sources, electronic documents and databases, both online and offline. Emphasis will be placed on writing stories that answer not only the who, what, when and where questions but also the why, the



# COURSE DESCRIPTIONS

how and the “so what?” questions. Students will also be exposed to some of the best investigative work of journalists past and present as models for analysis and discussion. Prerequisite: COM-210.

## **COM-431 Advanced Television Research and Production**

3 credits

Utilizes the studio as a tool of scholarly research. Students design and conduct social and behavioral research on the influence and the effects of television, using their own production as a basis for experimental or descriptive studies. Prerequisite: COM-331 or permission of instructor.

## **COM-434 Advanced Radio Production**

3 credits

Provides in-depth study of advanced techniques in audio recording and radio programming and production. Individual and group production of short and long-form radio projects including: promotional spots, features, music programming, and news. Students will be involved in all phases of programming and production for radio including: project conception, development, management, and implementation. Selected student projects will air on student radio station, WRRC. Prerequisite: COM-334.

## **COM-440 Cases and Campaigns in Public Relations**

3 credits

Critically analyzes public relations case problems in industry, labor, education, government, social welfare, and trade associations. Emphasizes problem solving through the use of communication theories, public relations techniques, creative thinking, and the development of professional goals and standards. Employs realistic simulation exercises and actual case studies to develop and critique students' ability to demonstrate this knowledge in professional situations. Prerequisite: COM-341 or permission of instructor.

## **COM-452 Contemporary Issues in Interpersonal Communication**

3 credits

Introduces the student to the study and nature of human interaction. Students are encouraged to explore the social and psychological implications of various communicative relationships ranging from cross-gender communication to dysfunctional family systems to intercultural interactions. Prerequisite: COM-222 or COM-251 or permission of instructor.

## **COM-460 Multimedia Production III - Advanced Interactive Design**

3 credits

(Formerly Advanced Multimedia Communication) Builds on previous courses to refine students' understanding of theories of digital media across platforms. Introduces Web site creation and management, as well as management of other forms of digital media. Prerequisite: COM-364.

## **COM-490 Independent Research and Study**

1-4 credits

## **COM-491 Internship in Communication**

1-4 credits

Places qualified students in a professional area related directly to their communication training. For example, students may intern in a communication position on a newspaper, at a radio or television station, in a public relations agency, or with a political party or private business appropriate to their interest. A minimum of 50 hours of internship per credit is required. Written reports and supervisor evaluations are used to analyze and evaluate the experience. For journalism and communication majors only, primarily juniors and seniors. No more than two internships are permitted for each student; exceptions may be made. Prerequisite: 2.5 GPA or permission of instructor.

## **Computer Information Systems (CIS)**

### **CIS-185 Introduction to Computing**

3 credits

This course provides an introduction to the basic concepts of computer hardware, software, and communication systems. Students work in the Windows XP operating environment with Microsoft Office (Excel, PowerPoint, Word). Students also obtain a hands-on introduction to SAP R/3 enterprise systems software. Additionally, students are introduced to the use of the campus network for communications and research via the Internet and World Wide Web.

## **CIS-200 Introduction to Programming**

3 credits

Students are provided with an understanding of the development of business applications utilizing the object-oriented/event-driven programming language Visual Basic. Prerequisite: CIS-185.

### **CIS-260 Business Graphics**

3 credits

Basic color theory, typography and page/slide layout are presented. Students also make extensive use of commercial software packages to edit and manipulate various digital images, and to design, create, and present their completed work. Students are expected to compile a portfolio at the end of the semester. Prerequisite: CIS-185 or permission of instructor.

### **CIS-270 Telecommunications**

3 credits

This course provides an introduction to business data communications and networking. The Internet and OSI models are discussed. Network technologies include local area networks, backbone, wide area networks, and the Internet. Introduction to network design, security, and network management are also provided. Prerequisite: CIS-185.

## **CIS-300 Object-Oriented Programming**

3 credits

Students will learn the basic concepts of object-oriented programming as contrasted with traditional structured programming and will develop applications using the Java programming language. Prerequisite: CIS-200.

### **CIS-310 Networking**

3 credits

Students are provided with a foundation in networking technology including hardware, software, protocols, and applications. After completing this course, students will be able to design and build simply organizational networks and will understand how networks integrate within a variety of business environments. Prerequisite: CIS-185.



# COURSE DESCRIPTIONS

## CIS-320 Systems Administration

3 credits

Students learn the various facets of administration including operating system installation, configuration, maintenance troubleshooting and monitoring. The important task of administering computer security including user accounts and authentications will be discussed. Hands-on labs include both the Windows and Linux operating system environments. Prerequisite: CIS-185.

## CIS-330 Database Management Systems

3 credits

This course involves the study of relational and object-relational database management systems in the Oracle and Microsoft Access environments. Major topics include SQL programming and hands-on database development. Prerequisite: CIS-200.

## CIS-340 Electronic Commerce

3 credits

Students will learn about the broad range of Internet business technologies; develop the skills necessary to create and administer successful electronic commerce projects; and understand the associated benefits, and risks of electronic commerce business models. Prerequisite: CIS-185.

## CIS-350 Internet Applications Development

3 credits

This course involves the study of application development in an n-tier, component-based architecture. Major topics include client and server-side scripting, XML, and Web services. Emphasis is placed on database applications for e-commerce. Prerequisite: CIS-200.

## CIS-360 Knowledge Management

3 credits

This course deals with the use of computer systems to support humans with knowledge management activities. It discusses the organization of knowledge already available in computer-based formats, the selection and use of suitable knowledge representation methods, the access to stored knowledge through search and retrieval techniques, and the way users utilize knowledge for particular tasks. Prerequisite: CIS-200.

## CIS-370 Systems Analysis and Design

3 credits

Topics include modeling techniques such as UML and methodologies to address the planning, analysis, design, and implementation of high-quality systems, delivered on time

and within budget. Issues and tools related to the management of project teams are also discussed. Prerequisite: CIS-185

## CIS-380 Systems Development Project

3 credits

Using rapid application development tools, students construct a complete operational system within the span of a single semester. The project covers the five steps of the systems development life cycle: planning, analysis, design, programming, and implementation. Prerequisite: CIS-370 or permission of instructor.

## CIS-410 Selected Topics in Information Technology

3 credits

Information and communication technologies are evolving rapidly and continually. The Special Topics course facilitates the exploration of a selected topic (or combination of topics) that represents a recent technological advance with important and direct implications in the field of computer information systems. Current research, readings, lectures, discussions and/or hands-on computer experience or other appropriate measures will be employed to stimulate student learning. Prerequisites to be determined by instructor.

## CIS-420 Enterprise Security

3 credits

Students will be provided with complete coverage of computer security in all forms including hardware, network, and software program security. Through hands-on labs, students will learn firsthand how enterprise systems can be comprised and how computer professionals can prevent and provide counterattacks for security intrusions. Prerequisite: CIS-310 or permission of instructor.

## CIS-430 Enterprise Systems Integration

3 credits

The major focus of this course includes the forces driving enterprise integration as well as the management decisions associated with the design and implementation of enterprise systems. Students will use SAP R/3 extensively to configure, build, test, and implement an enterprise system for a real business environment from the ground up. Prerequisite: CIS-185 and ACC-210.

## CIS-485 Management Information Systems

3 credits

The course focuses on the use and management of information systems and technology for the strategic and operational advantage of the firm. Students learn the business value of information resources of a firm, which include a variety of hardware, software and communications technologies. Additionally, students experience the implications of enterprise integration with hands-on experience using SAP R/3. Prerequisite: CIS-185.

## CIS-490 Independent Research and Study

3 credits

Topic to be approved by professor and department chairperson. Available for juniors and seniors. No more than 12 credits allowed toward graduation. Prerequisite: Permission of instructor.

## CIS-491 Summer Computer Information Systems Internship

3 credits

This is an honors course that provides the student with approximately two months of supervised employment with participating companies. Students are given a variety of information technology experiences. They are required to complete a term paper and to make an oral presentation to the faculty. Pass/fail. Prerequisite: permission of instructor.

## Economics (ECO)

### ECO-200 Principles of Macroeconomics

3 credits

A collective view of income receiving and spending sectors of the national economy, including households, businesses, and governments. Problems: What determines the level of output, income, and employment achieved by the economy? What determines the growth of national output and employment? National income accounting, income and employment theory, monetary system, general price level, business cycle, government policies designed to provide for full employment, price stability, and economic growth are covered. Prerequisite: MSD-104 or MTH-100S or passing grade on math placement exam.

# COURSE DESCRIPTIONS

## **ECO-201 Principles of Microeconomics**

3 credits

Market price systems are analyzed. The nature and characteristics of consumer and producer behavior, the theory of pricing in competitive and noncompetitive markets, and determination of the distribution of output are evaluated. Welfare, social control, monopoly, and income inequality are explored in the light of price theory. The role of the United States in the world economy is explored. Prerequisite: MSD-104 or MTH-100S or passing grade on math placement exam.

## **ECO-210 Intermediate Macroeconomics**

3 credits

An analytical study of modern aggregate economic theory. Emphasizes the measurement and determination of income, employment, and price levels, as well as economic policy in theory and practice. Prerequisite: ECO-200. spring

## **ECO-211 Intermediate Microeconomics**

3 credits

This course is designed to give the student a thorough understanding of microeconomic theory. As such, the course will analyze the behavior of both consumers and producers, and how this behavior determines the price and quantity observed in the market. The course objective is to provide students with the necessary theoretical background to enable them to solve meaningful and practical problems. Thus, the course is both theoretical and applied in its orientation. The course will emphasize that economic theory can be used not only to solve market oriented problems, but social and public policy problems as well. Prerequisite: ECO-201. fall

## **ECO-300 Business Conditions Analysis and Forecasting**

3 credits

Business conditions change daily. Students study them as they change, learning to understand them in the light of economic theory, learning how each part of the economy is affected, and learning the advantages and limitations of the most reliable forecasting methods. Prerequisite: ECO-200, MSD-201, or permission of instructor. fall

## **ECO-301 Managerial Economics**

3 credits

Intensively examines the theory of the firm with applications to the solution of such managerial problems as demand forecasting, the nature and behavior of costs, and product pricing. Introduces the use of simple mathematical and statistical tools that are employed with economic analysis for solving managerial problems. Prerequisites: ECO-201, MSD-105 and MSD-201 or permission of instructor. fall

## **ECO-305 International Trade and Investment**

3 credits

Studies the theory, institutions, and structures underlying the international flow of trade and investment. Topics are: the theory of international trade; balance of payment analysis; the international monetary system; adjustment to balance of payment disequilibrium; regional economic integration; the economic effects of trade restrictions; and trade and foreign investment problems of developing nations. Prerequisite: ECO-201 or permission of instructor. spring

## **ECO-315 Comparative Economic Systems**

3 credits

Provides a conceptual framework for classifying and comparing economic systems. Presents theory of the capitalist market economy and case studies of the U.S., Japanese, French, and Swedish economies. Examines theory of the centrally planned economy, its transition, and case studies of the Soviet and its successor states, Chinese, and East European economies. Case studies are necessarily limited, concentrating on selected topics, such as transition strategies, industrial policy, etc. Prerequisite: ECO-201 or permission of instructor. fall

## **ECO-325 Industrial Organization**

3 credits

Explores the relationship between market structure and performance. Topics include concentration in individual industries, product differentiation and entry barriers, pricing and marketing policies, and antitrust policies and their consequences. Prerequisite: ECO-201 or permission of instructor. spring

## **ECO-330 Labor Market Analysis**

3 credits

Intensive study of the economics of the labor market, which examines the determinants of labor supply and demand, and market equilibrium in the labor market.

This enables the student to understand what determines wages, labor force participation, occupational choice, the extent of education and training, unemployment, poverty, union membership, and discrimination in the labor market. Prerequisite: ECO-201 or permission of instructor. fall

## **ECO-335 Economics of the Public Sector**

3 credits

Analyzes the economic roles of government: allocation; distribution; and stabilization. The course examines the tools used by governments, especially the federal government, such as taxation, expenditures, regulations and laws in order to achieve economic goals. The course will give special attention to social regulation. Prerequisite: ECO-201 or permission of instructor. spring

## **ECO-336 Economics of the Health Care Sector**

3 credits

This course presents ways in which economic analysis can be used to explain issues in the health care industry. Microeconomic tools will be used to describe the behavior of consumers, producers, and third parties of the health care sector. The course also investigates the role of government in regulating the health care sector, and in providing services to the poor and elderly. Finally, we will use this foundation to examine some recent changes in this industry, and to analyze the most recent proposals for further changes.

*Note: This course is cross-listed as HTH-336. Students may not get credit for both ECO-336 and HTH-336. For business students who take the course as ECO-336, the course will count as a business course. If taken as HTH-336, the business student will receive credit as a liberal arts course.*

## **ECO-340 Mathematical Economics**

3 credits

Introduces mathematical economic models. Emphasizes equilibrium analysis, e.g., market and national income models; optimization problems, e.g., profit and utility maximization; and mathematical programming. Introduces differential and difference equations as they relate to dynamic economic models, which introduce time as a variable. Prerequisites: ECO-200 or ECO-201, MSD-105 and MSD-106, or permission of instructor.

# COURSE DESCRIPTIONS

## ECO-345 Transportation for Business and Society

3 credits

Studies the theoretical and policy-related aspects of the allocation of resources engaged in transportation. Special attention to the pricing and provision of individual and mass transport services in national, regional, and urban settings. Prerequisite: ECO-201 or permission of instructor. spring

## ECO-350 Business Location and Environmental Scanning

3 credits

Studies the economic forces that influence the observed locational patterns of agricultural, manufacturing, trade, and residential activities in urban and rural areas. Prerequisite: ECO-201 or permission of instructor. fall

## ECO-360 Contemporary Economic Issues

3 credits

Selected current issues are examined within the framework of economic theory. Specific topics undertaken will be announced at pre-registration. Prerequisites: ECO-200 and 201 or permission of instructor.

## ECO-365 The Post-Soviet Economy and U.S. Business

3 credits

Studies the contemporary post-Soviet economic system, with emphasis on institutions, policies and issues related to business opportunities in this area. Topics covered include the historic, geographic, political, and cultural setting, planning and plan implementation in the traditional system, current reforms and prospects for the future, with special reference to the foreign trade institutions and experience of foreign firms doing business in the post-Soviet Union and East European countries. Prerequisites: ECO-200, ECO-201. spring

## ECO-370 Development of Modern Economic Thought

3 credits

An introduction to the development of economic thought beginning with the Mercantilists and including such schools as the classical, socialist, neoclassical, institutionalist, Keynesian, Chicago, and Galbraithian. Prerequisites: ECO-200, ECO-201, or permission of instructor. spring

## ECO-380 Introduction to Econometrics

3 credits

Introduces the basic concepts and methods of econometric analysis. The fundamental techniques of constructing and testing econometric models are examined and analyzed with particular emphasis on their applicability in business and government decision-making. Students have the opportunity to construct and simulate their own simplified versions of an econometric model. Prerequisites: ECO-200 and MSD-201 or permission of instructor.

## ECO-450 Seminar in Economic Research

3 credits

Students in the course learn to conduct economic research by engaging in an actual community-based research project. At the beginning of the semester, students are assigned to a community-based organization. As a team, students meet with the client, devise a plan of action, collect and analyze data and other information, and write a report to the client. At the end of the semester, students present their findings to the client. Prerequisite: Permission of instructor.

## ECO-490 Independent Research and Study

3 credits

Topic to be approved by professor and department chairperson. Available for juniors and seniors. No more than 12 credits allowed toward graduation.

## ECO-491 Internship/Independent Study

3 credits

This course is available to qualified economics majors and minors. Evaluation is based on a performance appraisal provided by the participating firm and a project/paper judged by the department's internship director. This course can be used as a business or free elective. Permission of instructor.

## Education (EDU)

\*An asterisk indicates a course that may be taken only by students who have been formally admitted to the teacher education program, see page 27.

### EDU-010 Cohort Seminar

1 supplemental education unit

Designed for students new to education, this seminar is a small-group experience that serves as an orientation to the program. Concerns about preparing to be a professional as well as academic and personal develop-

ment are considered in one-hour weekly sessions. The one supplemental education unit does not count toward graduation; grading is on a pass/fail (Y/Z) basis.

### EDU-106 Contexts of Schooling

3 credits

Students in this field-based course will begin to examine aims, practices, and contemporary issues of schooling in their historical, sociological, philosophical and futuristic contexts and from the perspectives of various multicultural constituencies—students, parents, local community, wider economic community, government, and the profession. In doing so, they will begin to develop professional skills of observation, reflection, analysis, and argument. This course must be taken concurrently with Developmental Educational Psychology. A cumulative GPA of 2.75 is required.

### EDU-206 Developmental Educational Psychology

3 credits

This field-based course focuses on (a) the cognitive, personality, social, creative, and moral development of children; (b) influential theories, concepts, and research findings of educational psychology; and (c) the translation of psychological theory into classroom practices. This course must be taken concurrently with Contexts of Schooling. A cumulative GPA of 2.75 is required.

### EDU-\*262 Teaching in the Bilingual or Immersion Classroom

3 credits

Students observe, prepare, and present a variety of lessons in reading, language arts, and various school subjects, in English and another language. Focus is on the appropriateness and adaptation of methods and materials for first or second language learners. Evaluation of student progress as well as curriculum design and classroom management for students of diverse language levels also are covered. This course fulfills the pre-practicum field experience for students in the bilingual education and foreign language program.

### EDU-320 Instructional Linguistics and Second Language Learning

3 credits

A general linguistics course that provides a contrastive study of English, French, German, and Spanish sounds, forms and syntax. Students visit schools where they interview language learners and sample their speech for analysis. Applications of these studies are made to creating instructional materials and to teaching. Theories of language acquisition as well as factors affecting second language learning, including learning



# COURSE DESCRIPTIONS

styles and personality, are studied. A rationale for communicative language teaching and learning is constructed.

## **EDU-324 Issues in Day Care**

**3 credits**

Issues facing parents and early childhood educators are explored, including program funding, government regulations, mainstreaming, child abuse, liability insurance, community support systems, nanny care, family day care, center care, and intergenerational care.

## **EDU-\*451 Special Topics: Education**

**3 credits**

Student teachers, graduate interns, Rider faculty, cooperating teachers, and building-level administrators will engage in collaborative study of a topic through reading, writing, discussion, observation, and reflection on their work in classrooms. Work in these seminars will help student teachers synthesize knowledge from their professional courses and all participants extend their understanding of a particular topic pertaining to teaching. Teacher research methods will be employed as participants analyze their own teaching through perspectives of the seminar topic. Topics will vary each semester. This course is dual-listed for undergraduate and graduate credit. Enrollment is limited to students concurrently enrolled in student teaching and to cooperating teachers and principals working with them.

## **EDU-460 Educating and Evaluating the Bilingual Child**

**3 credits**

An examination of the historical, legal and pedagogical aspects of the education of language minority students. Considers the design of school programs for minority students including legal mandates, testing, staffing and funding. Emphasis is placed on the evaluation of bilingual students as they enter, develop and exit from special programs of study.

## **EDU-\*465 Student Teaching and Seminar**

**12 credits**

A full-time program for seniors providing practical teaching experience in an accredited elementary or secondary school. Under the direct supervision of the cooperating teacher, student teachers are responsible for the planning of lessons and for teaching in their areas of specialization and for developing a high level of teaching competency. Supervisors from Rider observe the student

teachers at work, confer with the cooperating teachers and student teachers, and evaluate the growth of the student teachers throughout the internship period. Special topics are considered in seminars held in conjunction with student teaching. These topics include school health and substance abuse, school law, teacher certification and placement, classroom management, mainstreaming, professionalism, and other topics deemed appropriate by the faculty and student teachers. Prerequisites: 1. Satisfactory completion of junior-level professional courses; 2. Cumulative GPA of at least 2.8 prior to commencing the semester in which student teaching is to be completed; 3. All professional education courses, with the exception of those taken concurrently with student teaching, must be completed with a grade of C+ or better; 4. A candidate for student teaching must be approved by the education division and the coordinator of student teaching. Student teaching fee: \$245.

## **Education: Business Education (BED)**

\*An asterisk indicates a course that may be taken only by students who have been formally admitted to the teacher education program, see page 27.

## **BED-201 Word Processing: Beginning**

**1 credit**

Students will be introduced to touch keyboarding on a computer keyboard. They will keyboard personal business letters, tables and short reports using the create, edit and print functions of a major word processing package. Discussion will be held regarding how keyboarding and word processing can be taught in secondary and elementary classrooms. Students will prepare a paper summarizing a keyboarding/word processing software package of their choice. pass/fail

## **BED-202 Word Processing: Advanced**

**1 credit**

Advanced word processing functions will be covered including search, pagination, headers/footers, macros, line draw, footnotes and endnotes, block and move, merge and sort. A major word processing package will be used. Discussion will be held on how to use advanced word processing functions in elementary and secondary classes. A paper summarizing an advanced word

processing software program will be completed. Prerequisite: BED-201 or equivalent. pass/fail

## **BED-203 Desktop Publishing and Graphics**

**1 credit**

Low-level desktop publishing is examined using a major word processing package and a major graphics package. This course enables students to prepare newsletters, simple newspapers, flyers, brochures, letterheads, and banners as well as line, bar, and circle graphs. This course is appropriate to education majors who expect to be involved in designing and overseeing student publications and for those who will use graphics in their teaching and personal lives. Discussions will be held on how to integrate desktop publishing and graphics into elementary and secondary curriculums. A paper summarizing a desktop publishing/graphics software package will be completed. Prerequisite: BED-202 or equivalent. pass/fail

## **BED-204 Spreadsheets**

**1 credit**

Basic electronic spreadsheet concepts and applications are taught using a major spreadsheet program. Topics include writing basic formulas, copying formulas, playing "What If," customizing a worksheet, and printing a spreadsheet. Discussions will be held on how to integrate spreadsheets into elementary and secondary classes and activities. A paper summarizing a spreadsheet software package will be completed. pass/fail

## **BED-205 DOS/Windows**

**1 credit**

This course will give students a basic understanding of Disk Operating Systems (DOS) and Windows. Students will learn to set up and use a variety of applications. pass/fail

## **BED-206 BASIC Programming**

**1 credit**

An introductory course to provide an understanding of and the ability to use the BASIC computer language. Emphasis is placed on the fundamental elements of the BASIC language. Students will design and write programs. pass/fail



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## **BED-207 HyperCard**

1 credit

This course will give students a basic knowledge of HyperCard, a multimedia program. Students will learn to set up and use stacks in a variety of applications that are appropriate for their major fields of study. This course is especially useful for elementary education majors who expect to be involved in creating multimedia applications for their classrooms. The use of color, sound and animation will be included. Students will complete a final project incorporating several multimedia features. pass/fail

## **BED-208 Internet**

1 credit

This course will give students a basic knowledge of the Internet. Students will learn to use electronic mail and the World Wide Web. The use of the Internet in educational research will be stressed. Topics will include the history and current status of the Internet, browsers, search engines, bookmarks, evaluation of Web pages and home pages. Students will complete a research project appropriate to their major field of study. pass/fail

## **BED-209 Presentation Software**

1 credit

This course will give students skills in the use of presentation software designed for microcomputer applications. Students will explore the features of Microsoft's Power Point program and design projects for presentation. Prerequisite: BED-202 or equivalent. pass/fail

## **BED-211 Web Page Development**

1 credit

This course will provide students with the knowledge and skill to develop Web pages incorporating text, graphics, sound and video enhancements. Students will be able to create a personal Web page usable for uploading to an Internet server. pass/fail

## **BED-212 Word Processing: Applications**

1 credit

Word Processing: Applications introduces students to high-level word processing concepts and critical thinking skills using a major integrated office applications program. Advanced word processing topics covered include merging, multiple page documents, headers and footers, footnotes and endnotes, outlines and graphics. There will be emphasis on the integration of word processing with the Internet. Integrated self-paced challenge activities and critical thinking activities will provide opportunities for

students to apply their accumulated word processing expertise in a variety of settings. Prerequisite: BED-202. pass/fail

## **BED-213 Data Base Software**

1 credit

This course will provide students with the knowledge and skill to build, maintain and manipulate data base files. Students will be able to demonstrate the relationship between data within a data base management program. Prerequisite: BED-204. pass/fail

## **BED-215 Electronic Portfolios**

1 credit

Students in Electronic Portfolios will use a popular Web-based portfolio system accessed through Internet Explorer. They will study the many uses of electronic portfolios, conduct an Internet search on electronic portfolios, evaluate sample electronic portfolios and create their own electronic professional portfolio. Some independent work may be required. Prerequisites: BED-202 or equivalent. pass/fail

## **BED-307 Concepts of Instructional Media and Technology**

3 credits

Designed to provide the student with familiarity and appreciation of the role of educational technology in the workplace as it applies to students, teachers, administrators, and trainers. The student will explore the Internet, various educational multimedia, distance learning, virtual reality environments, learning theories, and integration models. Appropriate developmental/reflective strategies will be incorporated with instruction. Although multimedia microcomputers will be utilized throughout the course, prior microcomputer knowledge and experience is not a critical element. Multimedia expertise will be developed as the course progresses. Prerequisites: BED-202, BED-209 or equivalents. Open to all students.

## **BED-308 Directed Study in Instructional Media and Technology**

3 credits

Designed to enable the student to develop instructional presentations utilizing the advantages of multimedia technology. Each student will be required to create a multimedia portfolio that contains information presentations, cumulative records, presenter notes, work samples, photo library, video animation and audio narration. Cooperative learning strategies will be utilized throughout the course. Developmental/reflective strategies will include self-reflection, peer

feedback and interaction with the instructor in class and via e-mail. Expertise will be developed as the course progresses. Prerequisites: BED-204, BED-209 or equivalents. Open to all students.

## **BED-309 Instructional Media and Technology Management**

3 credits

Designed to develop technology management skills that can be used for individual classrooms, training centers, subject area specializations, grade levels, school laboratories, curriculum integration, administrative functions, system networks, community services, communication systems and connecting linkages between educational/work environments and home. Various management strategies will be explored and each student will have an opportunity to design, via a multimedia microcomputer, an instructional technology system of their choice along with a management plan. Cooperative learning strategies will be utilized throughout the course. Developmental/reflective strategies will include self-reflection, peer feedback and interaction with the instructor in class and via e-mail. Prerequisite: At least six semester hours of technology courses or modules.

## **BED-410 Principles and Strategies of Vocational and Cooperative Education**

3 credits

Designed as one of the specialized courses in the preparation of business and marketing education teachers and teacher-coordinators of cooperative work experience programs. The philosophy and history of education for and about work, including technology, are studied along with the principles and strategies for organizing and administering vocational cooperative education programs. Developmental/reflective evaluative techniques will be applied for the assessment of self, students, instruction and selected case studies. Current instructional concepts, organizational and administrative strategies, legislative enactments, and regulations pertaining to the employment of youth are included. Special attention is given to the role of vocational student organizations and advisory committees. Open to all students.

## **BED-\*415 Teaching Business Subjects**

3 credits

Instructional strategies in the teaching of business and marketing subjects are analyzed and demonstrated. Students are required to prepare lesson plans, teach demonstration

lessons, develop a unit plan, and compile a resource file of teaching materials. Videotaping of demonstration lessons is integrated with the course work to encourage developing teaching competency through a series of instructional modules appropriate to the student's certification interests.

### **BED-445 Cooperative Work Experience for Education Majors**

**3 credits**

A minimum of 300 hours of a supervised occupational experience or a supervised internship program in an approved work station or institution. The experience is coordinated and supervised by a qualified coordinator of occupational education. A series of activities are designed to relate job and intern experiences to the student's future role as an employee or a professional teacher. The student will be evaluated by the supervising employer and the University supervisor.

### **BED-490 Independent Research and Study**

Provides the student with an opportunity to study an area of personal interest. The outline for the study must be accepted by a sponsoring professor and approved by the student's department and academic dean. The number of semester hours credit to be assigned is determined by the department.

## **Education: Elementary Education (ELD)**

Enrollment in elementary education courses is limited to students in the teacher education program.

### **ELD-307 Emergent Literacy: P-3**

**3 credits**

This course is needed to meet the requirements for the specialized endorsement in Early Childhood. The course establishes a solid foundation of knowledge about literacy in the early years and dispels myths regarding readiness to read and write. In addition, the course contains the foundational aspects of literacy, including the relationship between oral language and literacy, the linguistic foundation of literacy, and the social contexts of literacy learning. Prerequisites: EDU-106 and EDU-206.

### **ELD-308 Fostering Language and Literacy Development**

**3 credits**

Explores current understanding of the fields of reading/language arts from the perspectives of theory and practice. Students write lesson plans, critique methods of instruction and assessment and develop a portfolio of an individual student from their field site. Prerequisites: EDU-106 and EDU-206.

### **ELD-350 Early Adolescence**

**1 credit**

This course will focus on common dilemmas faced by young people as they move from childhood into adolescence. It will examine age-related differences between children and adolescents and consider ways to create stimulating environments that fit this developmental transition. Representations of adolescence in the media and in research will be compared, including common stereotypes. Prerequisites: PSY-100, EDU-106 & EDU-206. Required GPA of 2.75. fall or spring

### **ELD-355 Teaching in the Inclusive Middle School Classroom**

**1 credit**

This course will highlight the legal and ethical responsibilities of general education teachers in the middle school classroom. The special education process will be discussed and methods to address special needs in the classroom will be shared. Strategies to differentiate instruction and work collaboratively with school community members will help pre-service teachers develop and implement effective instruction that meets diverse needs in the middle school inclusive classroom. Prerequisites: EDU-106 and EDU-206. Required GPA of 2.75. fall or spring

### **ELD-360 Structure and Culture of Middle School Education**

**1 credit**

This course focuses on the teaching of those concepts critical to the understanding of the structure and culture of middle school education. Prerequisites: EDU-106 & EDU-206. Required GPA of 2.75. fall or spring

### **ELD-375 Teaching Math N-8**

**3 credits**

This course focuses on the teaching of mathematics that is developmentally appropriate for students from nursery to grade eight. In keeping with ACET, NAEYC, and NCTM Standards, emphasis

is placed on planning for and implementing an integrated curriculum approach, discovery learning, hands-on experience, theme cycles, use of technology, and traditional and non-traditional assessment strategies. Field experiences will consist of classroom observations and teaching individuals and/or small groups of students. Prerequisites: EDU-106 and EDU-206.

### **ELD-376 Teaching Science, Social Studies and the Arts**

**3 credits**

This course focuses on methods and materials of instruction in science, social studies, and the arts that are developmentally appropriate for students in preschool through grade eight. This course will incorporate the knowledge and professional attitudes put forth by the National Council for the Social Studies, the American Association for the Advancement of Science, National Art Association, and the Music Educators National Conference. Emphasis is placed on integrated curriculum, hands-on-experiences, theme cycles, unit planning, and traditional and non-traditional assessment strategies. Field experience will consist of observation and analysis of a unit of study over time in at least one field site as well as continued teaching of lessons to individual and/or small groups of children. Prerequisites: EDU-106 and EDU-206.

### **ELD-380 Teaching Mathematics in the Middle School**

**3 credits**

This course focuses on the teaching of mathematics that is developmentally appropriate for students in grades six through eight. In keeping with the National Council of Teachers of Mathematics (NCTM) Standards, emphasis is placed on planning for and implementing an inquiry-based approach, hands-on experience, use of technology, and traditional and non-traditional assessment. Field experiences will consist of observations and teaching to individuals, small groups and whole classes of students. Prerequisites: EDU-106 and EDU-206. Required GPA of 2.75. fall or spring

### **ELD-385 Teaching Science in the Middle School**

**3 credits**

This course focuses on the teaching of sciences that is developmentally appropriate for students in grades six through eight. In keeping with the National Science Education Standards, emphasis is placed on

# COURSE DESCRIPTIONS

planning for and implementing an inquiry-based approach, hands-on experiences, use of technology and traditional and non-traditional assessment strategies. Field experiences will consist of observations and teaching to individuals, small groups and whole classes of students. Prerequisites: EDU-106 and EDU-206. Required GPA of 2.75. fall or spring

## **ELD-390 Teaching Social Studies in the Middle School**

3 credits

This course focuses on the teaching of social studies that is developmentally appropriate for students in grades six through eight. Its focus will explore understanding of United States history, geography and civics from the perspective of the middle school. The course emphasizes the ten themes of social studies as developed by the National Council for the Social Studies. In addition to the facts, concepts and generalizations encompassed by the ten themes, the course works with academic, social, thinking and citizenship skills. The required, intensive field experience in a middle school promotes direct application of the concepts, skills and dispositions addressed in the course. Prerequisites: EDU-106 & EDU-206. Required GPA of 2.75. fall or spring

## **ELD-395 Literacy Learning in the Middle School**

3 credits

This course focuses on the teaching of literacy that is developmentally appropriate for students in grades six through eight. It explores processes in reading, writing, speaking, listening and viewing, relationships among the language arts and other subject areas, and the development of critical literacy and cognitive strategies. The intense field experience in a middle school promotes direct application of the concepts, skills and dispositions addressed in the course. Prerequisites: EDU-106 and EDU-206. Required GPA of 2.75. fall or spring

## **ELD-490 Independent Research and Study**

Provides the student with an opportunity to study an area of personal interest. The outline for the study must be accepted by a sponsoring professor and approved by the student's department and academic dean. The number of semester hours credit to be assigned is determined by the department.

## **Education: Secondary Education (SED)**

Enrollment in secondary education courses is limited to students in the teacher education program.

### **SED-370 Teaching in the High School**

3 credits

This field-based course focuses on general pedagogy in grades nine through 12. Emphasis will be on generic teaching approaches, planning lessons and developing units of study, learning styles, issues and techniques of evaluation, and multiculturalism. Working in local high schools, students continue observing and begin teaching lessons in their subject area specialization. Prerequisites: EDU-106 and EDU-206.

### **SED-400 Teaching English Language Arts in Secondary Schools**

3 credits

Students preparing to teach English in middle schools and senior high schools explore strategies for the imaginative teaching of literature, poetry, drama, grammar, composing processes, vocabulary, and oral language use. Students research, develop, and critique thematic units, analyze curriculum, and study the selection, development, and use of a wide variety of teaching materials. Traditional and alternative methods of assessment are explored. Prerequisites: EDU-106 and EDU-206. fall

### **SED-405 Teaching Social Studies in Secondary Schools**

3 credits

The theoretical foundations of teaching social studies in junior and senior high schools. Basic goals and aims of social studies instruction are studied, and specific methodological techniques are described and practiced. Demonstration lessons are prepared and presented. Considers typical problems with which teachers are confronted. Prerequisites: EDU-106 and EDU-206. fall

### **SED-410 Teaching Science in Secondary Schools**

3 credits

Classroom interaction analysis systems are utilized in the study of the teaching-learning process. Students develop their own repertoire of teaching strategies. Emphasis on the investigation and interpretation of recent curriculum developments, and the use of the laboratory in science instruction. Prerequisites: EDU-106 and EDU-206. fall

### **SED-415 Teaching Mathematics in Secondary Schools**

3 credits

The critical analysis of the aims of teaching mathematics in the secondary school; review of recent research in the content and teaching of mathematics by individuals and groups; demonstration lessons (reflective teaching) to illustrate techniques of teaching; the planning of lessons; selection and organization of materials and subject matter; and evaluation of lesson presentation. Prerequisites: EDU-106 and EDU-206. fall

### **SED-420 Teaching a Second Language**

3 credits

This course focuses on interactive methods of teaching a new language as well as cross-cultural understanding. Students learn to plan using national and state standards for language instruction, organize activities, design and direct language learning tasks, and assess learning. Includes theoretical positions on communicative language learning and teaching, the use and evaluation of currently used materials, the design of new materials, and field experiences in the language to be taught. Students keep a journal and develop their professional portfolio, participate in an e-seminar, prepare a unit of study, and present lesson segments. Open to prospective world language teachers, ESL and bilingual teachers, as well as practicing teachers seeking certification.

### **SED-431 Content Area Reading and Writing**

3 credits

Explores theoretical and methodological issues concerned with teaching reading and writing within content area classes. Students analyze junior high and high school textbooks and other reading materials, study methods of adjusting instruction to varying reading and writing needs of students, prepare directed reading activities in their specific content areas, and use informal diagnostic reading tools. Included is the preparation of content area writing assignments and the evaluation of student writing as well as the teaching of study skills. Emphasis throughout is on the integration of reading and writing into secondary school subject classes. Prerequisites: EDU-106 and EDU-206. fall

### **SED-490 Independent Research and Study**

The outline for study must be accepted by the professor and approved by the department. The semester hours credit to be assigned is determined by the department.



# COURSE DESCRIPTIONS

## Education: Early Childhood (ECE)

### **ECE-322 Observation and Assessment in Early Childhood Education**

3 credits

In this course, students will learn to collect, record, and interpret information about children's growth, interests, and needs, and the appropriateness and effectiveness of the educational experiences provided for them. Emphasis will be placed on selecting assessment strategies that are developmentally appropriate, culturally sensitive, responsive to a child's individual needs and strengths and matched to stated purposes and audiences. Prerequisites: EDU-106, EDU-206. fall

### **ECE-440 Early Childhood Curriculum and Teaching Internship**

3 credits

In this course, students will learn to make and assess developmentally appropriate and culturally responsive curriculum and teaching decisions in preschool through third grade settings by drawing on: (1) knowledge of child development and learning, (2) content area knowledge, (3) curriculum content standards, and (4) the strengths, interests, needs, home and community cultures, and developmental characteristics of individual children in preschool through third grade classrooms. Students will be placed in classrooms where they will be responsible for planning, facilitating, and evaluating learning of young children ages three through five. Over the course of the semester, students will gradually take on lead teacher responsibilities while working approximately six hours a week in their classrooms. At the end of the semester, they will return to their classrooms full time for three weeks at which time they will assume all responsibilities of a lead teacher. Supervisors from Rider will make six visits to each student over the course of the internship to provide coaching and evaluation. Internship fee: \$270. Prerequisites: EDU-106, EDU-206, ECE-322. fall

## Education: Special Education (SPE)

### **SPE-201 Inclusion and Students with Disabilities**

3 credits

This course is designed to introduce students to the inclusive classroom. Students will develop the ability to design and manage the instructional environment in an inclusive classroom setting. Through the use of case studies and classroom interactions, students will develop effective communication and collaboration skills for professional interactions. Attitudes and behaviors that influence children with special needs will be addressed. [NOTE: Prerequisite: None.]

### **SPE-202 Society and Individuals with Disabilities**

3 credits

This course will focus on the transition, community, and daily living concerns of individuals with disabilities. Through active participation in class and field sites and research, students will become aware of the various social issues related to family, education, transition, and work experiences of individuals with disabilities. Students will be required to complete a minimum of 30 weekday field hours in addition to regularly scheduled class hours. Prerequisite: SPE-201.

### **SPE-301 Assessment for Instruction in Special Education**

3 credits

This course will give students the opportunity to evaluate, select, develop and adapt assessment materials for children with special needs. The legal, cultural, and ethical implications of assessment will be discussed. Administration and interpretation of formal and informal assessments will be addressed. Emphasis will be placed on using assessment information to make decisions about appropriate placement and learning environments, as well as making decisions for effective instruction in the classroom. Prerequisites: SPE-201.

## **SPE-302 Instructional Practices for Children with Disabilities**

3 credits

This course will give students the opportunity to evaluate, select, develop and adapt instructional and assessment materials for children with disabilities. Using various case studies, students will have the opportunity to develop an individualized educational program and synthesize assessment information to make appropriate instructional decisions. Students will experience the collaborative process and develop their ability to function as part of an educational team. A field experience with children with disabilities will enable students to apply knowledge in a realistic classroom setting. Prerequisite: SPE-201, SPE-301.

## English Composition (CMP)

### **CMP-100S Introduction to College Writing**

0-3 credits

Students will develop college-level skills in critical reading of challenging texts and in writing expository essays responding to those texts. Students can receive credit if they attain a level of proficiency equal to satisfactory completion of CMP-120 (a final grade of C or better).

### **CMP-115 Introduction to Expository Writing**

3 credits

Students will develop college-level skills in critical reading of challenging texts and in writing expository essays responding to those texts.

### **CMP-116 English as a Second Language**

3 credits

This course is designed for students whose primary spoken and written language is not English, but who have previously studied English as a foreign language. Students will use critical thinking strategies to analyze and respond to college-level readings through class discussions of ideas and by writing essays in coherent, academic prose. The course will also include attention to grammatical, stylistic, and idiomatic competence.



# COURSE DESCRIPTIONS

## CMP-120 Expository Writing

3 credits

Students will increase their competence in the critical reading of challenging college-level texts that engage significant ideas and in writing effective essays that advance a clear and meaningful thesis while demonstrating understanding of those texts. The second of the department's three-course composition sequence, CMP-120 must be taken by students who have successfully completed CMP-115 or CMP-116 or who have attained a 530 or above on the written section of the SAT or attained a specified qualifying score on the English department placement test.

## CMP-125 Research Writing

3 credits

Introduces students to the process of library research and documented writing. Emphasis will be on the refinement of critical reading, thinking, and writing strategies applied to multiple sources and documented papers. Prerequisite: CMP-120.

## CMP-203 Literature and Composition

3 credits

Students will write research papers and do library research through the use of literary materials. The course emphasizes increasing the comprehension of ideas and experiences by means of selected readings and is open to students who receive a grade of A or B in CMP-120; it may be used as a substitute for CMP-125. spring

## English Literature and Writing (ENG)

### ENG-205 Understanding Literature

3 credits

The novel, the short story, drama, and poetry are studied, with a view to the insights to be gained from literature.

### ENG-210 Major American Authors

3 credits

An introductory course focusing on major American poets, novelists, essayists, and playwrights.

### ENG-211 Major British Authors

3 credits

An introductory course focusing on major British poets, novelists, essayists, and playwrights. Students will learn to understand, interpret, and evaluate literary works.

## ENG-213 Literature and Mythology

3 credits

The interrelationships that exist between literary works and folklore, ritual, and religious scriptures and beliefs are explored. The primary emphasis is on analyzing the presence of mythic patterns in specific literary works; the secondary emphasis is on theories of mythology.

## ENG-215 Satire and Comedy

3 credits

Explores these two related modes of literature with the primary emphasis on satire. Possible readings include works by Euripedes, Jonson, Shakespeare, Moliere, Voltaire, Pope, Swift, Dickens, Twain, Wilde, Waugh, Orwell, and Heller.

## ENG-217 Introduction to Shakespeare

3 credits

Students in this course study Shakespearean drama on an introductory level through close reading, analysis, and discussion of selected plays. They learn the relevance and importance of Shakespeare's themes, characterizations, and imagery.

## ENG-220 Literature and Society

3 credits

Literature is examined, emphasizing human behavior as it relates to such social phenomena as war, alienation, social disorganization, injustice, and poverty.

## ENG-221 Literature and Psychology

3 credits

Students will study Freudian and other psychoanalytical concepts as they appear in literature, plus psychological patterns of behavior such as aggression, frustration, and submission, that have been utilized by creative literary artists to expand the reader's understanding of the human experience.

## ENG-224 Science Fiction: The Human Link

3 credits

Studies representative examples of science fiction, including novels and short stories. Established classics of the genre, contemporary works, and representative themes and types of science fiction are considered.

## ENG-226 Introduction to Film

3 credits

Focuses on various cinematic techniques used to develop underlying thematic and symbolic concepts and to manipulate the audience. Analyzes classical shorts and features for their masterful use of visual language.

## ENG-228 Black American Literature

3 credits

A survey of writings by black Americans, presented historically from early slave narratives through emancipation, reconstruction, the Harlem Renaissance, and literature from the 1930s to the present.

## ENG-229 Multi-Ethnic Literature in America

3 credits

Surveys the literature of various ethnic groups. Includes five groups of writers (other than black Americans): native American (Indian Americans); Asian American; Hispanic American; Jewish American; and, white ethnic writers.

## ENG-230 Women in Literature

3 credits

A range of literary presentations of the female experience and of the conditions of women's lives is explored. These works are placed in historical and social contexts in order to see behind and beyond traditional literary conventions.

## ENG-240 Methods of Literary Analysis

3 credits

The study and application of various modes of literary criticism practiced in this century, including formal, structural, psychological, and sociocultural methods of analysis. Required of all English majors.

## ENG-250 Literary History I

3 credits

Surveys British literature beginning with the old English epic of *Beowulf* and ending with the British Romantic writers of the early 1800s. There will be an emphasis on the cultural and historical contexts of the works discussed as well as an appreciation for the aesthetic qualities of the individual texts and the characteristics of literary movements. This course is a prerequisite to ENG-251 and is required of all English majors and minors.

## ENG-251 Literary History II

3 credits

Surveys American and British literature since the 1820s. There will be an emphasis on the cultural and historical contexts of the works discussed as well as an appreciation for the aesthetic qualities of the individual texts and the characteristics of literary movements. Required of all English majors and minors. Prerequisite: ENG-250 or permission of the instructor or chairperson.

# COURSE DESCRIPTIONS

## ENG-270 Major Poets

3 credits

Studies major American and British poets.

## ENG-280 Special Topics in Literature

3 credits

Uses literary works to achieve insights into different areas of human experience. Topics change annually as announced by the English department.

## ENG-284 Language of Film Analysis

3 credits

Provides students with the fundamentals necessary for achieving beginning proficiency in methods of cinema studies scholarship. The course provides an in-depth introduction to concepts of film analysis, theory, and history, as well as to the field of cinema studies as an academic discipline. Through close analysis of selected films and readings, students will examine the various and complex ways in which formal elements shape meaning. Students also will study key concepts in film theory, applying these concepts as a further means of understanding the ways in which film positions viewers and mediates ideology. Required of all English majors and minors with a cinema studies concentration.

## ENG-290 The Short Story

3 credits

Presents the development of the short story from the 19th century to the present with an emphasis on the techniques of plot, setting, characterization, theme, and point of view.

## ENG-303 Creative Writing: Poetry

3 credits

A workshop analyzing the techniques of poetic expression, with a focus on the student's original experiments in traditional and contemporary verse forms. Prerequisite: completion of composition requirements or permission of instructor.

## ENG-304 Creative Writing: Fiction

3 credits

Students write original fiction and analyze the techniques of writing fiction in discussion of both their own drafts and published examples of the form. Prerequisite: completion of composition requirements or permission of instructor.

## ENG-305 Creative Writing: Nonfiction

3 credits

Students will study the forms of creative nonfiction – the personal essay, memoir, travelogue, reflective essay, nature writing, and other types of literary essay – and write essays of their own, informed by models they have read and discussed in class. Students will receive feedback on their drafts and revise them for a portfolio that will be turned in at the end of the semester. Prerequisite: completion of composition requirements or permission of instructor.

## ENG-311 Creative Writing: Playwriting

3 credits

A workshop teaching and analyzing how students write for the stage that pays particular attention to the demands of the genre. Through reading and writing assignments, students will discuss and analyze the development of their own dramatic scripts for theatrical performance. A portfolio of revisions will serve as a final for the course.

## ENG-312 Creative Writing: Screen Writing

3 credits

A workshop teaching and analyzing how students write for the screen, both television and film, that pays particular attention to the demands of the genre. Through reading and writing assignments, students will discuss and analyze the development of their own dramatic scripts for production. A portfolio of revisions will serve as a final for the course.

## ENG-315 Topics in Specialized Writing

3 credits

A workshop in which students will write on specialized topics chosen by the instructor. Prerequisite: completion of composition requirements or permission of instructor.

## ENG-316 Theories of Writing and Tutoring

3 credits

A workshop on writing and tutoring theory for students interested in becoming writing tutors or teachers. Prerequisites: minimum GPA 3.0, sophomore standing, and permission of the instructor.

## ENG-317 Electronic Writers Workshop

1-3 credits

Students meet weekly to workshop the writing of participating off-site students. Prose and/or poetry, electronically exchanged via the Internet and/or electronic mail, will be workshopped in distance sessions. Students gain experience responding to works in progress through the technology of electronic communication. Course may be repeated with permission of the instructor and the department. Prerequisite: completion of composition requirements or permission of instructor.

## ENG-321 Workplace Writing: Business and Professional Contexts

3 credits

A workshop in writing effectively to achieve specific practical purposes in various professional and workplace environments. Prerequisite: completion of composition requirements or permission of instructor.

## ENG-322 Workplace Writing: Grant Proposals, Fund Raising and Development

3 credits

Readings address career opportunities in development and practical guidelines on writing grants. Short writing exercises early in the semester, along with research assignments on the Internet, in books, and in periodicals will lead to preparation of a full-length grant proposal in the student's chosen field. Prerequisite: completion of composition requirements or permission of instructor.

## ENG-323 Workplace Writing: Reviewing and Publishing

3 credits

Students learn to compose their own analytical critiques of the arts through reading and critical analysis of significant literary fiction, drama, film, and other arts, as well as through the reading of essay reviews in a variety of sources including literary quarterlies and supplements. Attention will also be given to editing skills and publishing processes. Prerequisite: completion of composition requirements or permission of instructor.

## ENG-331 Medieval Literature

3 credits

A seminar in Old and Middle English authors, such as Bede, Chaucer, and Kempe, and texts, such as *Beowulf*, moralities, and mystery cycles. Students may be

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introduced to linguistic issues, historical and political concerns and critical topics such as literacy, canon formation, and gender.

## ENG-333 16th-Century Literature

3 credits

A seminar on Renaissance literature including such writers as More, Wyatt, Surrey, Spenser, Sidney, Shakespeare, and Marlowe.

## ENG-335 17th-Century Literature

3 credits

A seminar on literature in England from 1600 to 1660, including such writers as Donne, Jonson, Browne, Herbert, and Marvell.

## ENG-340 Restoration and 18th-Century Literature

3 credits

A seminar on literature in England from 1600 to 1800, including such writers as Astell, Pope, Finch, Swift, Defoe, Fielding, and Wollstonecraft.

## ENG-345 Romantic Literature, 1780-1830

3 credits

A seminar on literature in England from 1780-1830, emphasizing a close study of the poetry of Blake, Wordsworth, Coleridge, Shelley, Byron, and Keats.

## ENG-346 Victorian Literature, 1830-1900

3 credits

A seminar on literature in England from 1830 to 1900, emphasizing close study of the literary culture, including such writers as Dickens, Browning, Mill, and Ruskin.

## ENG-347 20th-Century British Literature

3 credits

A seminar on literature in the United Kingdom from 1900 to 1960, emphasizing formal experiments as well as historical contexts, and including such writers as Joyce, Woolf, Beckett, Rhys, Delaney, and Eliot.

## ENG-348 Contemporary British Literature

3 credits

A study of contemporary literature written in English after 1945, in the U.K. and elsewhere, by writers of British, Irish, Scots, Welsh, and other cultural traditions. Poetry, fiction, literary essays, and drama will be included.

## ENG-351 19th-Century American Literature

3 credits

A seminar on literature in the United States from 1800 to 1900, emphasizing literary genres and the definition of an American literature as distinct from English literature.

## ENG-352 20th-Century American Literature

3 credits

A seminar on American literature from 1900 to 1967, including such writers as O'Neill, Hemingway, Faulkner, Porter, Richard Wright, Stevens, Moore, and Williams.

## ENG-353 Contemporary American Literature

3 credits

A seminar on American literature from 1945 to the present.

## ENG-362 The Novel

3 credits

A close reading of novels from various historical periods and cultures.

## ENG-363 The Drama

3 credits

A close reading of drama, with attention to cultural contexts and the genres of tragedy and comedy.

## ENG-364 The Poem

3 credits

A close reading of poetry, with attention to historical periods and poetic genres.

## ENG-365 Short Fiction

3 credits

A close reading of short fiction from a variety of cultures, with attention to the various genres of short fiction: short-short, short story, long story, and novella.

## ENG-371 Classics of Children's Literature

3 credits

An analytic study of enduring literature for children and adolescents. Emphasis on classics by the Grimm brothers, H. C. Andersen, Lewis Carroll, L. Frank Baum, Kenneth Grahame; multi-ethnic American folklore; distinguished historical and contemporary author/illustrators; and modern novelists. Students will be introduced to a variety of critical approaches, including psychoanalytic, social/historical and feminist. The course may be of particular interest, but is not restricted, to students majoring in education or psychology.

## ENG-372 Children's Literature: The Adolescent Experience

3 credits

A study of enduring literature that is of special interest to children in the middle grades (sixth through ninth), including canonical authors such as Twain, Faulkner, Baldwin, and Paley as well as books by the most highly regarded recent and contemporary authors of books for adolescents such as Katherine Paterson, Natalie Babbitt, Lois Lowry, and Roald Dahl. Genres include historical novels, coming-of-age stories, science fiction and fantasy. Diverse cultural experiences are represented.

## ENG-381 Studies in Film Genre

3 credits

Provides an in-depth examination of a variety of film genres (such as the gangster film, the western, the musical, the screwball comedy, the science fiction film, and the horror film, among others), to be examined through the perspective of film genre theory. Through close analysis of selected films and readings, students will define the aesthetic and thematic patterns characterizing specific genres, and will trace the development of those genres within the dual contexts of the film industry and cultural ideology. Prerequisite: ENG-284.

## ENG-382 Comparative Film Directors

3 credits

Provides an in-depth comparative study of major American, international, independent and avant-garde filmmakers. Through close analysis of selected films and readings, students will define the aesthetic and thematic patterns characterizing the work of individual directors and will draw meaningful comparisons among directors sharing similar aesthetic and thematic approaches. Students will trace the artistic development of directors through their careers, assessing individual works in the context of film criticism and theory, and in the context of multi-layered intertextual influences. Prerequisite: ENG-284.

## ENG-383 Survey of National Cinemas

3 credits

Provides an in-depth study of the history and defining characteristics of national cinemas. Through close analysis of selected films and readings, students will examine the general movements within the history and development of various national cinemas, with attention to film historiography when considering how patterns are to be viewed in light of the culture, politics and history of a particular

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producing nation. Further, students will trace and evaluate the influence of selected film movements and issues upon both cinematic and critical practice. Prerequisite: ENG-284.

## **ENG-384 Film Adaptation**

3 credits

Provides an in-depth study of intertextual influence, as film enters into “dialogue” with various literary forms. Through close analysis of selected films and various forms of literature-including novels, graphic novels, short stories, plays, poetry, and journalism-students will study the aesthetic specificity of both film and literary genres and will analyze the transformative qualities at play when a work is adapted from page or stage to screen. Prerequisite: ENG-284.

## **ENG-400 Advanced Creative Writing**

3 credits

An advanced workshop in creative writing. Prerequisite: completion of composition requirements or permission of instructor.

## **ENG-405 Advanced Prose Style**

3 credits

Analyzes prose styles in English from the Renaissance to the present, focusing on the development of syntax, diction, and content. Students will be encouraged to imitate stylistic models and to develop their own prose style. Prerequisite: completion of composition requirements or permission of instructor.

## **ENG-407 Advanced Workplace Writing**

3 credits

A study of the major problems that confront the technical writing professional: gathering information in unfamiliar fields of specialization; integrating textual and visual material; and editing the work of other writers, especially experts in the field. Prerequisite: completion of composition requirements or permission of instructor.

## **ENG-411 History of the English Language**

3 credits

A seminar on the historical development of the English language, including phonetics, diversity, and present-day usage.

## **ENG-425 Seminar in Shakespeare**

3 credits

A seminar on Shakespearean drama and poetry.

## **ENG-435 Seminar in Milton**

3 credits

A seminar on Milton’s lyric poetry, *Samson Agonistes*, *Paradise Lost*, and prose.

## **ENG-441 Seminar in American Literature**

3 credits

A seminar focusing on literature by one writer or by a small group of writers.

## **ENG-443 Seminar in Literary Modernism**

3 credits

A seminar on literature from 1900 to 1940, by British, Irish, and American writers such as Hardy, Yeats, Woolf, Joyce, Eliot, Williams, Hurston, and Faulkner.

## **ENG-445 Seminar in Black and Multi-Ethnic Literature**

3 credits

A seminar focusing on literature by black, Native American, Hispanic, Asian American and first-generation immigrant writers.

## **ENG-447 Seminar in Post-Colonial Literature**

3 credits

An in-depth study of the recent literature in English of one or more writers whose cultural identification is with one of the former colonies of the British Empire, as it was defined at the beginning of the 20th century. Literature in the English language, written by authors of African, Caribbean, Pacific Island, East Asian, or South Asian cultures may be included.

## **ENG-455 Seminar in Chaucer**

3 credits

An examination of Geoffrey Chaucer’s writings from a number of critical perspectives, including close reading of the texts in Middle English, context and history, gender and sexuality, linguistics, and paleography and codicology.

## **ENG-484 Seminar in Cinema Studies**

3 credits

Provides an in-depth study of areas central to discussion and debate in the field of cinema studies (such as film violence, cinema censorship, feminism and film, post-colonial cinema, African American cinema, blaxploitation, The French New Wave, and Italian Neorealism, among others). Through close analysis of selected films and readings, students will examine the impact of specialized influential movements in

film history and in film theory and criticism. Further, students will trace and evaluate the influence of selected film movements and issues upon both cinematic and critical practice.

## **ENG-490 Independent Research and Study**

1-4 credits

An original literary or writing project.

## **ENG-491 Internship in Expository Writing**

1-6 credits

Students work under the supervision of professionals and the English department at real-world assignments in informative writing. Their performance is assessed by professional standards. Students are required to analyze and evaluate their experience by applying what they learn in other English courses. A minimum of 48 hours of field work per credit is required. Students must make weekly reports and a final critique of the project. Three credits required to count toward English writing concentration. Restricted to juniors and seniors.

## **ENG-497 Advanced Study**

3 credits

Qualified majors may apply for honors in their senior year. Upon approval from the department of English, a candidate for honors enrolls in Advanced Study, writes a thesis, and submits it for departmental approval. The student must achieve a course grade of B+ or better to be graduated with honors in English. Prerequisites: senior standing; 3.5 GPA in English; 3.25 cumulative GPA.

## **Finance (FIN)**

### **FIN-200 Personal Financial Planning**

3 credits

An introduction to the analysis of a wide range of financial decisions which individuals encounter over their careers and lifetime. Topics include financial goals, tax planning, home ownership versus renting, consumer credit, money management and investments, and managing risk with insurance. This course is open to all Rider students, and it counts as a free elective or a business elective. It cannot be used as a finance elective.



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## FIN-300 Introduction to Finance

3 credits

An introduction to the environment, concepts, and techniques of financial management. Topics include forms of business organization, taxes, analysis of financial performance, financial planning, financial markets and interest rates, time value of money, bond and stock valuation, risk and return, capital budgeting, cost of capital, and international financial management. Prerequisites: ACC-210 and junior standing.

## FIN-307 Financial Markets and Institutions

3 credits

An introduction to the organization and behavior of financial markets and institutions in the economy. The factors determining security prices and interest rates in the money and capital markets are analyzed. In addition, market returns, institutional portfolio choices, the regulatory environment and monetary policy are examined. Prerequisite: ECO-200 and junior standing.

## FIN-308 International Finance

3 credits

Financial management in the international environment. Topics include balance of payments accounting and adjustments, foreign exchange and country risk management, and the evaluation of foreign investment opportunities. Prerequisite: FIN-300.

## FIN-310 Capital Budgeting

3 credits

Using a case and problem-solving orientation, selected topics in financial management are examined in depth. The emphasis is on the evaluation of corporate investment projects. Topics include analysis of risk and return, cash flows of capital budgeting projects, capital budgeting techniques, leasing, and cost of capital. Prerequisite: FIN-300.

## FIN-311 Corporate Financing Decisions

3 credits

This course examines long-term corporate financing decisions and the interaction of investing and financing decisions. Topics include capital structure, dividend policy, the investment banking process, long-term financing instruments, mergers and corporate restructurings, and strategic financial planning. Cases and problem solving are emphasized. Prerequisite: FIN-300.

## FIN-312 Investments

3 credits

The fundamentals of investing in stocks, bonds, and other negotiable instruments are covered. Major topics include trading on securities markets, mutual funds, international investing, margin accounts, short sales, determinants of securities prices, and investment risks. Stock options, financial futures, convertible securities, and implications of taxes on investment decisions are also discussed. Prerequisite: FIN-300.

## FIN-315 Computerized Financial Casework

3 credits

This course provides instruction in computer use beyond that available in other finance courses. Topics include more sophisticated applications of computers in finance. Students work on cases and projects which require more advanced usage of spreadsheets and other personal computer software. Some work on the mainframe also might be included. Prerequisite: CIS-185 and FIN-300.

## FIN-330 Corporate Cash Management

3 credits

This course is designed for business students seeking an understanding of modern principles and techniques for corporate treasury management. The course material is useful for finance, accounting and banking professionals or small business owners. Topics include analysis of liquidity and solvency, credit and accounts receivable management, cash collection and disbursement systems, short-term investment and borrowing, management of treasury information and technology, multinational cash management, and other related topics. Prerequisite: FIN-300.

## FIN-340 Principles of Risk Management

3 credits

This course examines the risk management process as applied to the firm as a whole. It integrates the management of all risks facing the firm: strategic, financial, hazard and operational. Techniques for identifying risk, measuring and analyzing it and selecting an appropriate treatment will be explored including the role of insurance and capital markets. Prerequisite: FIN-300. spring

## FIN-350 Entrepreneurial Finance

3 credits

This course covers the techniques for acquiring financial resources as a firm advances through successive business stages: seed, start-up, struggling, growing, and stable. In addition, it examines recent trends in credit markets and the latest financial innovations as these impact the process of financing the venture's growth. Prerequisite: FIN-300.

## FIN-380 Real Estate

3 credits

An examination of real estate finance and related subjects in real estate. Topics include measuring cash flows and taxes, valuation methods for real estate investment decisions, location and value in real estate, home ownership, legal matters and financing methods and techniques. Prerequisite: FIN-300.

## FIN-412 Investment Analysis and Portfolio Management

3 credits

Real-world application of the concepts and techniques of investment analysis and portfolio theory introduced in FIN-312. Students interact with and make recommendations to professional portfolio managers. Topics include analysis and forecasts of business conditions, market interest rates, international opportunities and corporate profits. Emphasis is placed on the valuation of securities, stock selection, investment timing, technical analysis, and management of portfolio risk with options, futures, and other tools. Prerequisite: FIN-312 or permission of instructor.

## FIN-469 Special Topics in Finance

3 credits

This course is occasionally offered, with the topics and prerequisites set by the finance department.

## FIN-490 Independent Research and Study

1-4 credits

Topic to be approved in advance by supervising instructor, department chairperson, and academic dean. Available for juniors and seniors. No more than 12 credits allowed toward graduation. Normally this course is used as a business or free elective, but with prior approval it can be used as a finance elective.

## FIN-491 Finance Internship

1-3 credits

The internship offers qualified senior finance majors supervised employment with participating companies. The internship may be taken during the fall or spring semester or during the summer session. Students are

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evaluated periodically by senior staff members of the participating firms and are required to complete a term paper that will be reviewed by the department's internship director. Internship credits can be applied toward business or free elective requirements but not toward finance elective requirements for majors. Grading is on a pass/fail basis. Prerequisite: permission of instructor.

## Fine Arts: Art History (ART)

### ART-104 Survey of Art History I

3 credits

The history of Western art—architecture, sculpture, painting—from prehistoric times through the Middle Ages, emphasizing the relation between the arts and ideas of each period. fall

### ART-106 Survey of Art History II

3 credits

The history of Western art—architecture, sculpture, painting—from the Renaissance to the present, emphasizing the relation between the arts and ideas of each period. spring

### ART-120 Art and Society: The Visual Experience in Human History

3 credits

Masterpieces of architecture, painting, and sculpture are related to their historical periods, providing an appreciation for and understanding of the vital interaction of art and society.

### ART-199 The Arts in Contemporary Civilization

3 credits

An integral study of the arts and their place in contemporary American life. Includes attendance at several events in art, music, and drama. spring

### ART-201 Art of the Ancient World

3 credits

The arts of ancient man from prehistoric times to the fall of the Roman Empire.

### ART-207 Medieval and Renaissance Art

3 credits

A study of the major monuments of architecture, painting, and sculpture created in western Europe between 300 and 1600. Particular emphasis on the history of Christian art, from its beginnings in the Roman catacombs, to the great monasteries

and cathedrals of the High Middle Ages, to the revival of ancient Roman grandeur and forms in the Renaissance.

### ART-209 Art of the Baroque

3 credits

The art of the 17th century in southern and northern Europe.

### ART-214 American Art

3 credits

The development of the arts from colonial America to World War I. Discusses major economic, social, and political factors that influenced the course of American art history.

### ART-303 19th-Century Art

3 credits

An in-depth study of the major art movements in 19th-century Europe, from Neoclassicism to Postimpressionism.

### ART-306 Art of the 20th Century

3 credits

The major artists and movements in the history of 20th-century painting and sculpture from Postimpressionism. Slide lectures, class discussion, field trips.

### ART-490 Independent Research and Study

1-4 credits

### ART-491 Internship in Art

1-4 credits

Provides junior or senior fine arts majors with concentrations in art the practical experience of working with a museum or professional art gallery. Students must be sponsored by an art professor. For each academic credit, interns must work 48 hours for the semester or approximately 3.7 hours each week. Prerequisite: permission of instructor.

### ART-495 Selected Topics in Art History

3 credits

An intensive study of a particular art history topic, e.g., a single artist, artistic center, or artistic medium. Slide lectures, class discussion, field trips, class reports. Topics to be announced.

### ART-499 Senior Honors Program

3 credits

A senior honors program may be submitted in partial fulfillment of requirements for graduation with honors in fine arts. Honors work is limited to those departmental majors with a GPA of 3.5 in fine arts courses

and cognates. The program, planned under the direction of a faculty advisor, represents a culmination of demonstrated excellence in a specific area of fine arts. Candidates for honors in fine arts must be approved by the department chairperson and the faculty.

## Fine Arts: Studio Art (ART)

### ART-103 Fundamentals of Drawing

3 credits

An intensive study of drawing techniques in charcoal, pencil, and pen and ink.

### ART-105 Design

3 credits

Basic concepts of composition, form, texture, value, and color in two-dimensional design are explored.

### ART-204 Fundamentals of Painting

3 credits

Introduces students to the materials and techniques of oil or acrylic painting. Emphasis on experimentation and the development of individual expression in a variety of subject matters.

### ART-227 Gallery Management

3 credits

Designed to provide students with the experience of working in all aspects of art gallery management. It is intended for students regardless of their major who wish to add the dimension of art to their college experience through direct hands-on curatorship of the Rider Art Gallery. spring

### ART-230 Three-Dimensional Design

3 credits

Beginning problems in traditional sculptural materials (clay, wood, stone) and design-construction in mixed media. spring

### ART-304 Drawing II

3 credits

Studies the art of drawing beyond the introductory level with an emphasis on greater self-expression, advanced technical skills, and a variety of drawing media. Prerequisite: ART-103.

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## ART-305 Intermediate Painting A-B-C

3 credits

Studio courses designed to expand the student's creative experience in painting with emphasis of greater self-expression. Students will be presented with specific painting projects that originate from conceptual or perceptual responses to reality (still life, landscape, figure) and to imagination (dreams, fantasy, invention). Class trips to galleries and museums are included. May be taken three times. Prerequisite: ART-204.

## ART-335 Printmaking

3 credits

A studio introduction to various traditional and contemporary relief printmaking techniques.

## ART-490 Independent Research and Study

1-4 credits

## ART-492 Advanced Studio Workshop

3 credits

Intensive course in various media for students working at an advanced level in studio disciplines. A high level of achievement is expected. May be taken more than once for credit. Prerequisites: two upper-level studio courses.

## Fine Arts: Dance History (DAN)

### DAN-105 Survey of Dance History

3 credits

An introductory course to familiarize students with the breadth and depth of dance in human society. It will chronologically examine dance through four lenses: Dance and Community, Dance and Religion, Dance and Politics, and Dance as Art. Students will be exposed to various dance forms from around the world with varying purposes, functions, and motivations from the beginning of recorded history to present.

### DAN-350 History of Ballet, Modern and Jazz Dance

3 credits

Studies the major periods in the development of Western Theatrical Dance from the Renaissance to the present focusing on ballet, modern, jazz, tap and musical theatre dance. The course will examine the ideas and individuals that caused the development of theatrical dancing with particular attention paid to significant dancers, choreographers, producers, designers and productions.

## DAN-490 Independent Research and Study

1-4 credits

## DAN-491 Internship in Dance

1-4 credits

Provides junior or senior fine arts majors with concentrations in dance the practical experience of working within an educational or professional dance environment. Students must be sponsored by a dance professor. For each academic credit, interns must work 48 hours for the semester, or approximately 3.7 hours each week. Prerequisite: permission of instructor.

## DAN-495 Selected Topics in Dance History

3 credits

Intensive study of a particular topic in dance history or theory. This may include one era, movement or nation's dance history and practice. Students will become deeply involved in an area through research, class discussions and group projects.

## Fine Arts: Applied Dance (DAN)

All dance studio courses are taught at the Princeton Ballet Society, Princeton, New Jersey. Students are responsible for their own transportation.

## DAN-100 Dance Fundamentals

1 credit

Dance 100 is designed to offer students concurrent participation and theoretical inquiry in specific dance forms. Students must register for two classes per week at the Princeton Ballet School. One additional hour per week is comprised of video observation, lecture, or readings, and is taught at Rider's Lawrenceville campus. Prerequisite: permission of dance advisor.

## DAN-210 Rider Dances: Repertory and Production

3 credits

This course provides an in-depth experience with the art of dance production from creation to performance. Students will be chosen to learn and perform repertory; fulfill technical roles such as sound, lighting and costume design; and assume production and managerial responsibilities such as promotion, publicity, front of house management and stage management. Prerequisite: permission of instructor.

## DAN-300 Dance Studio and Lecture

2 credits

Dance 300 series is also designed to offer students concurrent participation and theoretical inquiry in specific dance forms. Students must register for four classes per week at the Princeton Ballet School. One additional hour is comprised of video observation, lecture, or readings and is held at Rider's Lawrenceville campus. Prerequisite: permission of instructor.

Students choose studio classes Dance 100 and Dance 300 from the following:

### Ballet I-VI

The syllabus of the Princeton Ballet School is designed to allow dancers to find how their particular bodies can approach the technique. The classes go slowly through six levels emphasizing the hows and whys of technique so that safe work habits, personal responsibility and concentration become second nature through the learning of the extensive ballet vocabulary. Lower levels begin the formal study of ballet and progress through pointe work, epaulement, and presentation. Placement is by evaluation only.

### Jazz I-III

Jazz classes range from current cultural trends to advanced theatrical dance for the stage. Jazz I is a basic class for the new student and includes a warm-up, stretching, turns, and a combination. Jazz II and III assume progressively more training in ballet, modern dance, or jazz dance styles.

### Modern Dance I-III

The study of modern dance begins with an introduction to the basic concepts of center, space, time, and energy in relation to dance. Correct alignment, proper breathing, energy paths and musicality are explored in creative ways. Movement is generated to meet the demands of what is being expressed. Some improvisational work is common.

### Spanish Dance I-III

These classes progress through three levels as they explore the techniques that make up Spanish dance. Emphasis is on classical and flamenco, with additional work in regional dance, and includes the study of castanets.

### Pilates Mat Class

Pilates Mat Class is an intensive exercise class based on the Pilates method. The class is designed to increase awareness of, and develop, critical muscle groups needed for good dance technique such as abdominals and rotators; and increase overall muscular strength and endurance, and flexibility.



# COURSE DESCRIPTIONS

## Accelerated Adult Ballet (Open Enrollment) I-IV

### Ballet I

For the adult beginner, or for those returning to the study of ballet. The basic barre work and placement are introduced. Study of many petit allegro steps and turns are begun. The lecture component concentrates on vocabulary and terminology.

### Ballet II

This class assumes knowledge of the basics of the ballet barre and some center work, including pirouettes. Students should have one or more years of ballet training. Lectures include some history.

### Ballet III

For students with a strong background this class will assume knowledge of en dehors and en dedans pirouettes and most petit allegro steps. Students will begin to study particular dancers, choreographers, and ballets.

### Ballet IV

A challenging class for adults which assumes extensive knowledge of ballet vocabulary and good ability to learn combinations. Student will design individual research projects.

## Movement Fundamentals

This class approaches the techniques of ballet, modern dance, and jazz dance through guided, experiential, anatomically sound movement principles. Designed specifically for and required by all Rider dance minors and majors upon entering the dance program. fall

## Choreography

This class will explore dynamics, rhythm, gesture and motivation as they relate to each other and the other elements in the art of dance composition. Students will create studies both in and out of class. Designed for Rider University dance majors, this course will also accept community members.

## Tap

Tap is a form of dance dedicated primarily to making rhythm audible through the feet and body. Classes in tap dance include a warm-up, skill development, and choreography. Styles range from those of the 1950s through musical theater and current trends.

## World Dance Forms

This is an inter-generational dance class, which explores dances from cultures in the United States and around the world. Guest

artists, with expertise in a particular dance form are often brought in to teach master classes. Each dance is contextualized by an understanding of the form: where, how, when, and by whom it is performed and its function in society.

## DAN-499 Senior Honors Program

3 credits

A senior honors program may be submitted in partial fulfillment of requirements for graduation with honors in fine arts. Honors work is limited to those departmental majors with a GPA of 3.5 in fine arts courses and cognates. The program, to be planned under the direction of a faculty advisor, will represent a culmination of demonstrated excellence in a specific area of fine arts. Candidates for honors in fine arts must be approved by the department chairperson and the faculty.

## Fine Arts: Music History (MUS)

### MUS-105 Survey of Music History I

3 credits

A chronological survey of Western music from the Medieval through the Baroque periods stressing the origin and evolution of musical forms, musical styles, and the important composers before 1750. The relation between the music and the aesthetic movements of each period is studied. fall

### MUS-106 Survey of Music History II

3 credits

A chronological survey of Western music from the classical through the contemporary periods stressing the origin and evolution of musical forms, musical styles, and the important composers since 1750. The relation between the music and the aesthetic movements of each period is studied. spring

### MUS-120 Music and Society

3 credits

Introduction to the basic elements of music (rhythm, melody, harmony, etc.) and the appreciation of representative types of music from all historical periods.

### MUS-130 Music in Children's Lives

3 credits

Students in this course will study how music interacts in the lives of children as they sing, listen, play instruments and move. Song repertoire and selections for listening and moving from the American,

European and non-Western cultures will be introduced. Playing recorder as well as pitched and non-pitched percussion instruments will be demonstrated.

## MUS-199 The Arts in Contemporary Civilization

3 credits

An integrated study of the arts and their place in contemporary American life. Includes attendance at several events in art, music, and drama.

## MUS-207 Masterworks in Music

3 credits

Major works by great composers from different historical periods—Mozart, Beethoven, Brahms, and Wagner, among others—are studied. Up to 10 compositions by six composers are covered, with an emphasis on listening to recorded and live performances of representative works.

## MUS-208 Music of the Theatre

3 credits

A study of music drama both historical and contemporary covering European opera of the Baroque, classical and romantic periods, and the American musical theatre, especially the contemporary Broadway musical.

## MUS-209 Great Composers

3 credits

A study of selected major composers—life, works, and historical significance—with an emphasis on the listening experience. Bach, Mozart, Beethoven, Tchaikovsky, Stravinsky, or others.

## MUS-300 Beethoven and the Romantic Age

3 credits

A study of the Romantic period with particular emphasis on Beethoven. The classical heritage, the transformation of that heritage into romantic terms, the prominent influence of Beethoven on 19th-century musical style.

## MUS-303 Music Literature: Baroque Era

3 credits

A survey of European musical styles from c. 1600 to 1750, approached by listening to the music of the period, including Bach, Handel, and many lesser-known masters. Topics include the development of modern musical sound, instrumental forms, Lutheran and Catholic church music, and the beginnings of dramatic music.



# COURSE DESCRIPTIONS

## MUS-306 Contemporary Musical Experience

3 credits

A survey of European and American musical styles of the late 19th and 20th centuries. Topics include postromantic music, neoclassicism, serialism, electronic music, and the current avant garde.

## MUS-308 World Music

3 credits

The student is introduced to selected world cultures by listening to and analyzing specific music that is indigenous to each culture. The position and importance of the music within each society will be the main focus of the investigation. Comparing this music to the music of our American culture will provide a basis for judging and interacting with unfamiliar world cultures.

## MUS-309 Film Music

3 credits

A study of music in feature film, documentary film, and television. A chronological survey of film music from silent to contemporary film, animated shorts, and television, with emphasis on listening to recorded performance of representative works.

## MUS-312 The Arts Abroad

3 credits

A two-week trip abroad that includes a critical study of music and theatre. Students are required to attend all performances, guided tours, and classes before and after the trip. A travel journal and final paper are required. A travel fee is required. Travel sites and artistic disciplines may vary from year to year. May be taken more than once for credit. Prerequisite: permission of instructor. offered January only

## MUS-490 Independent Research and Study

1-4 credits

## MUS-491 Internship in Music

1-4 credits

Provides junior or senior fine arts majors with concentrations in music the practical experience of working within a professional music environment. Students must be sponsored by a music professor. For each academic credit, interns must work 48 hours for the semester, or approximately 3.7 hours each week. Prerequisite: permission of instructor.

## MUS-495 Selected Topics in Music

3 credits

Studies specialized aspects of the literature, history, or theory of music, to supplement the established curriculum. Emphasis on creative investigative work and individual experiences in music.

## MUS-499 Senior Honors Program

3 credits

A senior honors program may be submitted in partial fulfillment of requirements for graduation with honors in fine arts. Honors work is limited to those departmental majors with a GPA of 3.5 in fine arts courses and cognates. The program, planned under the direction of a faculty advisor, represents a culmination of demonstrated excellence in a specific area of fine arts. Candidates for honors in fine arts must be approved by the department chairperson and the faculty.

## Fine Arts: Applied Music (MUS)

### MUS-110 Elementary Music Theory

3 credits

A practical introduction to the basic elements of music, beginning with the reading of music notation. Practice in scales and chords; ear-training in rhythm and pitch. Techniques may be applied to the student's own instrument (e.g., guitar, piano, winds) if she or he plays one. fall

### MUS-111 Intermediate Music Theory

3 credits

Continuation of Music 110, leading to some original composition. Prerequisite: MUS-110.

### MUS-127 Instrumental Ensemble—Band

1 credit

Ensemble rehearsal and performance of traditional and current concert band music. Maximum of eight credits are accepted in band, choir, and/or theatre production.

### MUS-128 Choir

1 credit

A performing group that presents a concert each semester. Opportunity given for solos and small ensembles. Even though no audition is required, those who have had some previous choral or singing experience are encouraged to join. Maximum of eight credits are accepted in choir, band, and/or theatre production.

## MUS-131 Beginning Piano I

3 credits

Class approach to learning to play the piano. How to read music, basic piano technique, and appropriate piano pieces and songs are studied. fall and spring

## MUS-132 Beginning Piano II

3 credits

Continuation of Music 131. Emphasis on further development of technique and the ability to interpret piano music from a variety of styles. Prerequisite: MUS-131 or equivalent. spring

## MUS-233 Intermediate Piano

3 credits

Continuation of Music 132 with further development of reading skills, piano techniques and interpretation. Each student studies a set of pieces selected together with the instructor tailored specifically to the students' needs and interests.

## MUS-493 Selected Topics in Musical Performance

3 credits

Intensive study of a particular topic in applied music for the intermediate to advanced student. Students are led to understand the historic and aesthetic elements in music through critical listening, performance, research, and class projects.

## Fine Arts: Theatre History (THE)

### THE-105 Theatre History to 1700

3 credits

The history of theatre from the primitive time through the Baroque era. Examines major plays and playwrights, emphasizing the Greek, Roman, Medieval, and Elizabethan eras. fall

### THE-106 Theatre History Since 1700

3 credits

The history of theatre from the Restoration to the present. Examines major plays and playwrights, emphasizing the Restoration, Romantic, and Realistic movements. spring

### THE-120 Theatre Appreciation

3 credits

By exploration of dramatic literature, conclusions are drawn as to man's relationship to his particular period, style, political, social, and psychological environment. Appreciation of the theatrical event is included.

# COURSE DESCRIPTIONS

## **THE-199 The Arts in Contemporary Civilization**

3 credits

An integrated study of the arts and their place in contemporary American life. Includes attendance at several events in art, music, and drama. spring

## **THE-306 American Theatre History**

3 credits

The history of the American theatre from the colonial period to the present, emphasizing dramatic scripts and theatrical conventions. Examines important playwrights, theorists, and practitioners representative of each period of American history, emphasizing the 19th and 20th centuries.

## **THE-307 Contemporary American Theatre**

3 credits

Today's most influential theatre artists are discussed. Focusing on playwrights, the form and content of dramatic literature considered most significant today are examined along with recent innovations in design and staging practices.

## **THE-308 Modern Drama**

3 credits

Surveys American and European drama from 1920 to 1970. All plays are read in English translation. In these plays, theatrical artists address the great themes of this century. While doing so, they also expand the limits of theatrical expression.

## **THE-312 The Arts Abroad**

3 credits

A two-week trip abroad that includes a critical study of the music and theatre. Students are required to attend all performances, guided tours, and classes before and after the trip. A travel journal and final paper is required. A travel fee is required. Travel sites and artistic disciplines may vary year to year. May be taken more than once for credit. Prerequisite: permission of instructor. offered January only

## **THE-490 Independent Research and Study**

1-4 credits

## **THE-495 Selected Topics in Theatre History**

3 credits

Intensive study of a particular topic, such as the work of one dramatic movement, one period in dramatic history, or one nation's history. Students become deeply involved in an area through research, class discussions, and individual consultation with the instructor.

## **THE-499 Senior Honors Program**

3 credits

A senior honors program may be submitted in partial fulfillment of requirements for graduation with honors in fine arts. Honors work is limited to those departmental majors with a GPA of 3.5 in fine arts courses and cognates. The program, to be planned under the direction of a faculty advisor, will represent a culmination of demonstrated excellence in a specific area of fine arts. Candidates for honors in fine arts must be approved by the department chairperson and the faculty.

## **Fine Arts: Applied Theatre (THE)**

### **THE-107 Acting I**

3 credits

Exercises and improvisations developing the fundamental prerequisites for the actor are provided. The emphasis is on vocal and physical mobility and the ability to communicate emotional states from the stage.

### **THE-115 Stagecraft**

3 credits

The theory and practice of construction and rigging of stage scenery is offered. Emphasis is on actual productions and road show set-ups. One lecture and two labs per week.

### **THE-127 Theatre Production**

1 credit

Students rehearse and perform roles in a play produced by the department and directed by a member of its faculty. Students may also prepare a major element of design or technology for the production. Maximum of eight credits are accepted in theatre production, band and/or choir.

## **THE-200 Acting for the Camera**

3 credits

Focuses on the craft and artistry of acting in television and film. Examination of TV production and the styles needed for work in various media will be discussed. Physicalization, simplicity, listening, marking and other technical requirements will be explored. Staging involving different camera angles will be rehearsed. The emphasis of this class is on adapting the performance to the special needs of the camera. Prerequisite: THE-107.

## **THE-207 Acting II**

3 credits

Basic acting techniques. Emphasis on the ingredients of any action: what am I doing, where, why, who am I, what is my attitude toward partner? Prerequisite: THE-107. spring

## **THE-210 Musical Theatre Production**

3 credits

Provides an in-depth study of the collaborative process of mounting a musical theatre production, from audition through performance. Students are chosen to rehearse and perform roles, fulfill technical responsibilities such as lighting, sound, or set construction, or fulfill managerial responsibilities such as assistant director or stage manager. Cannot be taken concurrently with THE-127 Theatre Production. Prerequisite: permission of instructor.

## **THE-217 Principles of Stage Design**

3 credits

The study and application of design principles as related to the stage. Incorporates the design process, decor research, styles, materials, and construction technology. fall

## **THE-218 Stage Lighting**

3 credits

The theory and practice of stage lighting as utilized in concept, dance, and theatre. Considers the nature of light, controlling light, color theory, electricity, electrical safety, and lighting design. Prerequisite: THE-115. spring

## **THE-400 Directing**

3 credits

The technique of play directing and production management. Lectures present aesthetic and theoretical concepts that are explored in workshops. Each student is required to direct and analyze a one-act play. Prerequisites: THE-107, THE-115, THE-207. alternate years

# COURSE DESCRIPTIONS

## THE-410 Advanced Performance Workshop A-B-C

3 credits

An opportunity to work an entire semester on a specific style or period of theatre, e.g. Shakespeare, farce, Readers' Theatre. Prerequisites: THE-107, THE-207.

## THE-491 Internship in Theatre

1-4 credits

Provides junior or senior fine arts majors with concentrations in theatre the practical experience of working within a professional theatre environment. Students must be sponsored by a theatre professor. For each academic credit, interns must work 48 hours for the semester, or approximately 3.7 hours each week. Prerequisite: permission of instructor.

## Foreign Languages and Literatures

The School of Liberal Arts and Sciences offers a number of foreign literature and culture courses in English. See the listings under Foreign Languages and Literatures: Foreign Literature in translation for LIT-250, 251, 310, 311, 312, 313, 315, 317, 322, 325, 330, 340, 370, and 390. See also French 311, German 310, Spanish 310 and 311.

All students who have had previous foreign language experience (in class or at home) are required to take a placement test to determine the appropriate level at which they should continue their study. Students who have had some previous foreign language experience will not be admitted to language classes unless they have taken the placement test. The placement test is administered online. For information contact the Department of Foreign Languages and Literatures.

## Foreign Languages and Literatures: Chinese (CHI)

### CHI-100 Chinese I

3 credits

This course is designed to foster mastery of the basic skills of Mandarin Chinese: speaking, listening, reading and writing. The focus of the course is on communicative competency and accuracy. Together with Chinese 101, the course provides a thorough foundation in basic Chinese grammar. Students are required to work extensively with audio and/or video tapes, and/or computer language programs. Interview to determine placement if Chinese has been studied elsewhere.

### CHI-101 Chinese II

3 credits

A continuation of Chinese 100. This course continues to foster mastery of the basic skills of Mandarin Chinese: speaking, listening, reading and writing. The focus of the course is on communicative competency and accuracy. Together with Chinese 100, the course provides a thorough foundation in basic Chinese grammar. Students are required to work extensively with audio and/or video tapes, and/or computer language programs. Prerequisite: Chinese 100 or permission of instructor.

## Foreign Languages and Literatures: French (FRE)

### FRE-100 French I

3 credits

Conversational French is taught through basic vocabulary and grammar building. Students will enjoy an immersion-style method emphasizing real-life situations and vocabulary in authentic cultural context, through an interactive textbook, videos, online resources, and oral/aural skill building using the technology in the Foreign Language Media Center to enhance learning. Prerequisite: placement test if French has been studied elsewhere.

### FRE-101 French II

3 credits

Building on learning in French I, students will begin to converse using more complicated grammatical structures within immersion-style classroom interactions. While the focus is still on conversation and aural skill building, composition skills receive greater emphasis. Students will enjoy an interactive CD-Rom based textbook, Internet usage, and authentic videos shot on location in France. Prerequisite: FRE-101 or placement test.

### FRE-200 French III

3 credits

This course builds on linguistic skills previously acquired through an emphasis on conversation and oral comprehension, and through vocabulary building. Grammar study is continued at a more advanced level, and students begin to read short passages focusing mainly on francophone culture and civilization. Film clips, Internet resources, and other computer-aided learning tools are used to create a dynamic immersion-style learning experience. Prerequisite: FRE-101 or placement test.

### FRE-201 French IV

3 credits

While continuing the emphasis on aural/oral production and grammar and vocabulary building, short passages of greater complexity taken from literary texts, newspapers, and magazines will become the focus of conversation/composition activities. Technological resources will continue to enhance the immersion-style learning experience consistent with a course in advanced French. Successful completion of this course, or its equivalent, serves as a prerequisite for French courses at the 300 and 400 level. Prerequisite: FRE-200 or placement test.

## FRE-300 French Composition and Translation

3 credits

An in-depth study of style, shades of meaning, and correctness of expression. Translation of business/professional/scientific/political texts will receive emphasis, and students will continue to perfect their writing skills, and review and improve advanced grammatical structures. Prerequisite: FRE-201 or permission of instructor.

## FRE-301 French for Business and the Professions

3 credits

The fundamentals needed to survive in the French professional and business world are taught. Students will continue to perfect oral/written/aural skills while learning about the cultural climate within which these skills will be used. Students will learn how to prepare effective business/professional correspondence and, through role-playing activities, will use their knowledge in such real-life situations as interviewing, telephone conversations, and business meetings. Prerequisite: FRE-201 or permission of instructor.

## FRE-305 An Introduction to French Literature

3 credits

A chronological overview of the evolution of French literature from the chansons de geste into the 20th century. Study and interpretation of selected works, authors or literary movements through the Renaissance, the classical period, Enlightenment, romanticism, realism, naturalism to representative works by authors of our century from Proust to existentialism, the nouveau Roman, theatre absurde and beyond. Required for majors. Prerequisite: FRE-201 or permission of instructor.

# COURSE DESCRIPTIONS

## **FRE-311 French Culture**

3 credits

A study of modern France and French value orientations as they are rooted in tradition and history and continue to shape everyday life as well as institutions, social organizations, artistic expression, education, attitudes and human interaction. A comparative approach will examine the underlying differences between France and the United States. Classes are in English.

## **FRE-422 Cultural Expression in French Film and Television**

3 credits

A systematic analysis of selected French films and television broadcasts will reveal cultural value orientations as they relate to love, family, community, leisure, work, social and political organization. A comparative approach will stress the underlying cultural differences between France and the United States. Prerequisite: FRE-305 or permission of instructor.

## **FRE-425 The Portrait of the Hero in French Fiction**

3 credits

This course deals with modern French fiction and its depiction of the role of the hero as a figure who gradually loses control over his fate (Stendhal, Balzac) and is changed into someone who struggles against ever increasing odds, only to be finally vanquished (Flaubert). The main character may find fulfillment in recollections of the past (Proust), explore the moral parameters of existence (Gide, Camus) or become the incapacitated anti-hero of Beckett's novels. Prerequisite: FRE-305 or permission of instructor.

## **FRE-430 Mask and Reality in French Theater**

3 credits

A study of theater through the optic of a unifying theme: the mask and reality. The goal is to gain a greater appreciation of the art of dramatic illusion whereby actors, while wearing the masks of the characters they play, allow us to examine ourselves and reality in true, unmasked form. Playwrights to be studied will range from the classical theater of Racine and Corneille, through the modern avant-garde, existentialist and Theater of the Absurd works of such playwrights as Ionesco and Beckett. Prerequisite: FRE-305 or permission of instructor.

## **FRE-435 The Self in French Prose and Poetry**

3 credits

Are we determining or pre-determined creatures? What is our essential nature? Is the quest for salvation justified? A study of the historical, political and social realities in which the texts were composed will shed light on the concept of the self. Representative authors from the Renaissance to modern times will include: Montaigne, Descartes, Pascal, Montesquieu, Rousseau, Hugo, Baudelaire, Apollinaire, Sartre, Camus, Duras, Sarraute, Colette, de Beauvoir. Prerequisite: FRE-305 or permission of instructor.

## **FRE-490 Independent Research and Study**

1-4 credits

## **FRE-491 Internship in Foreign Languages**

1-4 credits

A supervised work experience in an approved organization to gain knowledge of the importance and interrelationship of foreign languages and cultures in the workplace. Placements can be made in international governmental agencies, international trade associations, multinational corporations, social service agencies and other appropriate workplace environments both in the United States and abroad. With permission of the supervisor and faculty advisor, a three-credit internship may be substituted for a collateral requirement as credit toward the major. Prerequisite: students should have completed at least one 300-level course in the foreign language.

## **FRE-496 Special Studies**

3 credits

Offered as needed to complement the program in French. A seminar open to a variety of topics treating a particular author, period, genre or critical approach. Prerequisites: FRE-305 and permission of instructor.

## **Foreign Languages and Literatures: German (GER)**

### **GER-100 German I**

3 credits

An introduction to German stressing the spoken language and the fundamentals of grammar. Students are required to work extensively with audio CDs. Prerequisite: placement test if German has been studied elsewhere.

### **GER-101 German II**

3 credits

A continuation of German 100. Communication skills are broadened, fundamental grammar is studied, and a useful basic vocabulary is acquired. Students are required to work extensively with audio CDs. Prerequisite: GER-100 or placement test.

### **GER-200 German III**

3 credits

Intensive review of German grammar and syntax with a systematic approach to oral expression and composition. Readings on contemporary German life and selections from modern literature. Prerequisite: GER-101 or placement test.

### **GER-201 German IV**

3 credits

Continuation of grammar review and readings. Special emphasis on oral expression and composition of increasing sophistication, proceeding from concrete observations to theoretical and abstract discussion. Prerequisite: GER-200 or placement test.

### **GER-300 Composition and Conversation**

3 credits

Practice in German communication skills through developing oral and written expression, comprehension and vocabulary. Prerequisite: GER-201 or permission of instructor.

### **GER-301 German for Business**

3 credits

Basic fundamentals for applying the German language to business operations and correspondence. Emphasizes German business terminology as contained in business-related journal articles, letters, and documents. Prerequisite: GER-201 or permission of instructor.

### **GER-302 Business Translation and Communication**

3 credits

Practice in writing, translating and discussing business-related documents. Reading, translation and discussion of journal and newspaper articles on German business culture and basic business and cultural concepts. Prerequisite: GER-201 or permission of instructor.



# COURSE DESCRIPTIONS

## GER-305 Introduction to German Literature

3 credits

An introduction to works selected from the most important periods of German literature from the Hildebrandslied to the pre-classical period. Primary focus on close reading of complete works by Lessing and Goethe. Required for majors. Prerequisite: GER-201 or permission of instructor.

## GER-307 German Literature and Film

3 credits

Focus on major works of 19th and 20th-century German literature and their film adaptations. Readings include works by Büchner, Kafka, Mann, Brecht, Böll and Dürrenmatt. Films by Herzog, Welles, Visconti, Schlöndorff, and others. Prerequisite: GER-201 or permission of instructor.

## GER-310 German Culture

3 credits

Introduction to the contemporary cultures of Germany, Austria and Switzerland. Selected readings from contemporary German fiction, newspapers and monthly magazines (all in English), films, and music. No knowledge of German required.

## GER-425 Self and Society in German Short Fiction

3 credits

Reading and discussion of short prose works of Hauptmann, Schnitzler, Kafka, Grass, Frisch and others. Prerequisite: GER-201 or permission of instructor.

## GER-430 Modern German Drama

3 credits

Selected plays by major German, Austrian and Swiss playwrights of the 20th century are studied within a cultural and historical context. Prerequisite: GER-201 or permission of instructor.

## GER-490 Independent Research and Study

1-4 credits

## GER-491 Internship in Foreign Languages

1-4 credits

A supervised work experience in an approved organization to gain knowledge of the importance and interrelationship of foreign languages and cultures in the workplace. Placements can be made in international governmental agencies, international trade associations, multinational corporations, social service agencies and other appropriate workplace environments both in the United

States and abroad. With permission of the supervisor and faculty advisor, a three-credit internship may be substituted for a collateral requirement as credit toward the major. Prerequisite: students should have completed at least one 300-level course in the foreign language.

## GER-496 Special Studies

3 credits

A seminar emphasizing a particular literary genre or the work of one author. Possible topics might be: Goethe's Faust, lyric poetry, the novella, romanticism, women writers, or other authors, periods, or genres in German literature. Prerequisite: permission of instructor.

## Foreign Languages and Literatures: Italian (ITA)

### ITA-100 Italian I

3 credits

An introduction to spoken and written Italian. The main emphasis is on basic grammar principles, vocabulary and conversation. Practice in language laboratory supplements class work. Prerequisite: placement test if Italian has been studied elsewhere.

### ITA-101 Italian II

3 credits

A continuation of Italian 100. The remainder of the basic grammar is covered. Increasing emphasis on reading and writing. Much attention will be given to oral Italian. Prerequisite: ITA-100 or placement test.

### ITA-200 Italian III

3 credits

An intensive grammar review with a systematic approach to oral expression and composition. Supplemental readings on Italian culture and selections from modern literature. Prerequisite: ITA-101 or placement test.

### ITA-201 Italian IV

3 credits

Continuation of Italian 200 with a growing emphasis on reading and discussion of selected Italian texts. Special attention to oral expression and composition of increasing sophistication. Prerequisite: ITA-200 or placement test.

## Foreign Languages and Literatures: Russian (RUS)

Russian Literature courses at the 300 and 400 level are listed with a LIT designation under Foreign Languages and Literatures: Foreign Literature in Translation.

### RUS-100 Russian I

3 credits

An introduction to the Russian language. This course emphasizes learning the Cyrillic alphabet, basic Russian grammar, and developing some skill in conversational Russian. Students are required to work extensively with audio tapes. Prerequisite: placement test if Russian has been studied elsewhere.

### RUS-101 Russian II

3 credits

Continuation of Russian 100. In this course students learn to write the Cyrillic alphabet, not just print it. Readings to provide a useful basic vocabulary. Students are required to work extensively with audio tapes. Prerequisite: RUS-100 or placement test.

### RUS-200 Russian III

3 credits

Intensive review of grammar with a continuation of developing skills in conversational Russian. Reading matter of greater difficulty is introduced for the development of a more extensive vocabulary. Students are required to work extensively with audio tapes. Prerequisite: RUS-101 or placement test.

### RUS-201 Russian IV

3 credits

Grammar review continued. Emphasis on the comprehension of difficult literary texts. Prerequisite: RUS-200 or placement test.

## RUS-490 Independent Research and Study

1-4 credits

## RUS-491 Internship in Foreign Languages

1-4 credits

A supervised work experience in an approved organization to gain knowledge of the importance and interrelationship of foreign languages and cultures in the workplace. Placements can be made in international governmental agencies, international trade associations, multinational corporations, social service agencies and other appropriate workplace environments both in the United States and abroad. With permission of the supervisor and faculty advisor, a three-credit

# COURSE DESCRIPTIONS

internship may be substituted for a collateral requirement as credit toward the major. Prerequisite: students should have completed at least one 300-level course in the foreign language.

## **RUS-496 Special Studies**

**3 credits**

An in-depth study for students interested in special areas, with emphasis on specific literary genre. Prerequisite: permission of instructor.

## **Foreign Languages and Literatures: Spanish (SPA)**

### **SPA-100 Spanish I**

**3 credits**

Introduction to the fundamentals of Spanish grammar, with emphasis on communicative skills, in culturally authentic contexts. Students are required to work extensively with audio and/or video tapes, and/or computer language programs. Prerequisite: placement test if Spanish has been studied elsewhere.

### **SPA-101 Spanish II**

**3 credits**

Continuation of Spanish 100. Emphasizes the use of language for communicative and cultural competency while developing a solid grammar foundation in Spanish. Students are required to work extensively with audio and/or video tapes, and/or computer language programs. Prerequisite: SPA-100 or placement test.

### **SPA-200 Spanish III**

**3 credits**

An intensive review of Spanish grammar with emphasis on aural-oral (listening and speaking skills) and composition writing. Literary and cultural readings will be used to develop these skills. A special section may be offered to address the needs of native speakers. Students may be required to work with audio and/or video tapes, and/or computer language programs. Prerequisite: SPA-101 or placement test.

### **SPA-201 Spanish IV**

**3 credits**

A continuation of Spanish grammar review with emphasis on aural-oral skills and writing of increasing sophistication. Progressively more challenging literary and cultural readings will be used to develop these skills. Students may be required to work with audio and/or video tapes, and/or computer language programs. Prerequisite: SPA-200 or permission of department.

### **SPA-300 Advanced Grammar and Composition**

**3 credits**

A systematic review of grammatical structure. The development of writing skills, in preparation for upper level courses in literature, culture and professional language. Prerequisite: SPA-201 or permission of instructor, or placement test.

### **SPA-301 Spanish for Business**

**3 credits**

A solid foundation in business vocabulary and cultural concepts; situational practice in geographic and cultural contexts necessary to be successful in today's Spanish-speaking world. Practice in writing business letters, memos, and other documents. Oral and written assignments to help students improve their critical thinking and become better communicators. Prerequisite: SPA-201, or placement test, or permission of instructor.

### **SPA-302 Writing and Translating for the Professions**

**3 credits**

Practice in writing and an introduction to translation for students who will use Spanish in their professional lives. Using literary, cultural and journalistic sources, students learn various writing discourses including narration, description, essay composition, argumentation, journalistic and letter writing. Translation involves preliminary study of translation theory and techniques, and practice with texts from students' chosen careers. Additional study of Spanish grammar as necessary. Prerequisite: SPA-201, or placement test, or permission of instructor.

### **SPA-305 Cervantes**

**3 credits**

A detailed study of Cervantes' masterpiece *El ingenioso hidalgo Don Quijote de la Mancha*. Lectures, discussions, and supplementary readings. Prerequisite: SPA-201, or placement test, or permission of instructor.

### **SPA-310 Spanish Culture and Civilization**

**3 credits**

Spain's cultural achievements are studied in light of the country's unique historical and social reality through the use of historical, artistic, architectural, cinematic and literary sources. Cross-cultural awareness is enhanced through exercises that compare Spanish and American society. Classes are in English. No knowledge of Spanish required. This course may contain an

optional travel component offered before or after the semester or during spring break.

### **SPA-311 Latin-American/Latino Culture**

**3 credits**

A panoramic survey of Latin American cultural achievements in light of the unique social and political history from the pre-Columbian period to the present. The cross-cultural perspective includes a study of Latino culture in the United States. Classes are in English. No knowledge of Spanish is required.

### **SPA-320 Introduction to Spanish Literature**

**3 credits**

Examines through lectures, readings and class discussions selected texts and their relationship to the main currents of European literary history. Introduction to the practice of literary analysis through written composition. Required for majors. Prerequisite: SPA-201 or permission of instructor.

### **SPA-325 Introduction to Latin-American/Latino Literature**

**3 credits**

A study of the development of Latin-American and Latino literature from its origins to the present through the reading, analysis and discussion of representative works by major authors. This course increases the understanding of how social, historical and political events, together with native as well as foreign literary movements, create a unique literature, conveying the Hispanic-American reality. Required for majors. Prerequisite: SPA-201 or permission of instructor.

### **SPA-395 Phonetics for Communication**

**3 credits**

A systematic study of the production of Spanish sounds with practice in phonetic transcription and a preliminary investigation of dialects. Prerequisites: SPA-201, SPA-300, or permission of instructor.

### **SPA-403 Medieval Literature**

**3 credits**

Surveys the literature of Spain during the Middle Ages, with special emphasis on major writers such as Gonzalo de Berceo and Don Juan Manuel, and attention to the epic and the medieval ballad. Modern versions of medieval Spanish are used. Prerequisites: SPA-300, SPA-320 or SPA-325, or permission of instructor.

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## SPA-410 Modern Hispanic Poetry

3 credits

Surveys the poetic genre, emphasizing how to read, analyze, and appreciate poetry. Major poets from Spain and Spanish America of the 19th and 20th centuries representing the main currents of modern lyricism are studied. Focuses on such major writers as Rosalía de Castro, Darío, Jiménez, Machado, Vallejo, Neruda, Lorca, Paz, Ana Rossetti and Nancy Morejon. Prerequisites: SPA-320 or SPA-325, or permission of instructor.

## SPA-411 The Modern Spanish Novel

3 credits

Traces the development of the Spanish novel, paying particular attention to the masters of 19th-century Realism (Galdos and Clarin), the innovations and experimentation of the Generation of '98 (Unamuno, Baroja, Valle-Inclan, and Perez de Ayala), and the novelists of the post-Civil War and contemporary periods (Cela, Delibes, Goytisolo, Martín Gaité, Matute, Fernandez Cubas and Javier Marias). Emphasis on the aesthetics of the novel as a literary form. Prerequisites: SPA-320 or SPA-325, or permission of instructor.

## SPA-412 Hispanic Theater and Film

3 credits

This course explores through theater and cinema the compelling issues that have shaped Hispanic cultures and consciousness throughout the centuries. Sample topics include war and remembrance, myth and history, freedom and authority, immigration, globalization, race, class and gender. The course may focus on specific authors or historical periods. Representative playwrights include Lope de Vega, Zayas, Zorrilla, Avellaneda, Lorca, Buero Vallejo, Sastre, Solorzano, Carballido, Lopez Mozo and Pedrero. Directors include Buñuel, Saura, Gutiérrez Alea, Almodovar, Rocha, Salles, Erice, Zambrano and Bollaín. Prerequisites: SPA-320 or SPA-325, or permission of instructor.

## SPA-415 The Spanish Renaissance

3 credits

The origins and evolution of the Renaissance in Spain and of the literary expression of Renaissance culture as reflected in the development and perfection of prose and lyrical styles through the 16th century. Topics include the medieval heritage, Spanish Humanism, the Celestina, the Renaissance ideal in amatory prose and poetry, mysticism, the ballad, and the picaresque novel. Prerequisites: SPA-320 or SPA-325, or permission of instructor.

## SPA-416 The Spanish Golden Age

3 credits

The literature of Spain during a period of political decline and outstanding aesthetic achievement: Lope de Vega and the rise of a national theatre; Calderon's drama of ideas; the development of the novella and the picaresque novel; the poetry and prose of Gongora, Quevedo, and Gracian. Also includes an introduction to literary theory. Prerequisites: SPA-320 or SPA-325, or permission of instructor.

## SPA-426 Latin-American/Latino Film and Fiction

3 credits

A study of the main trends in contemporary fiction written in Latin America and the United States. Analysis and discussion of selected novels and short stories, and their cinematic representation on film. Required for majors. Prerequisites: SPA-320 or SPA-325, or permission of instructor.

## SPA-490 Independent Research and Study

1-4 credits

## SPA-491 Internship in Foreign Languages

1-4 credits

A supervised work experience in an approved organization to gain knowledge of the importance and interrelationship of foreign languages and cultures in the workplace. Placements can be made in international governmental agencies, international trade associations, multinational corporations, social service agencies and other appropriate workplace environments both in the United States and abroad. With permission of the supervisor and faculty advisor, a three-credit internship may be substituted for a collateral requirement as credit toward the major. Prerequisite: students should have completed at least one 300-level course in the foreign language.

## SPA-496 Special Studies

3 credits

A seminar open to a variety of topics treating a particular author, period, genre, or theme. Prerequisite: permission of instructor.

## Foreign Languages and Literatures: Foreign Literature in Translation (LIT)

The courses listed below do not have prerequisites.

## LIT-250 Masterworks of Western Literature I

3 credits

(Formerly Masterworks of World Literature I) Introduces the classical heritage and the development of a connected Western literary tradition as reflected in the classics of Western literature from the Greeks to the Renaissance. This course focuses particularly on the qualities, which make each work great. Works by Homer, Aeschylus, Sophocles, Euripedes, Virgil, St. Augustine, Dante, and Shakespeare are read and discussed in English. Required for all foreign language majors.

## LIT-251 Masterworks of Western Literature II

3 credits

(Formerly Masterworks of World Literature II) Introduces modern world literature and the further development of the Western literary tradition from the Enlightenment, through Romanticism, to the contemporary period. Major writers such as Moliere, Racine, Voltaire, Rousseau, Goethe, Tolstoy, Baudelaire, Yeats, Rilke, Ibsen, Mann, Kafka, and Borges are read and discussed in English. Required for all foreign language majors.

## LIT-310 Russian Literature from 988-1850

3 credits

A reading and discussion of some of the great Russian writers of the first half of the 19th century. Writers include Pushkin, Lermontov, Gogol, Turgenev, and Tolstoy. Classes are in English. No knowledge of Russian required. Required for majors.

## LIT-311 Russian Literature from 1850-1917

3 credits

A reading and discussion of some of the great Russian writers of the second half of the 19th century and early 20th century. Writers include Dostoevsky, Leskov, Chekhov, Bunin, Gorky, Blok, Bely, and Sologub. Classes are in English. No knowledge of Russian required. Required for majors.



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## LIT-312 20th-Century Russian Literature

3 credits

A reading and discussion of some major Russian writers from 1917 to 1970. Writers include Akhmatova, Tsvetaeva, Babel, Bulgakov, Pasternak, Mayakovsky, and Evtushenko. Classes are in English. No knowledge of Russian required. Required for majors.

## LIT-313 Contemporary Russian Literature

3 credits

A survey of Russian literature from 1970 to the present. The course is concerned with authors, literary trends, and changes in life in the former Soviet Union and Russia. Some major non-Russian authors who write in Russian and some Russian authors living abroad such as the Nobel prize winning poet, Joseph Brodsky, will also be considered. Classes are in English. No knowledge of Russian required.

## LIT-315 Tolstoy

3 credits

Reading and discussion of selected works of Tolstoy including his fables; novellas, such as *Master and Man* and *The Kreutzer Sonata*; and either *Anna Karenina* or *War and Peace*. Classes are in English. No knowledge of Russian required.

## LIT-317 Dostoevsky

3 credits

Reading and discussion of selected works of Dostoevsky, with special emphasis on *Crime and Punishment* and *The Brothers Karamazov*. Classes are in English. No knowledge of Russian required.

## LIT-322 German Literature and Film in English Translation

3 credits

(Formerly German Literature in English Translation) Reading and discussion in English of German literary masterpieces and their film adaptations. The material varies from year to year, e.g., German-Jewish writers, German Romanticism, German literature to 1700, modern fiction, or 20th-century women's literature and film. No knowledge of German required.

## LIT-325 The Folk Tale

3 credits

Introduction to the study of folk tales from a literary point of view, to the place of folk tales in European culture, and to the contrast between folk tales and written fairy tales such as *Beauty and the Beast* and *Cupid and Psyche*.

## LIT-330 Russian Culture

3 credits

Readings highlighting both the uniqueness of Russian culture and the ways Russian culture has had the greatest impact on Western culture in general. The course is divided into topics such as folklore, religion, painting, music, ballet and film. Readings from Russian literature will be used to illustrate significant aspects of Russian culture. Classes are in English. No knowledge of Russian required.

## LIT-340 Hispanic Literature and Film in English Translation

3 credits

This course explores literary and cinematic masterpieces in English translation. Attention is focused on their relationship to the intellectual, artistic and historical background of Spain, Latin America and/or United States Latino cultures. No knowledge of Spanish is required. Open to Spanish majors, but no credit given toward the specific requirements of the major.

## LIT-370 European Short Novel

3 credits

Introduces students to the study of the novella as a distinct literary genre in Europe. Discusses various theories of the novella and the history of the novella in Europe. Will read and discuss such masterpieces of the novella as *The Marquise of O*, *The Queen of Spades*, *A Simple Heart*, and *Death in Venice*.

## LIT-390 The Bible as Literature

3 credits

This course takes a literary approach to the Bible: only one, of course, of the many possible approaches to this rich and fascinating text. Nevertheless this approach to the Bible is justified both because the Bible is a literary masterpiece and because such an approach provides a clear focus for students. Students will read and discuss selections from the three major divisions of the Bible: the Old Testament, the New Testament, and the Apocrypha. Students will also read famous stories such as Joseph and his brothers, Moses and Exodus, Samson and Delilah, Jonah and the Whale, Susanne and the Elders, the raising of Lazarus, and the trial and execution of Jesus.

## Gender Studies (GND)

### GND-100 Introduction to Gender Studies

3 credits

An introduction to the role of gender in human experience, examining the biological, historical, literary, artistic, and institutional manifestations of gender, and exploring the intersections of gender, sex and sexuality.

### GND-200 Introduction to Women's Studies

3 credits

An interdisciplinary investigation of traditional and contemporary gender roles, and of women's status, identity, and potential. Required for minor.

### GND-300 Feminist Literary Criticism

3 credits

This seminar explores the diversity within feminist literary analysis. Various national, ethnic and cultural standpoints are represented and the different as well as the common assumptions within feminist thought will be discussed.

### GND-310 Special Topics

3 credits

Studies in specialized areas of feminist scholarship. Topics change according to instructor and are listed in the course roster. Prerequisite: one previous course in women's studies or permission of instructor.

### GND-311 Gender and Communication

3 credits

This course focuses on interactive relationships between gender and communication in contemporary American society. It connects theory and research with practice to explore multiple ways communication in families, schools, media, and society in general creates and perpetuates gender roles. It is designed to heighten students' awareness of how we enact socially created gender differences in public and private settings and how this affects success, satisfaction, and self-esteem.



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## **GND-312 Gender, War and Peace**

3 credits

Through readings in literature, history, political science, philosophy, and psychology, the course will explore critically the myths linking feminine gender with pacifism and masculine gender with aggression. Various perspectives on peace and war, the history of peace movements, and women's as well as men's participation in war will be considered.

## **GND-313 Gender and Ethics**

3 credits

An interdisciplinary seminar involving a concentrated study of recent works in feminist theory, with special attention to issues such as: Do men and women have different ethical perspectives and different styles of moral reasoning? How does the "ethics of care" differ from the traditional "ethics of justice?" Can the models of justice and care be integrated into a more comprehensive theory?

## **GND-315 Seminar in Gender Studies**

3 credits

This course offers students an open inquiry into the diverse constructions of gender and of sexuality, including masculinities and feminities. Questions about biological and cultural construction of identity will be explored. Prerequisite: junior or senior standing.

## **GND-350 Leadership and Community**

3 credits

Designed for all students whose future plans include community service, organizing, and leadership, this course will study organizing in response to domestic violence, discrimination on the basis of gender, sexual harassment, and other issues related to women's needs. Building coalitions, skills for leadership, and strategies for effective organization will be covered in readings and in class discussions, and students will practice what they have learned by working in a local non-profit community-based organization.

## **GND-400 Senior Seminar**

3 credits

An opportunity for upper-level students to apply the multidisciplinary knowledge and training of the gender studies minor to specific projects. Topics change according to instructor and are listed in the course roster. Required for minor. Prerequisite: junior or senior standing.

## **GND-490 Independent Research and Study**

1-4 credits

## **GND-491 Internship in Gender Studies**

1-4 credits

Students work in an approved organization, under supervision of someone in that organization and of a gender studies faculty member. Placements can be made in business, governmental and non-profit organizations and in local, grass-roots movements that draw on the knowledge acquired in gender studies courses. A minimum of 48 hours of field work per credit is required. Students must make bi-weekly reports, and they are required to analyze and evaluate their work at the end of the semester.

## **Geological, Environmental and Marine Sciences: Environmental Science (ENV)**

### **ENV-100 Introduction to Environmental Science**

4 credits

Examines how ecosystems function, with emphasis on the interactions between biological organisms and their physical environment, and the chemical processes that govern these interactions. The impact of human populations on natural ecosystems, is investigated in detail, using case studies from history and current events. The laboratory provides for hands-on experiences and/or short field trips to local sites for a better understanding of many of the concepts discussed. Weekday and weekend field trips may be required. Three lectures and one three-hour laboratory per week. spring

### **ENV-200 Statistical and Computer Applications in the Natural Sciences**

4 credits

Application of statistical applications and computer technology relevant to geological and biological problems will allow students to learn graphical and statistical techniques and execute them using computer technology. This course will emphasize graphics and statistics as an integrated method of data evaluation and representation. Exercises are designed to emphasize solutions of geologic and biologic problems using computer-based methodology. Three lectures and one three-hour laboratory per week. fall

## **ENV-350 Principles of Environmental Toxicology**

3 credits

A comprehensive description of the important principles of toxicology, including the absorption, distribution, metabolism, and excretion of toxic substances. Target organs systems will be discussed as well as mechanisms of carcinogenesis and teratogenesis. Specific groups of toxins to be discussed include: pesticides, metals, radiation, solvents and vapors, and plant and animal toxins. Three lectures per week. Prerequisites: ENV-100, CHE-120, CHE-121, CHE-122, CHE-123, CHE-211; BIO-115, BIO-116 or permission of instructor. spring

## **ENV-375 Environmental Biogeochemistry**

3 credits

The study of the chemistry of environmental systems is commonly controlled by interaction of water and weathering processes. Kinetics, acid-base, absorption-desorption reactions and oxidation reduction reactions dominate interactions in natural water chemistry. Biologic activity produces or destroys organic compounds altering the natural chemical system. Cycles including nitrogen, phosphate, iron, sulfur, oxygen and carbon will be considered. Understanding of isotopes allows insight to be developed to determine change in natural systems. Effects of pollution and use of natural products from the ocean reflect the impact of man on natural systems. Three lectures per week. Prerequisites: GEO-100 or GEO-113, CHE-120, CHE-121, CHE-122, CHE-123. spring

## **ENV-400 Seminar in Environmental Science**

3 credits

A detailed analysis of current environmental problems, their historical background, and future impacts. Students will participate in and lead discussions of current research in several of the subdisciplines of environmental science. Three one-hour discussion periods per week. Field trips may be required. Prerequisite: senior standing in environmental science, biology, geosciences, marine sciences, chemistry, or biochemistry, or permission of instructor.

## **ENV-480 Senior Thesis**

3 credits

A senior thesis is optional for environmental science majors. However, a senior thesis is required for eligibility to graduate with honors in environmental science. The topic for investigation will be chosen by the student in consultation with the faculty of the

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department of geological and marine sciences. The student must initiate consideration of a proposal to the department. The proposal must contain a discussion of the proposed project and a timetable to be followed in the study. A departmental committee consisting of a major and minor advisor will evaluate the written paper submitted at the conclusion of the study. An oral presentation before the department at the conclusion of the semester in which the study is completed is required. Proposals must be submitted in final form no later than the end of the ninth week of the semester prior to the semester in which the study is undertaken.

## **ENV-491 Internship in Environmental Science**

**1-4 credits**

A supervised work experience in an approved organization where qualified students gain real-world knowledge and utilize their academic training in a professional environment. Placements may be in private, public, non-profit, or governmental organizations. These can include consulting firms, regulatory agencies, advocacy groups, and educational or research institutions. Normally, 50 hours of internship per credit is required. A mutually agreed upon method of evaluation will be formalized prior to the approval of the internship by the sponsoring faculty and could include a term paper or project report and a poster presentation. Prerequisite: 2.5 GPA or permission of instructor.

## **Geological, Environmental and Marine Sciences: Geosciences (GEO)**

### **GEO-100 Earth Systems Science**

**3 credits**

Investigates the materials and natural processes that produce and alter the landforms found on the continents and in the ocean basins. Plate tectonics is emphasized throughout the course to show how global processes relate to geologic phenomena. The origin and evolution of minerals, rocks, volcanoes, streams, glaciers, deserts, and shorelines are examples of the geologic topics covered. Three lectures per week. Corequisite: GEO-102. fall

### **GEO-102 Earth Materials and Processes Laboratory**

**1 credit**

A laboratory experience involving the origin, significance, identification, and classification of earth materials and processes. Mineral and rock specimens, analytical equipment, and topographic and geologic maps are utilized. Short field trips to local sites help students visualize some of the concepts discussed. One three-hour lab per week. Concurrent enrollment in or previous completion of GEO-100 or GEO-113 is required. fall

### **GEO-113 Environmental Geology**

**3 credits**

A study of the interaction between humans and their environment. Topics discussed include earthquakes, floods, landslides, vulcanism, water supply, and mineral and energy resources. Considers the application of geology to community planning to demonstrate the application of geologic information toward a better future for society. Intended for non-science majors. Three lectures per week. fall and spring

### **GEO-168 Mesozoic Ruling Reptiles: Dinosaurs, Pterosaurs, and Plesiosaurs**

**3 credits**

A survey of the vertebrate groups that dominated the land (Dinosaurs), the seas (Mosasaurs, Plesiosaurs, Pliosaurs, Tylosaurs, and Ichthyosaurs) and the skies (Pterosaurs, Pterodactyls) during the Mesozoic Era. The course considers diversity of skeletal architectures and their reconstructed function and the often controversial, inferred anatomy, physiology, reproductive strategy, habit, and social behaviors of these animals that are different from mainstream reptiles, avers, and mammals. It also covers the paleogeographical, and paleoclimatological conditions that facilitated the evolutionary rise to dominance and diversification of these vertebrate groups and the debated causes of their eventual extinction. Three lectures per week.

### **GEO-201 Elements of Mineralogy**

**4 credits**

The crystallography, structure, physical and optical properties, and crystal chemistry of the common rock-forming minerals are presented. Classroom lectures and discussions emphasize modern mineralogical concepts such as point and space groups, x-ray diffraction, twinning and crystal defects, and atomic bond theory. The laboratory

emphasizes crystal symmetry recognition, mineral chemistry, optical properties and techniques, and the identification of minerals from hand specimens, thin sections, and x-ray diffraction analysis. Three lectures and one three-hour lab per week. At least one weekend field trip required. Prerequisites: GEO-100 or GEO-113, CHE-120 and CHE-121 taken concurrently, or permission of instructor. fall

### **GEO-305 Petrology and Petrography**

**4 credits**

The origin, evolution, and terrestrial distribution of igneous and metamorphic rocks are presented and detailed. Classroom lectures and discussions emphasize rock geochemistry, mineralogical variability, the constraints placed on petrogenetic models by physio-chemical studies of natural and synthetic systems, and the relation of the various rock types to current plate tectonic theory and other whole-earth processes. The laboratory emphasizes the identification of rock texture and mineralogy in thin section and hand specimen, the optical determination of mineral composition, and the recognition of possible petrogenetic processes as recorded in the rocks themselves. Three lectures and one three-hour lab per week. Two weekend field trips required. Prerequisites: GEO-201, CHE-122 and CHE-123 taken concurrently, or permission of instructor. spring

### **GEO-306 Sedimentology**

**4 credits**

The origin, transport and deposition of clastic and carbonate sedimentary materials. Included will be a consideration of diagenesis and lithogenesis. Laboratory will stress grain size, shape and roundness analyses and sedimentary petrology. Prerequisite: GEO-201.

### **GEO-307 Stratigraphy**

**4 credits**

The origin and distribution of stratified rocks, especially sedimentary deposits; their time and spatial relationships. Study of stratigraphic sections, consideration of facies and correlation. Three lectures and one three-hour lab per week. Field trips required. Prerequisite: GEO-306 or permission of instructor. spring

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## **GEO-310 Structural Geology**

4 credits

The origin, distinguishing characteristics, and geographic distribution of deformational structures of the Earth's crust. In the laboratory, geologic maps and three-dimensional problems are used in the study of typical surface and subsurface geologic problems. Three lectures and one three-hour lab per week. Field trips required. Prerequisites: GEO-100 or GEO-113, GEO-102. fall or spring

## **GEO-350 Soils and Surficial Processes**

3 credits

Examines the geological, chemical and biological processes acting on the surface of the Earth and the resulting morphology of these actions. Emphasis will be on the formation and characteristics and classification of soils. Study will also explore the subsequent geomorphology that results from the surface processes. Three lectures per week. Prerequisites: GEO-100 or GEO-113, GEO-102. spring

## **GEO-407 Hydrology and Water Resources**

4 credits

A study of the origin, occurrence, development, management, chemistry, and pollution of ground water resources. Introduction to the principles of ground water flow. Three lectures and one three-hour lab per week. Prerequisites: GEO-100 or GEO-113, GEO-102, MTH-105.

## **GEO-480 Senior Thesis**

3 credits

A senior thesis is optional for geosciences majors. However, a senior thesis is required for eligibility to graduate with honors in geosciences. The topic for investigation will be chosen by the student in consultation with the faculty of the department of geological and marine sciences. The student must initiate consideration of a proposal to the department. The proposal must contain a discussion of the proposed project and a timetable to be followed in the study. A departmental committee consisting of a major and minor advisor will evaluate the written paper submitted at the conclusion of the study. An oral presentation before the department at the conclusion of the semester in which the study is completed is required. Proposals must be submitted in final form no later than the end of the ninth week of the semester prior to the semester in which the study is undertaken. Prerequisites: senior standing in the geosciences major and permission of instructor. fall and spring

## **GEO-490 Independent Research and Study**

1-4 credits

## **GEO-491 Internship in Geosciences**

1-4 credits

A supervised work experience in an approved organization where qualified students gain real-world knowledge and utilize their academic training in a professional environment. Placements may be in private, public, non-profit, or governmental organizations. These can include consulting firms, regulatory agencies, advocacy groups, and educational or research institutions. Normally, 50 hours of internship per credit is required. A mutually agreed upon method of evaluation will be formalized prior to the approval of the internship by the sponsoring faculty and could include a term paper or project report and a poster presentation. Prerequisite: 2.5 GPA or permission of instructor.

## **Geological, Environmental and Marine Sciences: Integrated Sciences (SCI)**

### **SCI-100 Introduction to the Integrated Sciences**

4 credits

Traditional lectures and laboratory experiences are blended to encourage students to begin asking questions and designing experiments to learn about the physical, life, and earth sciences. This is the entry-level course for the integrated science major though it is open to all students interested in fundamentals of the life, physical, and earth sciences.

### **SCI-410 Seminar in the Integrated Sciences**

4 credits

As a senior seminar course, class discussion, presentation, and participation will be emphasized. Science topics will be covered that extend beyond the range of a single science discipline. Students will evaluate articles (from scientific journals, popular science magazines, newspapers, etc.) to discern the connections among various scientific disciplines, including mathematics. Specifically, students will present a written critique of the articles focusing on the proper use of the scientific method, the data analysis techniques (e.g., statistics, mathematics, etc.) and on the plausibility of the interpretations. Students will take turns leading the discussion of the articles. Students will also present a semester-long project (both written and oral) that

focuses on the linkages among disciplines of a scientific issue of their choice. Alternatively, the project can focus on developing and presenting an educational lesson plan. This would likely include presenting techniques on data collection, and how this issue can be presented to middle school students from a multidisciplinary viewpoint.

## **Geological, Environmental and Marine Sciences: Marine Sciences (MAR)**

### **MAR-120 Oceanography**

3 credits

The study of the origin and evolution of ocean basins and the physical characteristics of modern oceans and marine sediments. Investigates the interrelationships between the physical and the biological environments and how this influences the diversity and distribution of marine plants and animals. Examines coastal processes, beach morphology, and shoreline erosion. Three lectures per week. Weekend field trips may be required. fall and spring

### **MAR-121 Introductory Oceanography Lab**

1 credit

Introduction to the fundamental aspects of geological, chemical, physical, and biological oceanography. Students will learn through practical experiences using real data, demonstrations, and field exercises. The majority of the laboratory exercises will be inquiry-based. Local field trips and independent projects may be required. Corequisite: MAR-120 or permission of instructor. fall

### **MAR-210 Marine Life Through Time**

4 credits

(Formerly GEO-210) Survey of the important developments in marine life over the last three billion years from the Pre-Cambrian evolution of one-celled organisms, through the Cambrian explosion of complex marine invertebrate life and subsequent diversification of backboned organisms in the Ordovician time, to the colonization of marginal marine and freshwater habitats in the Silurian-Devonian geological periods, and ultimately to extinctions during global crises of the late Devonian, Permian, Triassic, Cretaceous and Pleistocene time intervals. The emphasis is on evolutionary adaptive breakthroughs within each phylum, particularly the significant morphological and anatomical innovations, and the subsequent radiation of these higher taxa into new habitats and niches through geolog-



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ic time. Three lectures and one three-hour lab per week. Prerequisites: GEO-100 or GEO-113, GEO-102 or BIO-115 or permission of instructor. spring

## **MAR-227 Introduction to Field Marine Science: Subtropical Environments**

4 credits

Quantitative comparison of (1) properties of sediments and hard bottoms; (2) associated diversity, abundance, size, and zonation of algae/plants and animals; and (3) physical-chemical properties of sea water. Habitats studied include rocky intertidal and subtidal pools, turtle grass beds, foraminiferal sandy beaches, hypersaline mangrove lagoons, quiet water fouling communities, soft coral shoals, red algal boiler reefs, and coral reefs. Emphasis on exercises involving field and laboratory instrumental analyses, group mapping project, and individual experimental research projects. Taught at the Bermuda Biological Station, Bermuda. summer session I

## **MAR-228 Introduction to Field Marine Science: Boreal Environments**

4 credits

Quantitative comparison of (1) properties of sediments and hard bottoms; (2) associated diversity, abundance, size, and zonation of algae and animals; and (3) physical-chemical properties of sea water. Habitats studied include wave-exposed and wave-protected rocky intertidal pools and algal communities, shingled cobble beaches, subtidal surge channels and urchin barrens, kelp beds, and shelfal and bottom habitats. Emphasis on exercises involving field and laboratory instrumental analyses, group mapping project, and individual experimental research projects. Taught at the Shoals Marine Laboratory, Gulf of Maine. summer session I

## **MAR-229 Introduction to Field Marine Science: Tropical Environments**

4 credits

Quantitative comparison of bottom environments, including (1) composition and texture of sediments and hard bottoms; (2) associated diversity, abundance, size, and zonation of marine algae, grasses, mangroves, and animals (interstitial meiofauna to macroinvertebrates) and (3) physiochemical properties of sea water. Habitats studied include turtle grass beds, mangrove swamps, sandy beaches, rocky intertidal pools, and reefs (backreef to reef crest to

forereef to reef channel). Emphasis on exercises which develop skills involving field and laboratory instrumental analyses, group mapping project, and individual experimental research projects. Taught at the Institute of Marine Sciences, Roatan, Honduras. summer session I

## **MAR-325 Marine Vertebrates: Fish to Mammals**

4 credits

A survey of the biology of marine vertebrate animals, including fish (jawless fish, sharks, rays, and bony fish), reptiles (sea turtles and sea snakes), sea birds, and mammals (manatees, seals, and whales). The evolution, physiology, natural history, ecological relationships, and human interactions of these groups are emphasized. Three lectures and one three-hour laboratory per week. Three all-day field trips (field trips will substitute for laboratories). Prerequisite: BIO-115 or BIO-272.

## **MAR-330 Chemical Oceanography**

4 credits

The study of the properties and interactions of the substances present in the marine environment. Physical and chemical properties of seawater as well as interactions of the sea with its boundaries (i.e., air-sea and sea-bottom surfaces). Three lectures and one three-hour lab per week. Prerequisites: CHE-121, CHE-122; MAR-120, MAR-121 or permission of instructor. fall

## **MAR-340 Marine Processes and Environments: Seminar**

3 credits

Focuses on how waves, currents, sea level change and tides affect shoreline morphodynamics. Emphasis is on process and morphological response. Studies include the long term coastal development and relative changes in sea level. Coastal management practices in such areas as beach protection, wetland mitigation and storm protection are examined. Two weekend field trips are required: one to a barrier island coast and another to glaciated coastal areas. Prerequisites: MAR-120, MAR-121, GEO-306. spring

## **MAR-360 Plankton Ecology**

4 credits

Examines the diversity, physiology, and ecology of marine phytoplankton and zoo-plankton. Students will survey the dominant plankton groups, their distribution, nutritional requirements, growth kinetics, and behavior. Planktonic predator/prey interactions and food web dynamics will be discussed.

Students will also examine the interdisciplinary nature and role of plankton in biogeochemical cycles. Three lectures and one three-hour laboratory per week. Prerequisites: MAR-120, MAR-121 or BIO-116.

## **MAR-380 Learning and Teaching of Marine Science**

4 credits

(Formerly Independent Marine Science Field Study) Field course provides K-12 educators and others an integration of practical experience in marine science with pedagogical concepts and applications. Students will become familiar with marine science content and scientific methodology through specially designed inquiry-based scientific exercises. During these activities, students will address the process of applying college-level content to their own classroom settings, considering national and state standards. Hands-on, field-based, scientific exercises will provide experience with a diversity of marine habitats and biological, geological, hydrological, chemical, and physical processes that influence them. Visited habitats will include rocky intertidal, salt marsh, tidal flat, beach and channel sand bars. As a result, students will develop field and laboratory skills in marine science and use them in designing materials for their own classroom.

## **MAR-401 Marine Ecology**

4 credits

Survey of environmental influences from the microstructure of skeletons to large-scale ecosystems. Correlation of invertebrate skeletal mineralogy and shape with environmental parameters. Reconstruction of population dynamics from organismal size-frequency data. Acclimation to abiotic limiting factors, and their influence on species distribution, growth, and reproduction. Evaluation of mutualistic, competitive and predatory interactions between species. Community structure and succession in rocky intertidal-subtidal, salt marsh, beach, mudflat, estuarine, shelfal and reefal habitats. Three lectures and one three-hour laboratory per week. Prerequisites: BIO-272, BIO-272L or permission of instructor. spring

## **MAR-410 Physical Oceanography**

3 credits

The study of the physical properties of oceanic systems including transfer of heat across the ocean surface, chemical balances, diffusion, motion of ocean waters, surface currents, deep currents, waves, tides, and sound and optical properties of sea water.



# COURSE DESCRIPTIONS

The complex movements of sea water and the influences of temperature, salinity, density, and circulation on the marine ecosystem are explored. Three lectures per week. Prerequisites: MAR-120, MAR-121 or permission of instructor. spring

## **MAR-429 Advanced Field Marine Studies**

3 credits

Diurnal (day-night) and tidal cycles involving physiochemical variables are established for shallow marine habitats from spring to neap tides. Corresponding behavioral and physiological rhythms in algae and invertebrates are correlated with abiotic cycles. Microgradients in substrate texture, composition, porosity and permeability, illumination, desiccation, and/or wave-exposure along vertical and horizontal surfaces are established. Biotic gradients, including distribution, size, abundance, and morphology of associated species, are correlated with abiotic variations. Additional course costs defray field work at the marine station for seven-14 days in January prior to the spring semester, with periodic required meetings in the following spring semester. Prerequisites: BIO-272, BIO-272L, MAR-227 or MAR-228 or MAR-229, MAR-330. spring

## **MAR-480 Senior Thesis**

3 credits

A senior thesis is optional for marine sciences majors. However, a senior thesis is required for eligibility to graduate with honors in marine sciences. The topic for investigation will be chosen by the student in consultation with the faculty of the department of geological, environmental and marine sciences. The student must initiate consideration of a proposal to the department. The proposal must contain a discussion of the proposed project and a timetable to be followed in the study. A departmental committee consisting of a major and minor advisor will evaluate the written paper submitted at the conclusion of the study. An oral presentation before the department at the conclusion of the semester in which the study is completed is required. Proposals must be submitted in final form no later than the end of the ninth week of the semester prior to the semester in which the study is undertaken. Prerequisites: senior standing in the marine sciences major and permission of department chair. fall and spring

## **MAR-490 Independent Research and Study**

1-4 credits

## **MAR-491 Internship in Marine Sciences**

1-4 credits

A supervised work experience in an approved organization where qualified students gain real-world knowledge and utilize their academic training in a professional environment. Placements may be in private, public, non-profit, or governmental organizations. These can include consulting firms, regulatory agencies, advocacy groups, and educational or research institutions. Normally, 50 hours of internship per credit is required. A mutually agreed upon method of evaluation will be formalized prior to the approval of the internship by the sponsoring faculty and could include a term paper or project report and a poster presentation. Prerequisite: 2.5 GPA or permission of instructor.

## **Global and Multinational Studies (GMS)**

### **GMS-180 International Dimensions of an Integrated World**

3 credits

Offers an introduction to Global and Multinational Studies by exposing the student to basic concepts necessary to understand the dynamics underlying the emerging world-wide society of diverse nations. The student will become acquainted with the mechanisms by which contacts are built across nations, and the factors that shape the conception of and relations with "the other."

### **GMS-200 The Social Construction of Global Society**

3 credits

This course discusses the emergence of an "imagined global community" in the final years of the 20th century, and the beginning of the 21st. The course will examine the forces that contribute to these changes, including the global dissemination of values, the changes in communication technologies, the globalization of the economy, and the spread of international non-governmental institutions and lobbying forces.

### **GMS-201 The Politics of the Global Economy**

3 credits

An examination of global political-economic institutions and governmental policies in a period of global structural change and economic crisis. Emphasis will be placed upon the attempts by advanced and newly industrializing governments to attract and to regulate transnational industrial and financial enterprise.

## **GMS-285 The Student Global Village**

3 credits

This course involves deliberative discussions carried out internationally among college students using videoconferencing technology. The project involves a series of 12 weekly videoconferences between students at Rider University and students at the American University of Cairo, or another international university. Students will be provided with materials to supplement their knowledge of the other country, and to allow them to discuss chosen themes in depth. The students will be required to write papers that describe their attitudes and impressions of the other country at the beginning and the end of the project, and to summarize what they have learned based upon the conferences and readings. Short papers will be required each week to prepare the students for the videoconference theme of the week.

## **GMS-306 Ethnographic Film**

3 credits

Explores the manner in which different civilizations are depicted through the medium of documentary film. Discusses the manner in which film may contribute to ethnographic understanding of a given people, and the limitations of the genre that may misrepresent the subject matter. Special attention is given to the role of the filmmaker and his/her position as participant, observer, and recorder of the events shown on the film. The films will be analyzed in terms of how they reflect, and potentially affect, a civilization's international image and global standing. These factors will then be considered in terms of their effects upon the place and actions of the civilization in global politics.

## **GMS-325 Global Perspectives on Health and Illness**

3 credits

Explores the different international perspectives on health and illness. Themes include how men, women, and children in respective civilizations are treated and viewed within their communities or nations, as they become ill. Particular attention is given to the contrast between various types of traditional healing and Western medical practices, and their interactions. Discussions will also compare the usefulness of national versus international health agencies in dealing with global health problems.

# COURSE DESCRIPTIONS

## **GMS-491 Internship in Global and Multinational Studies**

1-4 credits

Students work under supervision, either in the United States or abroad, in an environment which provides experiential learning in institutions that operate in a global environment, including those in government, business, and international non-governmental organizations (INGOs). Domestic internships might also include work in agencies that deal with global problems such as an international environmental group or a refugee resettlement center. A minimum of 52 hours of field work per credit is required, with regular reports and a concluding critique analyzing the experience. Primarily for seniors and qualified juniors. No more than six credits allowed toward graduation.

## **Health Administration\* (HTH)**

\*Note: All courses with the HTH prefix will count as liberal arts courses for business students.

### **HTH-205 Introduction to the Health Care Sector**

3 credits

This course is an introduction to the components of the health care industry in the United States and to the interactions of these components in producing and supplying health care. We examine the nature of health, and the various institutions and personnel which seek to provide health services; we explore the means by which we pay for these services; we assess the relationship of technology to provision of health care services; we study the various ways that our government interacts with the providers of health care services; we investigate the ethical implications of issues in health care; and we explore health care sectors from an international perspective.

### **HTH-315 Health Care Law, Ethics and Policy**

3 credits

This course analyzes the role of the law in promoting the quality of health care, organizing the delivery of health care, assuring adequate access to health care, and protecting the rights of those who are provided care within the health care system. It will also examine the public policy, economic, and ethical issues raised by the health care system. Prerequisite: 54 credits. Note: This course is cross-listed as BUS-315. Students may not get credit for both

BUS-315 and HTH-315. For business students who take the course as BUS-315, the course will count as a business course. If taken as HTH-315, the business student will receive credit as a liberal arts course.

### **HTH-336 Economics of the Health Care Sector**

3 credits

This course presents ways in which economic analysis can be used to explain issues in the health care industry. Microeconomics tools will be used to describe the behavior of consumers, producers, and third parties of the health care sector. The course also investigates the role of government in regulating the health care sector, and in providing services to the poor and elderly. Finally, we will use this foundation to examine some recent changes in this industry, and to analyze the most recent proposals for further changes.

Note: This course is cross-listed as ECO-336. Students may not get credit for both ECO-336 and HTH-336. For business students who take the course as ECO-336, the course will count as a business course. If taken as HTH-336, the business student will receive credit as a liberal arts course.

### **HTH-450 Seminar in Health Research**

3 credits

Students in the course learn to conduct health administration-related research by engaging in an actual community-based research project. At the beginning of the semester, students are assigned to a health-related community-based organization. As a team, students meet with the client, devise a plan of action, collect and analyze data and other information, and write a report to the client. At the end of the semester, students present their findings to the client. Prerequisite: Permission of instructor.

### **HTH-491 Health Services Internship**

3 credits

This course provides students minoring in health administration an opportunity to supplement and apply their classroom work in a supervised employment setting with participating firms in the health care sector. Requirements include: a log of daily activities, oral and written reports to the faculty supervisor and a term paper. In addition, the employer will also submit an evaluation of the student's performance. Prerequisites: HTH-205, junior or senior standing, and permission of faculty supervisor.

## **History (HIS)**

Students considering history courses above the 250 level should be certain that they have adequate background. If this is doubtful, the appropriate lower-level courses are strongly recommended. If in doubt, consult the instructor of the course you are thinking of taking.

### **HIS-110 Seminar in History**

3 credits

An introduction to the college-level study of history and historical method for freshman history and education/history majors and interested freshman liberal arts university studies students. fall

### **HIS-150 World History to 1500**

3 credits

A survey of people and their cultures, focusing on the two major historical traditions (Western and East Asian) from pre-history to the moment when they merged into a single strand, during the century 1550 to 1650. The varying political events, institutions, technologies, and cultures of the East and West are highlighted.

### **HIS-151 World History Since 1500**

3 credits

Major developments in world history from the 16th century on are considered, with an emphasis on the impact of ideas and influences from Asia and the New World upon European culture and society and the European impact upon Asia, Africa, and the Americas. Prerequisite: HIS-150.

### **HIS-201 African-American History**

3 credits

Examines the actions and thought of peoples of African ancestry in the United States. Briefly considers Africa before the Atlantic slave trade, then concentrates on major themes in African-American history—the slave trade, slavery and the genesis of African American society, emancipation and its consequences, urbanization and industrialization, Black Nationalism, the Civil Rights Movement, and African Americans today. Emphasizes African Americans' dynamic and creative role both in shaping their society and establishing their place in United States society. The on-going struggle for freedom and equality provides thematic continuity for analyzing nearly 400 years of African-American history.

# COURSE DESCRIPTIONS

## **HIS-205 A History of American Business**

3 credits

Examines the history of business in the United States from the Colonial Era to the present. Emphasizes such themes as the changing capitalist system, the function of business institutions, the roles of the entrepreneur, the relationship between government and business, and the emergence of the corporation.

## **HIS-208 U.S. I: American History from European Settlement through Reconstruction**

3 credits

A survey of American history from the early 17th century through 1877. Among the topics covered will be settlement and regional differences, the American Revolution and the formation of a national government by 1787. The beginning stages of industrialization, the rise of democratic and reform politics, westward expansion, the debate over slavery and growing sectional tensions through the Civil War and Reconstruction will be major themes in the 19th century. Included will be discussions of African Americans, native Americans and women.

## **HIS-209 U.S. II: American History from Reconstruction to the Present**

3 credits

A survey of United States history from the end of the Civil War through the present. Included will be discussions of the maturing of an industrial economy, and expansion in the west and overseas. The role of the United States as a world power and the growth of presidential power will be shaped and sometimes challenged by movements designed to expand democratic institutions and human rights. Included will be discussions of African Americans, native Americans and women.

## **HIS-214 Europe to 1715**

3 credits

Examines the development of European civilization from late Roman times until 1715, stressing the Classical heritage, the main currents of European thought and letters, the Renaissance and Reformation, the Age of Discoveries, and the development of the Old Regime.

## **HIS-215 Europe Since 1715**

3 credits

Examines major political, economic, social, and cultural developments in Europe and the West from 1715 to the present.

## **HIS-251 Oral History**

3 credits

A study of the theory and practice of oral history. Involves an examination of the methodology and functions of oral history, the nature and character of oral evidence, and the place of oral testimony within the historical discipline.

## **HIS-265 Britain to 1688**

3 credits

British history from pre-Roman times to the Glorious Revolution is examined, emphasizing the growth of royal government, parliament, and the origins of the British colonial empire.

## **HIS-266 Modern Britain**

3 credits

Examines British history from the Glorious Revolution to the present, stressing the reform movements of the 18th and 19th centuries, the Pax Britannica, the Industrial Revolution, imperialism, and the impact of the two world wars.

## **HIS-268 History of Ireland**

3 credits

Beginning with an overview of the Irish past, focuses upon the past century of the island's history—the problems, challenges, and accommodations that led to the present situation as one of the most protracted unresolved partitions in the modern nation-state system.

## **HIS-269 Women in Europe from Antiquity to the French Revolution**

3 credits

Traces the history of women in Europe from Rome to the French Revolution, covering the religious, social, political, and economic context in which women participated. Also offers a brief overview of theories and issues in women's history and gender history.

## **HIS-273 Imperial Russia**

3 credits

(Formerly History of Russia to 1855) Discusses the political, economic, social and cultural developments in Russia and its borderlands during the Imperial period, that is to say the eighteenth and nineteenth centuries from Peter the Great to the Revolutions of 1917.

## **HIS-274 Modern Russia**

3 credits

(Formerly History of Russia Since 1855) Covers the background to the Russian revolutions of 1917, the revolutions themselves, and the evolution and dissolution of the

Soviet regime. Cultural, social and economic aspects of this period receive as much attention as political aspects.

## **HIS-275 Italy from the Middle Ages to the Present**

3-4 credits

Traces the history of Italy from the Middle Ages to the present, stressing the connection between culture, religion, politics and wealth in successive historical periods. Students participating in the two-week travel component at the end of the course may receive four credits.

## **HIS-280 Vietnam in Peace and War**

3 credits

Examines the history of modern Vietnam, with a focus on the struggle for independence from the late 18th century to the present. Discusses the traditional culture, French colonialism and the development of Vietnamese nationalism, the Japanese occupation in WWII, and the struggle against France and the US in the First and Second Indochinese Wars, as well as the postwar period. Explores the American experience in Vietnam and the impact of the war in the United States.

## **HIS-281 The Modern Middle East**

3 credits

Examines political, economic, social, and cultural developments in the Near East, from the rise of the Ottoman Empire to the present, stressing the impact of contacts with the West in the 19th and 20th centuries, and the emergence of the contemporary Arab World, Israel, Turkey, and Iran.

## **HIS-282 Colonial Latin America**

3 credits

Examines the pre-Columbian and colonial periods of Latin-American history. Discusses the Indian, African, and European peoples and pays particular attention to the colonial Spanish and Portuguese societies from their establishment up to the revolutions that brought about political independence.

## **HIS-283 Modern Latin America**

3 credits

Considers the post-independence history of Latin America, emphasizing the rise of export economies and external economic domination, modernization, and pan-Americanism. Examines the changes undergone by Latin-American nations in the 20th century through an analysis of Mexico, Argentina, Chile, Brazil, Peru, Cuba, and Central America.



# COURSE DESCRIPTIONS

## **HIS-284 Caribbean History**

3 credits

Analyzes the history of the West Indian islands and the lands bordering the Caribbean Sea from pre-Columbian times to the present.

## **HIS-285 Traditional China and Japan**

3 credits

Sketches the ancient foundations of Asian institutions and culture from 1100 B.C. to A.D. 1800, the beginning of the modern period in the Orient. Focuses chiefly on China and Japan, considering their political, economic, social, philosophical, religious, and aesthetic development.

## **HIS-286 Modern East Asia**

3 credits

Examines the disintegration of the Ch'ing dynasty in China and the Tokugawa shogunate in Japan under internal stresses and foreign incursions, and the varied experience of those states in coming to terms with the challenges of modernization and westernization. Covers political, economic, social, and cultural factors in China, Japan, and East Asia.

## **HIS-287 China in Revolution**

3 credits

Treats the Chinese Revolution in terms of political, economic, and social transformation.

## **HIS-288 African History**

3 credits

Traces the history of Africa, analyzing the unique problems of African historical evidence and the complexity of the continent's past. Examines the genesis of African culture, early African societies, and the character of African civilizations and empires, then considers external influences such as religion (especially Islam and Christianity), contacts with Europe, the slave trade, the colonial scramble for Africa, colonial rule, modernization and dependency, and concludes by assessing the rise of independent Africa after World War II, its present status and future prospects.

## **HIS-289 History of Modern Japan**

3 credits

Examines the history of modern Japan from the age of the samurai in the Tokugawa Shogunate to today's high-tech mass consumer society. It traces the interaction of elements of Japan's traditional culture with impacts from the outside to create a uniquely-Japanese modernity. It stresses social, economic and cultural trends, as well as political history, and includes an examination of modern Japanese culture through fiction and film.

## **HIS-295 Native American History**

3 credits

Traces the experiences of North American Indians from early colonial times to the present day, demonstrating how Indian life has varied and changed throughout our nation's history. Topics include strategies of resistance and accommodation to colonial powers, 19th-century impacts of U.S. government removal and cultural assimilation policies, and 20th-century cultural and political developments among the nation's surviving tribes. Rather than "vanishing," American Indians are a vital and expanding force in modern America.

## **HIS-299 American Environmental History**

3 credits

(Formerly American Environmental History and Culture) Surveys the history of the North American environment from pre-Columbian times through the 20th century. Topics include Native American uses of the environment; the reshaping of ecosystems under European colonization; U.S. frontier expansion; the ecological impact of industrialization and urbanization; and the rise of the environmental movement.

## **HIS-300 Economic History of the United States**

3 credits

Studies the main currents in the economic growth of America from colonial times to the present. Stresses the process of economic development from an agrarian to an industrial society, and examines the challenges and dislocations resulting from economic change.

## **HIS-301 Constitutional History of the United States**

3 credits

Surveys the English, Colonial, and Confederation backgrounds of American law and constitutionalism; the framing, adoption, and implementation of the Federal Constitution and its later development; the role of law in the nation's history; the changing interpretations of federalism; the growth of judicial review; and the increasing role of the Supreme Court.

## **HIS-302 The American Worker: A Social History**

3 credits

Investigates the American workers' varied social, cultural, religious, and ethnic environment from post-Civil War to the present. Emphasizes worker response to industrialization, urbanization, the technical revolution, and automation.

## **HIS-303 American Urban History**

3 credits

Traces the growth of urbanism in America from colonial times to the present. Focuses on the interaction between the city dweller and the urban environment and explores the problems confronting urban America today.

## **HIS-304 Civil War and Reconstruction**

3 credits

Considers the Civil War as a watershed in the development of the American republic. Analyzes antebellum sectional conflict, the war years, and the era of Reconstruction.

## **HIS-305 U.S. Cultural History I**

3 credits

(Formerly Social and Intellectual History of the United States) Examines cultural developments in the United States through the Civil War. Topics include popular culture, the history of the body, reading and print culture, public celebrations and holidays, religion, race and ethnicity, and material culture. Some of the larger trends explored include the creation of American nationalism, the development of a consumer society, and the rise and decline of 19th-century family life and culture.



# COURSE DESCRIPTIONS

## HIS-306 U.S. Cultural History II

3 credits

(Formerly Social and Intellectual History of the United States II) Examines cultural developments in the United States from the late 19th century to the present. Topics include popular culture, intellectual history, gender history, literary history, film, institutions like museums and department stores, subcultures and counter-cultures, popular commemorations like World's Fairs, and political culture. Some of the larger trends explored include the development of the modern culture of consumption, the urban landscape, and the polarization of cultural values.

## HIS-307 The Immigrant in American Life

3 credits

Examines the experiences of immigrants in the United States, their assimilation, the reactions to them, and their contributions.

## HIS-308 The History of New Jersey

3 credits

Explores the history of New Jersey from the colonial period to the present including the role of New Jersey in the American Revolution, the establishment of the Constitution, and the course of industrialization. Examines the impact of national and international developments on New Jersey and emphasizes the distinctive characteristics of the Garden State.

## HIS-309 Women in American History

3 credits

Examines the roles, status, and influence of women from the colonial era to the present. Studies the origins and development of feminism, including legal, political, educational, economic, and sexual rights; and studies social feminism, including reform movements in such fields as abolition, prohibition, pacifism, child labor, and social welfare.

## HIS-310 American Foreign Relations to 1900

3 credits

Investigates the processes and techniques of American foreign policy. Covers American diplomatic history from its colonial background and the Revolution to the new imperialism.

## HIS-311 American Foreign Relations Since 1900

3 credits

Examines the diplomatic history of the United States from the new imperialism of the 1890s to the present, focusing especially upon the Spanish-American War, World Wars I and II, the Cold War and its aftermath.

## HIS-312 History Abroad

3 credits

Two-week travel course to a destination chosen by the professor. Exposes students to historic and cultural sites and works of art that have been studied in class. Students must attend orientation sessions, read assigned writings, complete a travel journal, write a final paper on a topic relevant to the course, and attend all scheduled course activities abroad. Travel will take place in January or at the end of the spring semester.

## HIS-313 Modern European Intellectual History

3 credits

Examines the 17th-century revolution in scientific, philosophical, and political thought; the Enlightenment; Romanticism; the ideologies of Conservatism, Liberalism, and Socialism; Positivism; Darwinism; the crisis of European thought (1880-1914); and the major intellectual trends of the 20th century.

## HIS-314 History of Socialism

3 credits

Considers the historical development of socialist ideas and their adaptations from ancient times to the present, including ancient and Judaeo-Christian antecedents, Utopian Socialism, Marxism, Anarchism, Communism, and Democratic Socialism, emphasizing the historical comparisons among these schools.

## HIS-315 History of Ancient Greece

3 credits

Surveys the intellectual and cultural life of ancient Greek civilization against the background of its political, economic, and social history.

## HIS-316 History of Ancient Rome

3 credits

Studies the history and culture of Rome, emphasizing such topics as Roman law, government, literature, religion, art, and philosophy.

## HIS-317 The Era of World War II

3 credits

Investigates selected topics relating to the origins, events, and outcome of World War II, emphasizing the war's impact on 20th-century civilization. Traces the roots of the conflict back to the World War I peace settlements, and examines the rise of totalitarianism, pre-war aggression and appeasement, the immediate causes of the war's outbreak, the course of military actions, the diplomacy of the belligerents, the war's impact on civilian life, and factors that shaped the post-war world.

## HIS-318 The American Revolution

3 credits

(Formerly Revolutionary America) Examines the growing rift between the American colonies and the British Empire, the War for Independence, and the creation of a new American republic. Explores the political, economic, social and cultural history of the Revolutionary era, and includes the experiences of various groups such as Native Americans, slaves, and women.

## HIS-320 The History of Christianity

3 credits

Examines Christianity's role in world history from the life and times of Jesus to the present. Emphasizes the quest for the historical Jesus, the emergence of Christianity after his death and triumph during the later Roman Empire, and Christian relations with pagans, Jews, heretics, witches and Muslims. Traces the various branches of Christianity, its spread throughout the world, church-state relations and responses to secularism, capitalism and communism.

## HIS-325 Church and Society in Medieval Europe

3 credits

Studies the role of the church in the shaping of early medieval society. Emphasizes the emergence of Christianity as a world force, its challenge from Islam, and the church's impact on the politics, thought, and economy of early medieval Europe.

# COURSE DESCRIPTIONS

## **HIS-331 Renaissance and Reformation**

3 credits

Studies the Renaissance, including the development of humanism and art as well as the political and economic changes of the period. Discusses the Renaissance church and movements for religious reform, leading to a consideration of the origins, development, and consequences of the Reformation. Examines the influence of the Renaissance and Reformation on the development of capitalism and the dynamic, secular nation-state.

## **HIS-339 Women in East Asia**

3 credits

Treats the history of the relationship between women and society in traditional East Asia and the modern transformation of their relationship.

## **HIS-340 A History of Medicine and Health**

3 credits

Examines the development of medicine and health in the West, with emphasis on the American experience. The course will examine the folk and magical medical practices, the rise of scientific, rational explanations for disease in the ancient Greek, Islamic, and Renaissance European traditions, and the business of health provision. The impact of disease, especially epidemic disease, on human health will be examined. Women's health issues will be discussed. Life expectancy, fertility, migration and living standards will provide the context for the discussion of health and longevity.

## **HIS-350 20th-Century Europe**

3 credits

Studies the background and course of the two world wars, the related peace settlements, and their results, and the domestic and international politics as a way of understanding the contemporary scene. Emphasizes nationalism, power politics, collective security, imperialism, fascism, and communism in their economic, social, and intellectual context.

## **HIS-355 History of 20th-Century Diplomacy**

3 credits

Explores significant developments in international relations from the events leading up to the First World War through the post-Cold War era. It examines examples of the successes and failures of modern states in efforts to enhance their security through their foreign policies, and it focuses on the

political, economic, geographical, ideological, and cultural factors that have shaped nations' roles in the international arena since 1900.

## **HIS-360 Seminar in Historiography**

3 credits

Briefly describes the evolution of Western historical thought from the Greeks to the present, focusing on the new directions history has taken in the 19th and 20th century. Also introduces such theoretical issues as the connection between structures and events, historical causation, objectivity, and the uses of history. Encourages the application of growing historiographical sophistication through the analysis of distinguished works of current scholarship.

## **HIS-375 American Military History**

3 credits

Prefaced by a brief consideration of the principles of war and the immediate European background of military technology and doctrine. Considers the growth and change of the United States armed forces, their experience in the nation's wars, and their position in facing world challenges today.

## **HIS-376 Warfare in History**

3 credits

Studies the evolution of international and intergroup conflict through the ages; principles, theories, and kinds of war; the great military practitioners and thinkers of world history. Briefly touches upon the American experience as a recent segment in world military and cultural history.

## **HIS-460 History and Historical Method**

3 credits

Seminar in the principles and practice of historical research. Required of history majors at the senior level. Prerequisite: HIS-360.

## **HIS-490 Independent Research and Study**

1-4 credits

## **HIS-491 Internship in History**

1-4 credits

Internships to be offered each semester with such institutions as the New Jersey State Archives and the David Library of the American Revolution.

## **Interdisciplinary Studies (IND)**

### **IND-210 Global Encounters: A Cultural Experience by Travel in (Site[s])**

3 credits

This course provides students with an exposure to foreign cultures consisting of both travel and study components. Destinations may include countries in Europe, Latin America or Asia. While traveling, students will be required to attend lecture/discussion sessions, site tours, and other planned activities. This experience will be preceded and/or followed by additional academic work to be conducted on campus. Study topics may include aspects of the historical, social, economic, political and aesthetic cultural components appropriate to the location(s) visited. The travel component of the course will be scheduled to avoid conflict with normal semester offerings. A travel fee is required. No foreign language skills are required unless otherwise indicated.

### **IND-300 Supervised Study**

1-4 credits

Juniors and seniors in good academic standing who, for reasons beyond their control, find that a required course has not been scheduled before they expect to graduate, may receive permission from a faculty sponsor, the chairperson, and the dean to register for a supervised study. Appropriate forms (available in the dean's office) must be completed and approved no later than the last day to add courses for the semester in which the supervised study is to be undertaken.

### **IND-401 Seminar in Russian Area Studies**

3 credits

This senior-level course explores carefully selected topics concerning Russia or the former Soviet Union in greater depth than is possible in the regular curriculum. The topics change in accordance with the interests of the students and the instructors. Possible topics include the city in Russian literature, the silver age of Russian culture 1870-1917, Russian intellectual history in the 19th or 20th century, the development of the Russian Revolutionary movement, and Marxism in Soviet thought.

# COURSE DESCRIPTIONS

## International Studies (INT)

### INT-314, INT-315, INT-316 Study Abroad

12-17 credits per semester

Study Abroad options available to students include a wide variety of academic locations and courses. Programs may include opportunities for intensive language study as well as courses in other academic disciplines that may include the local culture, literature, art, music, history or politics of the site selected for study. Some sites provide courses taught in English. Students may be approved to enroll in Study Abroad for a semester, summer session or a full year. Additional information is available from the study abroad office. Prerequisites: 2.5 GPA; sophomore standing or above.

## Law and Justice (LAW)

### LAW-140 Introductory Seminar in Law and Justice

3 credits

Introduces students to the interdisciplinary study of law and justice. The seminar is designed to enable students to think critically about legal issues, address legal problems from various viewpoints, and apply different types of theories of justice to analyze laws and legal institutions. Students will learn to address law and legal issues from a variety of perspectives and approaches: anthropological, historical, literary, philosophical, political, psychological, and sociological. Open to freshmen and sophomores only.

### LAW-150 Introduction to Forensics

3 credits

Introduces students to principles of forensic science. Whether the issue is establishing paternity or cause of death, determining arson or liability, or deciding criminal guilt or innocence, collecting and evaluating forensic material is typically involved. Students will learn the meaning and significance of scientific evidence and its role in criminal investigations and civil and criminal trials. Students will learn how forensic scientists work, define a problem, collect data and analyze results. Case studies, crime simulations and examination of criminal evidence will highlight the application of scientific principles.

### LAW-204 Law, Literature, and Film in America

3 credits

Focuses in an interdisciplinary manner on law and justice as represented in American literature and films. It analyzes novels, short stories, and selected non-fiction texts from the perspectives of literary criticism, social history, and cultural and American studies.

### LAW-304 Women and Law

3 credits

Explores the social, economic, political and cultural context of laws relating to women and gender, such as workplace discrimination, divorce and child custody and reproductive rights. It examines how such laws have changed historically and the impact such laws have had on women as well as on men and on American society. The course also examines women in the legal profession and their impact on the practice of law and legal reasoning.

### LAW-305 Trial Advocacy

3 credits

Integrates knowledge and understanding of substantive laws pertaining to a specific case, with examination of the court process. Students develop their communications skills and their ability to evaluate facts and the relevance of various forms of evidence. By participating in the legal process from the inception of a case to its legal outcome students gain an understanding of the complexity of the legal process and the social roles of the various actors (plaintiffs, defendants, jurors, lawyers, judges, witnesses) involved.

### LAW-306 Law and Justice Experience

3 credits

Provides supervised work experience in an institution, office or agency related to law or law enforcement, such as courts, prosecutor/defense attorney offices, private law offices, state agencies, and local police departments. Students are expected to apply and broaden the knowledge obtained from law and justice courses to their field work experience. Students meet as a class with a faculty instructor to discuss and analyze their field work experiences. Available to juniors and seniors in law and justice minor or by approval of the director of law and justice program. Prerequisites: minimum 2.75 GPA and permission of instructor.

### LAW-307 Criminal Justice Practice

3 credits

Examines how recent social, economic, technological and legal changes have affected criminal justice agencies and practitioners. It will explore how the work organizations of criminal justice practitioners have changed and assess current new directions in the field. Students will examine the work and work settings of criminal justice practitioners and the culture and structure of different criminal justice agencies. Through a variety of case studies and projects (including interviews and visits to criminal justice agencies) students will examine types of work in the field of criminal justice, assess the effects of current social policies on criminal justice careers, and explore ethical issues raised by changes in criminal justice practice. Prerequisite: junior standing.

### LAW-308 Conflict and Conflict Resolution

3 credits

Focuses on understanding the meaning of conflict and strategies for its resolution. The course examines the ways conflict functions in various social contexts including professional, community, family, education and international relations. Traditional models of adjudication will be compared to alternative forms of dispute resolution. Students will be introduced to research on the practice and effectiveness of various forms of conflict and conflict resolution. Students will participate in various class exercises, including role-plays, simulations and case studies.

### LAW-310 Cyberspace Law and Policy

3 credits

Explores the legal and policy concerns raised by the Internet from both national and international perspectives. The course also will explore regulation issues in the online world focusing on the extent to which cyberspace is currently under control and the extent to which it can or should be regulated. Particular attention will be given to the applicability of various principles of law and models of regulation. Topics addressed will include jurisdiction, freedom of expression, intellectual property, privacy protection, safety concerns, equal access, electronic commerce, and computer crime.

# COURSE DESCRIPTIONS

## **LAW-355 Sports and the Law**

3 credits

Examines the legal, ethical, economic, social and managerial issues related to sports. Topics include liability issues, contracts, employment discrimination, antitrust law, and constitutional law.

## **LAW-365 Rights of the Accused**

3 credits

Analyzes the major substantive and procedural rights accorded to the criminally accused by the United States Constitution. Particular attention will be given to the right to counsel, confessions and self-incrimination, arrest, search and seizure. Students will learn to argue and write hypothetical case opinions.

## **LAW-395 Selected Topics in Law and Justice**

3 credits

Studies specialized areas of scholarship related to laws, legal institutions, legal or law-related occupations, and/or legal decision making. The course will provide an interdisciplinary examination of a selected topic. Topics vary and are listed in the course roster.

## **LAW-405 Crime and Justice in the Media**

3 credits

Focuses on the related themes of crime and justice in many different cultures and historical eras as they have been represented in a variety of European, American, African, Asian, and Australian texts in the following media: primarily in films and fiction but also in dramas and serious, non-fiction prose.

## **LAW-450 Law and Justice Senior Seminar**

3 credits

Draws on and develops students' knowledge and understanding of law and legal institutions and applies it to a specific legal topic, method, institution or controversy. Topics will vary. Students explore the social, political, ethical, and economic issues relevant to the topic. Students will be expected to contribute to seminar discussions and to complete projects related to the seminar theme. Required for seniors in law and justice minor and open to others by permission of the instructor or director of the law and justice program.

## **LAW-490 Independent Research and Study**

1-4 credits

Allows students to design and carry out original research on a topic of their choice. Available to juniors and seniors in the law and justice minor. Proposals must be reviewed and approved by a faculty sponsor. Proposals must be submitted at least four weeks prior to course registration.

## **LAW-491 Internship in Law and Justice**

1-4 credits

Provides supervised work experience in an institution, office or agency related to law or law enforcement, such as courts, prosecutor/defense attorney offices, private law offices, state agencies, and local police departments. Students are expected to apply and broaden the knowledge obtained from law and justice minor courses to their field work experience. Prerequisites: 2.75 GPA and permission of the director of the law and justice program. fall, spring, summer

## **LAW-496 Honors Thesis in Law and Justice**

3-6 credits

Entails substantial research and writing on a topic selected by the student. Available to seniors in the minor who have a minimum cumulative GPA of 3.25 and a 3.25 GPA in law and justice minor courses. Proposals must be reviewed and approved by the law and justice program committee. Proposals must be submitted at least four weeks prior to course registration.

## **Leadership Development Program (LDP)**

### **LDP-200 Foundations of Leadership**

3 credits

This course provides students with a working model of leadership to guide their personal leadership development. It also exposes students to insights about leadership from respected commentators, scholars, and practitioners through the ages. Finally, it provides students with an opportunity to actively "do" leadership through a semester-long leadership project.

## **Liberal Studies (LIB)**

### **LIB-200 Introduction to Liberal Studies**

3 credits

Introduces students to the various perspectives and methods of the disciplines in liberal studies: natural and social sciences, humanities, and the arts. Students learn the multifaceted nature of reality by contrasting the types of questions and answers offered by each discipline. They study the historical development of the university and the rise and transformation of liberal studies disciplines.

### **LIB-300 40-Hour HAZWOPER Certification**

3 credits

This course prepares senior level, undergraduate environmental science students to satisfy regulatory compliance mandates to work in the environmental field. Certification is only valid for one year. To retain certification, a student must annually attend an eight-hour re-certification program or she/he will have to retake the 40-hour certification course.

### **LIB-301 Environmental, Safety and Health Program Management**

3 credits

A course for undergraduate environmental science students, as well as health and safety professionals. Course considers various management techniques, roles, history, program elements, and current trends in environmental, safety and health in industrial and government settings.

### **LIB-302 Sampling and Testing Methods for Industrial Hygiene I**

3 credits

Course is designed to introduce and familiarize the student with methods to test and sample various items in the workplace. Hands on use of IH (industrial hygiene) equipment will be used. Prerequisites: General CHEM I and II, BIO or physics and math including statistics.

### **LIB-303 Sampling and Testing Methods for Industrial Hygiene II**

3 credits

Course is designed to introduce and familiarize the student with methods to test and sample various items in the workplace. Hands on use of IH (industrial hygiene) equipment will be used. Prerequisites: General CHEM I and II, BIO or physics and math including statistics. Prerequisite: LIB-202.



# COURSE DESCRIPTIONS

## LIB-304 Legal Aspects of Health and Safety

3 credits

This course will familiarize students with the various laws and regulations the safety professional must achieve compliance with and know. Occupational Safety and Health Administration (OSHA), Environmental Protection Agency (EPA), Nuclear Regulatory Agency (NRC), NJ Department of Health (DOH), and worker's compensation and risk will be discussed.

## LIB-305 Worker's Compensation and Risk Management

3 credits

A course for undergraduate environmental science students, as well as health and safety professionals. Course considers worker's compensation and risk management in industrial government settings.

## LIB-306 Safety Training Program Development

3 credits

Course will provide tools in evaluating and identifying training program needs and review critical safety training elements using 29 CFR 1910. Students will gain valuable experience in outlining, organizing, and presenting safety programs.

## LIB-310 Legal Research and Writing

3 credits

This course provides the student with an introduction to the methods and tools of legal research and to the analytical and stylistic basics of legal writing. The end product of the course will be a memorandum of law, such as an attorney, law clerk, or paralegal might prepare in a law firm, corporate legal department, judge's chambers, or government regulatory agency.

## LIB-311 Paralegal Studies I

3 credits

This course provides the student with an introduction to the litigation process, legal terminology, documents, ethics, and evidentiary predicate. The student will be able to act as a paralegal for a practicing attorney and/or law firm whom functions in a representative capacity on behalf of clients. Such representation includes civil and criminal court systems.

## LIB-312 Paralegal Studies II

3 credits

This course provides the students with an intensive understanding of core subject matter needed to assist a practicing attorney. Such core subject matter includes a practical understanding of Contract Law, Intentional Torts, Negligence and courtroom evidentiary issues. Also the student will become versed in conducting investigations, legal analysis of various fact patterns and hypotheses as well as an in-depth knowledge of how court systems function. Prerequisite: LIB-311 or equivalent.

## LIB-400 Seminar in Liberal Studies

3 credits

A critical examination of the tradition of Western humanism and the way it has been transmitted through liberal arts education. Deals with a variable set of permanent problems in humanistic debate and learning – e.g., specialization, the need for unifying theories of knowledge, the purpose of history, the place of intellectual life in mass society, the meaning of freedom, the modern problem of alienation, the responsibilities of the university, etc. Emphasis on why and how such problems have been addressed rather than any presumptive solutions.

## LIB-490 Independent and Supervised Study

Independent and Supervised Study is available to CCS students for special study projects. Students must have completed a minimum of 45 credits applicable to a Rider degree and a minimum of 12 credit hours at Rider with a GPA of 2.5 or better. Each project may be taken for one-four credits and a maximum of six credits may be applied to the associate degree, 12 credits to the bachelor degree.

## Management and Human Resources (MGT)

### MGT-201 Fundamentals of Management and Organizational Behavior

3 credits

This course deals with the fundamentals of organizational behavior as they relate to management such as motivation, communications, and leadership. Behavior is examined at the individual, group, and organizational level. The management functions of planning, organizing, leading and controlling are addressed. The effects of global operations and the requirements of ethical behavior on managers are also explored.

### MGT-310 Introduction to Human Resource Management

3 credits

This course deals with the nature of human resource management, its functions, procedures, and practices currently found in profit, non-profit and public sector organizations. Topics covered include recruiting and selection, training, human resource development, equal employment opportunity, performance appraisal, diversity, job analysis, compensation, and employee rights and discipline. Prerequisite: MGT-201 or permission of instructor.

### MGT-312 Introduction to Labor Relations

3 credits

This course deals with the relationship of labor unions and management, the fundamentals of collective bargaining, and labor legislation. The structure and growth of unions as well as the relationships and problems that exist among private and public sector organizations, the labor force, and government are surveyed. Prerequisite: MGT-310 or permission of instructor.

### MGT-313 Legal Aspects of Human Resource Management

3 credits

This course deals with the various laws that affect human resource management, including social insurance, legislation, minimum wage laws, OSHA, ERISA, as well as equal employment opportunity legislation. This course is concerned not only with the provisions of these laws, but also with their constitutionality, their effects, and how they are administered. Prerequisite: MGT-310 or permission of instructor.

# COURSE DESCRIPTIONS

## **MGT-315 Employee Selection and Training**

3 credits

This course explains the processes involved in selecting and training employees. With regards to selection, attention is given to important issues that arise in the selection of employees. Some specific examples include, evaluating applicant credentials, administering pre-employment tests and complying with equal employment opportunity legislation. With regards to training, topics include assessing the need for training, designing effective training programs, utilizing methods such as technology to deliver training, and evaluating the effectiveness of training programs. Course topics and events are presented chronologically as they would occur in an organization, with employee selection occurring first and training to address employee improvement opportunities occurring second. Prerequisite: MGT-310.

## **MGT-316 Compensation Administration**

3 credits

A study of the techniques of job analysis as well as the various methods of job evaluation to establish base rates in industry, government, and nonprofit institutions. The wage and salary structure as well as the wage and salary level are analyzed. Also studied are current trends in the compensation of hourly and salaried employees, including benefits, in both the public and private sectors. Prerequisite: MGT-310.

## **MGT-320 Managing Workforce Diversity**

3 credits

Demographic shifts, changing patterns of labor force participation, global competition, and a growing cultural emphasis on the celebration of difference have all contributed to the creation of diversity as a hot topic in management. This course explores the opportunities and challenges of the increasingly diverse workforce emerging in the United States today. We will address the knowledge and skills managers must develop in working with others who are different from themselves. Some of these differences are obvious – gender, race, age, and physical characteristics. Other differences are not as easily observed – family structure, educational level, social class, and sexual orientation. This class incorporates experiential learning techniques for personal growth. Prerequisite: MGT-201 or permission of instructor.

## **MGT-336 Career Management**

3 credits

How careers are shaped by individual needs and experience and assisted by organization systems and practices is the focus of this course. The meaning of work and the development of careers are discussed, and students undertake self-assessment for the purpose of career planning. Careers are examined in the context of important changes occurring today in the world of work. The impact of the executive, organizational counselors and trainers, and the educational system upon the development of human potential is examined, along with the techniques for human resource planning and development. Prerequisite: MGT-201 or permission of instructor.

## **MGT-346 Negotiation**

3 credits

The purpose of this course is first, to explore the major concepts and theories behind effective negotiating practices and second, to develop negotiating skills applicable to a wide range of contexts. A knowledge of negotiation is a crucial requirement for anyone interested in a business career since it is a common mechanism for implementing change and for resolving conflict in the workplace. This course will provide both conceptual knowledge and practical skills in the art of negotiation. Topics will include two-party negotiations, power and politics, mediation, arbitration, and collective bargaining. A variety of teaching techniques will be used including readings, discussion, and role-playing. Prerequisite: MGT-201 or permission of the instructor.

## **MGT-348 Small Business Management**

3 credits

The role of small business in the American economy is examined. Favorable practices, policies, functions, principles and procedures of and for the small business entrepreneur and owner-manager are studied. Includes learning a method to evaluate a new venture idea. Prerequisite: MGT-201 or permission of instructor and junior standing.

## **MGT-355 Team Management**

3 credits

This course prepares students to work in organizations that use teams as an integral part of their functioning—an increasingly common practice. The class involves intensive group interaction, focusing on individual growth in group settings. Working with other students in role-plays, exercises, and team assignments allows the student to develop better communication and leadership skills. Prerequisite: MGT-201 or permission of instructor.

## **MGT-363 Management Skills**

3 credits

The focus of this course is on specific skills necessary for success in a management role. These skills include leading, communicating effectively, delegating, conflict and time management and motivating others. Students will have opportunities to practice skills and to apply their knowledge to business cases. Prerequisite: MGT-201 or permission of instructor.

## **MGT-375 International Management**

3 credits

This course explores the ways in which culture impacts management practices and organizational behavior and dynamics. Topics include cross cultural communication, expatriate selection and training, leading and motivating cross cultural teams, developing organizational strategies to compete in a global market place, international business ethics, and so forth. Prerequisite: MGT-201.

## **MGT-421 Selected Topics in Management and Organizational Behavior**

3 credits

The seminar focuses on an area of study announced at the time of registration (students should check the registration material). Examples of possible topics are: TQM, diversity, leadership, motivation, etc. Prerequisites vary according to the topic and are listed in the registration material. Prerequisite: MGT-201 or permission of instructor.

# COURSE DESCRIPTIONS

## **MGT-441 Selected Topics in Human Resource Management**

3 credits

Deals with one area of study in the field of human resource management such as protective labor legislation, mediation and arbitration, the administration of labor unions, or case problems in human resource management. The topic varies each semester and is announced at the time of registration. Prerequisite: MGT-310 or permission of instructor.

## **MGT-448 Seminar in Small Business Consulting**

3 credits

This course utilizes student teams to assist existing small businesses in solving problems or researching opportunities. Students will spend the majority of time in the field utilizing an experiential learning approach. Weekly activity logs, proposal development, and project completion are required. Restricted to seniors. Prerequisite: MGT-348 and permission of instructor. spring

## **MGT-490 Independent Research and Study**

1-4 credits

Research proposals are initiated by the student, although the final topic must be approved by the professor and by the department chairperson. Available only for seniors. No more than four credits allowed toward graduation. Prerequisite: MGT-201 and permission of instructor.

## **MGT-491 Internship in Management and Leadership**

3 credits

Supplements classroom principles and theories by offering students the opportunity to work under the supervision of managers of Route 1 corridor companies and organizations. The internship program is designed to provide departmental majors with a first-hand look at the managerial role in medium to large organizations. Work-study programs are worked out between the organization and the instructor for each intern. It is expected that students will spend a minimum of eight hours per week working in selected organizations. Prerequisites: major in management and organizational behavior or human resource management and MGT-363, or senior status, and permission of the instructor.

## **MGT-492 Internship in Human Resource Management**

3 credits

Supplements classroom principles and theories by offering the student an opportunity to study under directors of industrial relations or human resource management of Delaware Valley companies. Work-study programs are worked out between company and instructor. A minimum of eight hours of internship per week during the semester and meetings with the instructor are required. Prerequisite: major in human resource management or management and organizational behavior, and MGT-310; senior status, and permission of instructor.

## **Management Sciences (MSD)**

### **MSD-104 Introduction to Quantitative Methods**

3 supplemental education units

A comprehensive review of basic algebra. Sets, the real number system, inequalities, absolute value, exponentiation and root extraction, algebraic manipulation, functions, linear and quadratic equations, and applications.

### **MSD-105 Quantitative Methods for Business I**

3 credits

Systems of linear equations, matrix algebra, linear programming, basic probability theory, and selected applications of mathematics to finance are covered. Students who take this course may not take MTH-105 for credit. Prerequisite: MSD-104 or a passing grade on the Math Placement Exam.

### **MSD-106 Quantitative Methods for Business II**

3 credits

An introduction to calculus. The limit, derivative, optima and integral of a function of one variable, as well as optimization of a function of two variables, are covered. Applications to problems in business and economics are discussed. Prerequisite: MSD-105 or equivalent.

### **MSD-110 Mathematics for Actuarial Science I**

3 credits

The first course in a three-course sequence designed to give the actuarial science student a solid foundation in calculus and linear algebra. This course focuses on the theory of differential calculus of a function of one variable. Topics include a review of algebraic and geometric preliminaries, the limit of a func-

tion, differentiation, applications of the derivative and an introduction to the integral. Important classes of functions studied in this first course include the polynomial, rational and trigonometric functions. fall

### **MSD-111 Mathematics for Actuarial Science II**

3 credits

This course focuses on single-variable integral calculus. Topics include techniques of integration, application of the integral, the logarithmic and exponential functions, infinite series and polar coordinates. Prerequisite: MSD-110 or equivalent. spring

### **MSD-112 Mathematics for Actuarial Science III**

3 credits

This course focuses on multivariate calculus and linear algebra. Topics include differentiation and integration in higher dimensions and their applications, three dimensional geometry, matrices, vector spaces and the eigenvalue problem. Prerequisite: MSD-111. fall

### **MSD-200 Statistical Methods I**

3 credits

Methods and applications of descriptive and inferential statistics are examined. Topics include graphical techniques, descriptive measures, random variables, sampling distributions, and estimation and hypothesis testing for the mean of one population. Prerequisite: MSD-105 or equivalent.

### **MSD-201 Statistical Methods II**

3 credits

A continuation of MSD 200. Topics include inference for proportions, comparison of two means, proportions and variances, simple linear regression, chi square tests, and the analysis of variance. Prerequisite: MSD-200.

### **MSD-320 Quantitative Methods in Business Forecasting**

3 credits

A study of the various quantitative techniques applicable to the problems of forecasting that occur in business and industry. Topics may include the regression techniques of causal modeling, as well as the moving average, exponential smoothing and Box-Jenkins approaches of time series analysis. All methods are illustrated with the use of realistic forecasts. Prerequisite: MSD-201 or MTH-341. fall

# COURSE DESCRIPTIONS

## **MSD-325 Applied Regression and Analysis of Variance**

3 credits

This course examines the use of applied linear statistical models to adequately describe practical relationships in business and economics. The implementation of a popular statistical computing package to analyze realistic data sets is an important component of the course. Topics include simple and multiple linear regression, model diagnostics and remedial measures, and the analysis of variance. Prerequisite: MSD-201 or MTH-341. spring

## **MSD-340 Production and Operations**

3 credits

This course introduces the concepts and techniques of designing and managing manufacturing and service systems and their operations effectively and efficiently. Major topics include product and process design, facility location, forecasting, aggregate planning, inventory management, material requirements planning, project management, just-in-time systems, quality assurance, linear programming, the transportation problem and queuing models. Current issues such as productivity, global competitiveness, and quality are also discussed. Prerequisites: MSD-105 or MSD-110, MSD-200 or MTH-340, MSD-201 or MTH-341.

## **MSD-350 Compound Interest Theory**

3 credits

A thorough treatment of the theory and applications of compound interest. Topics include the measurement of interest, elementary and general annuities, amortization schedules and sinking funds, and bonds and other securities. Prerequisite: MSD-112 or equivalent. spring

## **MSD-440 Life Contingencies I**

3 credits

The first of a two-semester survey of the principles of life contingencies with application to life insurance practice. Topics include survival distributions, life insurance, life annuities, benefit premiums and benefit reserves. Prerequisite: MSD-112, MTH-340 and MSD-350. fall

## **MSD-441 Life Contingencies II**

3 credits

The second of a two-semester survey of the principles of life contingencies with application to life insurance practice. Topics include analysis of benefit reserves, multiple life functions, multiple decrement functions, and insurance models with expenses. Prerequisite: MSD-440. spring

## **MSD-490 Independent Research and Study**

3 credits

Topic to be approved by professor and department chairperson. Available for juniors and seniors. No more than 12 credits allowed toward graduation.

## **MSD-491 Summer Management Sciences Internship**

3 credits

An honors course that provides the student with approximately two months of supervised employment with participating companies. Students are given a variety of work experiences. They are required to complete a term paper and to make an oral presentation to the faculty. Pass/fail. Prerequisite: permission of instructor. summer

## **Marketing (MKT)**

### **MKT-200 Marketing Principles**

3 credits

Market characteristics, consumer buying habits and motives, functions of marketing, and the fields of retailing and wholesaling—including the role of intermediates—are examined. Concepts and current practices in product development, pricing, promotion, distribution, and international marketing are studied.

### **MKT-305 Social Issues in Marketing**

3 credits

Investigation, through discussion and readings, of the relevance and role of marketing in influencing social change. Emphasizes the social responsibility of the marketing system. For students with majors in marketing and business and others who wish to broaden their educational exposure. No prior marketing courses required.

## **MKT-310 Business to Business Marketing**

3 credits

The practices and policies used in the marketing of goods and services to business and industrial buyers are analyzed, focusing on the market and the demand for products, marketing research, product planning, channels of distribution, pricing policies and practices, and the development of sales programs and service policies. Prerequisite: MKT-200.

## **MKT-320 Consumer Behavior**

3 credits

The nature and determinants of consumer behavior are studied, with attention given to the influence of socio-psychological factors such as personality, small groups, demographic variables, social class, and culture on the formation of consumer attitudes, consumption patterns, and purchasing behavior. Required for advertising majors.

## **MKT-330 International Marketing**

3 credits

The role of enterprise, comparative marketing and transport institutions and systems, and comparative marketing organizations and systems of administration in selected foreign countries and the United States is assessed. The managerial and operational problems of world enterprise, with emphasis on the role of ethnic and cultural differences in influencing marketing strategy, are discussed. Prerequisite: MKT-200.

## **MKT-340 Personal Selling**

3 credits

Examines persuasive techniques utilized in sales presentations conducted on a person-to-person basis. Major course emphasis is on developing effective selling techniques; understanding the company, its products and the role of the salesperson in implementing product/market strategies; understanding the customers and the selling environment; application of effective sales presentation techniques; recognizing selling opportunities and careers.

## **MKT-350 Retailing Management**

3 credits

The principles underlying successful retailing are analyzed within the framework of the strategic-planning process. Topics covered include location, merchandise planning, customer service, image, atmosphere, layout, pricing, promotion, personnel and operations management.



# COURSE DESCRIPTIONS

## **MKT-360 Services Marketing**

3 credits

Focuses on the unique challenges of managing services and delivering quality service to customers. Emphasis is placed on the total organization, and how effective marketing and customer focus must be coordinated across multiple functions. The course is applicable to service organizations and to organizations that depend on service excellence for competitive advantage. Topics include customer-focused management, and customer satisfaction, retention, lifetime value and profitability. Students will learn to map services, understand customer expectations, and develop relationship marketing strategies.

## **MKT-366 Marketing Research**

3 credits

Topics include specific research procedures in gathering, processing, analyzing, and presenting information relevant to marketing problems: advertising planning and effectiveness; product development; distribution channels; sales techniques; consumer behavior; and forecasting. Student learning about research planning, implementation, and interpretation is facilitated by the use of projects or cases. Prerequisites: MKT-200; MSD-200, MSD-201; junior standing. Required for marketing and advertising majors.

## **MKT-380 Healthcare Marketing**

3 credits

The purpose of this course is to introduce students to the role, functions and tasks of healthcare marketing. Attention is devoted to applying basic marketing principles to the healthcare sector. Marketing decision making and analysis will be emphasized through the use of cases and current readings that focus on a variety of healthcare organizations, including hospitals, assisted living facilities, MCOs and pharmaceutical companies.

## **MKT-406 Marketing Research Project**

3 credits

An opportunity for continued learning about marketing research, primarily through implementation of an actual research project. The course focuses on the application of material learned in MKT-366, but extends learning through lectures, discussions, or experiential exercises in all areas of research methodology, including research design, instrument creation, data collection and analysis, and report preparation. Prerequisite: MKT-366 and senior standing.

## **MKT-440 Sales Management**

3 credits

By means of lectures, discussions, and case studies, the field of marketing management is analyzed from the viewpoint of sales executives. The responsibilities for planning and administering personal selling operations are emphasized. Considerable attention is given to other activities for which sales executives may be wholly or jointly responsible, such as decision making on promotion and brand management. Prerequisites: MKT-200 and senior standing.

## **MKT-460 Marketing Management Seminar**

3 credits

This capstone course for marketing majors employs a top management approach to the overall marketing task, including planning, organizing, controlling, and integrating all the activities of the marketing department. Integration of marketing with other operations of the business unit is emphasized. Major problems and current trends are identified and analyzed through case discussion. Prerequisite: marketing major and 15 semester hours of marketing. Required for marketing majors.

## **MKT-469 Selected Topics in Marketing**

3 credits

The study of a topic (or combination of topics) that represents some dimension of marketing or has important and direct implications for marketing management. Theoretical foundations as well as special applications of marketing decision making may be explored. Readings, research, lectures, discussions, or other appropriate methods are employed to stimulate student learning. Prerequisite: senior standing or permission of instructor.

## **Mathematics (MTH)**

A passing grade on the Mathematics Placement Test, or a minimum score of 550 on the mathematics section of the SAT, or completion of MTH-100S Math Skills Lab, is required for admission to MTH-102 Elements of Finite Math. A passing score on the Mathematics Placement Test and on the algebra section of the Mathematics and Science Major Placement Test, or a minimum score of 550 on the SAT, together with a passing score on the algebra section of the above test, or completion of MTH-100S Math Skills Lab together with a passing score on the algebra section is required for admis-

sion to MTH-105 Algebra and Trigonometry. Passing scores on the Mathematics Placement Test and on the algebra and pre-calculus sections of the Mathematics and Science Major Placement Test, or a minimum score of 550 on the SAT, together with passing scores on the algebra and pre-calculus sections, or completion of MTH-100S Math Skills Lab, together with passing scores on the algebra and pre-calculus sections, or completion of MTH-105 Algebra and Trigonometry, is required for admission to MTH-210 Calculus I.

## **MTH-100S Math Skills Lab**

1 supplemental education unit

The Math Skills Lab helps students master arithmetic and elementary algebra necessary for college level mathematics courses. Students in the College of Liberal Arts, Education, and Sciences who do not pass the Mathematics Placement Test are required to complete the Math Skills Lab successfully before enrolling in liberal arts mathematics courses. Students are required to attend regular class sessions. Students have access to tutors, computer-assisted instruction, and structured workshops. The one supplemental education unit does not count toward graduation; grading is done on a Y/Z (pass/not pass) basis.

## **MTH-102 Elements of Finite Mathematics**

3 credits

The course begins with consolidation of some basic topics including sets, number theory, real numbers, functions and graphs. Statistics and probability theory are introduced with applications to the social and natural sciences. Throughout the course there will be an emphasis on formulating and solving familiar sorts of problems in mathematical terms. Prerequisite: see note under mathematics heading.

## **MTH-105 Algebra and Trigonometry**

4 credits

Algebraic functions, trigonometric functions, identities and conditional equations, inequalities, exponential and logarithmic functions. Students who take MTH-105 may not take MSD-105 for credit. Prerequisite: see note under mathematics heading.

# COURSE DESCRIPTIONS

## **MTH-120 Introduction to Applied Statistics**

3 credits

Collection and presentation of data. Measures of location and variation, sampling theory, hypothesis testing, confidence intervals, t-tests, chi-square tests, regression, and correlation. Emphasizes practical applications. Prerequisite: MTH-102 or MTH-105. Not open to business administration, chemistry, environmental geosciences, marine sciences, math, physics or liberal studies: marine ecological or environmental emphasis majors. spring

## **MTH-210 Calculus I**

4 credits

Introduces analytic geometry, functions, limits, and derivatives; differentiation of algebraic and trigonometric functions, curve sketching, maxima and minima, and higher derivatives. Prerequisite: MTH-105 or placement by examination.

## **MTH-211 Calculus II**

4 credits

The definite integral, differentiation of transcendental functions, methods of integration and approximate integration, determination of area, volume and surface area. Prerequisite: MTH-210.

## **MTH-212 Calculus III**

4 credits

Infinite series; functions of two and three variables, vectors and tangent planes, partial derivatives, multiple integrals, determination of volume and density. Prerequisite: MTH-211.

## **MTH-230 Discrete Mathematics**

4 credits

An introduction to topics in Discrete Mathematics. This course covers methods of proof, induction and recursion, and other topics in discrete mathematics. Topics may include graph theory, trees and symmetry groups. Prerequisite: MTH-102, MTH-105 or MTH-210.

## **MTH-240 Linear Algebra**

3 credits

Systems of linear equations; vector spaces; linear independence; determinants; orthogonality; linear maps; eigenvectors. Pre- or corequisites: MTH-210; sophomore standing; or permission of instructor. fall

## **MTH-250 Differential Equations**

3 credits

First order differential equations, separable and exact; integrating factors; second order linear differential equations; series solutions of second order linear differential equations; higher order equations; existence and uniqueness theorems; systems of linear differential equations. Prerequisites: MTH-240, MTH-211. Pre- or Corequisite: MTH-212. spring

## **MTH-308 Advanced Calculus**

3 credits

Vectors, gradients, and directional derivatives, Lagrange multipliers, Taylor's theorem, multiple integrals, change of variables, line and surface integrals, Stokes' theorem. Prerequisites: B average in MTH-210 and MTH-211; MTH-212, MTH-240. fall

## **MTH-315 Modern Geometry**

3 credits

Covers geometry from a modern point of view, with emphasis on non-Euclidean geometry, particularly projective geometry. Prerequisites: MTH-211, MTH-240. spring

## **MTH-340 Probability and Statistical Analysis I**

3 credits

Theory of sets and probability; discrete and continuous random variables and probability distributions. Emphasizes foundations and utilizes the techniques of the calculus. Prerequisite: MTH-212 or MSD-111. fall

## **MTH-341 Probability and Statistical Analysis II**

3 credits

Continuation of MTH-340. Foundations of mathematical statistics: normal distributions, estimation, confidence intervals and hypothesis testing; topics chosen from student's t-test, chi-square tests, analysis of variance and regression analysis. Emphasizes foundations and utilizes the techniques of the calculus. Prerequisite: MTH-340. spring

## **MTH-401 Modern Algebra**

3 credits

Provides an introduction to modern abstract algebra. It emphasizes the axiomatic method to analyze the major algebraic systems. The instructor will choose the topics to be studied from among the following algebraic structures: integral domains, fields, complete ordered fields, groups, polynomials, rings, ideals and modules. Prerequisite: MTH-240. fall

## **MTH-402 Topics in Advanced Mathematics**

3 credits

Chosen from advanced pure or applied mathematics. Topics vary, depending on instructor. Prerequisite: MTH-308.

## **MTH-410 Complex Analysis**

3 credits

Analytic functions, conformal mapping, power series, Cauchy's theorem, calculus of residues. Prerequisite: MTH-308. spring

## **MTH-420 Number Theory**

3 credits

Covers topics including divisibility theory, the prime numbers, the theories of congruences and of quadratic reciprocity, and Fermat's Last Theorem. Other topics may also include applications to cryptography, Pell's equations, continued fractions, and the theory of partitions. Prerequisite: MTH-240 or permission of instructor.

## **MTH-430 Introduction to Topology**

3 credits

A comprehensive introduction to elementary topology. The concepts of topological spaces and metric spaces will be introduced. Connectedness, compactness and properties of subsets of the real numbers rooted in topology will also be considered. The quotient topology will be used to construct surfaces as identification spaces, and tools will be developed to distinguish one surface from another. Prerequisite: MTH-212.

## **MTH-440 Real Analysis**

3 credits

Covers the theory of sets, the real number system and its properties, convergence of sequences and series of numbers and functions, and the theory of integration, including: measure theory, the Riemann integral, and introduction to the Lebesgue theory of integration. Pre- or Corequisite: MTH-308.

## **MTH-490 Independent Research and Study**

1-4 credits

# COURSE DESCRIPTIONS

## Multicultural Studies (MCS)

### MCS-110 Race, Class and Gender in Contemporary American Society

3 credits

This interdisciplinary course analyzes the ways in which race, class, gender and ethnic relationships shape the experience of all persons in this society. It examines the categories of race, class and gender as social constructs that have been historically developed and sustained by economic, social, political and cultural factors.

### MCS-220 Issues in Multicultural Studies

3 credits

An examination of issues and questions posed by the existence of diversity in social life. Students build on what they have learned in MCS-110 by focusing in greater depth on selected aspects of multicultural interaction. Topics change each semester and are listed in the course roster. Recent topics include "Understanding Privilege," "The Meaning of Difference," and "Narratives of Human Difference: Science, Politics, Literature." Prerequisite: MCS-110 or permission of instructor.

### MCS-280 Directed Study in Multicultural Studies

1-4 credits

An intensive study experience in multicultural studies. The student designs and carries out a course of focused study under the supervision of a multicultural studies faculty member. The student's proposed plan of work must be reviewed and approved by the faculty sponsor and by the multicultural studies advisory committee. May be repeated once for credit.

### MCS-491 Internship in Multicultural Studies

1-4 credits

A supervised community service of work experience at an approved site. Placements are made in accordance with each student's particular theme within multicultural studies. A minimum of three hours per week on site per credit (39 hours per semester); in addition, students complete readings and reports and meet weekly with the instructor. Primarily for multicultural studies minors in their junior or senior year.

## Philosophy (PHL)

All philosophy courses have small weekly discussion classes to help the student question, interpret, and critically analyze the course material.

### PHL-100 Plato and Aristotle

3 credits

The beginnings of Western scientific and humanistic thought among the early Greeks and their progress into the two great systems of Plato and Aristotle. Selections from Plato and Aristotle are read and discussed to determine the meaning and significance of philosophical ideas that have subsequently influenced the whole history of Western civilization.

### PHL-100 Freshman Seminar in Plato and Aristotle

3 credits

Limited to 16 freshmen who are introduced to philosophy through careful and intensive readings of selected texts of Plato and Aristotle, writing a series of analyses and critiques of these texts, and presenting papers and critiques of other students' papers orally in tutorial situations.

### PHL-101 Logic and Language

3 credits

A study of the logical structure of argumentation in ordinary language, with the emphasis on the relation of logic to the uses of language in practical affairs. Traditional informal fallacies are studied as well. Discussions explore the nature of validity, truth, meaning, and evidence in relation to the evaluation of arguments.

### PHL-101 Freshman Seminar in Logic and Language

3 credits

Limited to 16 freshmen who are introduced to the study of the logical structure of argumentation in ordinary language. Emphasis on the relation of logic to the uses of language in practical affairs, as well as a study of traditional informal fallacies. Students write a series of analyses and critiques of arguments, as well as present papers and critiques in tutorial situations.

### PHL-115 Ethics

3 credits

A combined historical and systematic analysis of the problems of ethics. Such problems as the nature and meaning of moral values and judgments, moral responsibility and freedom, conscience and happiness, the good life, and the relativity of value, are explored

through the writings of such philosophers as Plato, Aristotle, Aquinas, Kant, Mill, and Nietzsche.

### PHL-115 Freshman Seminar in Ethics

3 credits

Limited to 16 freshmen who are introduced to philosophy through a combined historical and systematic analysis of the problems of ethics. Such problems as the nature and meaning of moral values and judgments, moral responsibility and freedom, conscience and happiness, the good life, and the relativity of value are explored through the writings of such philosophers as Plato, Aristotle, Aquinas, Kant, Mill, and Nietzsche. Students write a series of analyses and critiques of selected works, as well as present papers and critiques in tutorial situations.

### PHL-120 American Philosophy

3 credits

The development of philosophical thought in the United States from the colonial era to the 20th century. Studies such thinkers as Edwards, Jefferson, Emerson, Thoreau, Peirce, James, Dewey, and King, and their ideas on human nature, free will, religion, morality, and politics.

### PHL-202 Social Philosophy

3 credits

Emphasizes social ethics through critical studies of such contemporary problems as abortion, euthanasia, the death penalty, pornography and censorship, animal rights, drug use, sexual morality, environmental ethics, and world hunger.

### PHL-203 Business Ethics

3 credits

Surveys and examines ethical problems concerning the institutions and practices of contemporary business. Problems considered include: the conflicts of economic freedom and social responsibility; the relation of profits to work and alienation; the responsibilities of business to employees, minorities, consumers and the environment; the role of truthfulness in business practices; and the ethics of self-fulfillment and career ambitions. Readings selected from works of contemporary and historical philosophers, social theorists, and business people.

# COURSE DESCRIPTIONS

## **PHL-205 Hellenistic and Medieval Philosophy**

3 credits

The development of European philosophy from the Epicurean and Stoic philosophies of the Graeco-Roman world to the nominalism of William of Occam. Emphasizes the problem of philosophical knowledge, selected metaphysical questions, and the development of Scholasticism. The works of Plotinus, St. Augustine, Anselm of Canterbury, Abelard, Thomas Aquinas, Duns Scotus, and William of Occam are read and discussed.

## **PHL-207 Asian Philosophy**

3 credits

A survey of the principle philosophical traditions of Asia from ancient times to the present, with an emphasis on the relationship between Asian religion and philosophy. Readings from the Indian tradition focus on philosophical developments relating to Hinduism, Buddhism, and Jainism. Readings from the East Asian tradition focus on philosophical issues in Chinese Confucianism and Taoism. Also includes an examination of the development of Zen Buddhism in China and Japan.

## **PHL-210 Symbolic Logic**

3 credits

An introduction to logic from the standpoint of modern symbolic methods, including techniques of formal deductive proof, quantification, the logic of relations, and properties of formal deductive systems. Discussions focus on philosophical issues in recent and contemporary logical theory.

## **PHL-225 Modern Philosophy**

3 credits

Examines one of the most exciting periods in the history of philosophy during which philosophers from Descartes to Kant tried to come to terms with the following questions: What is knowledge? Can we know the physical world exists? Can we have scientific knowledge? Can we know God exists? Can we even know whether we exist? The works of Descartes, Leibniz, Spinoza, Locke, Berkeley, Hume and Kant are read and discussed.

## **PHL-226 19th-Century Continental Philosophy**

3 credits

Studies the nature and meaning of freedom, individuality, and society in the writing of Hegel, Schopenhauer, Kierkegaard, Marx, and Nietzsche. Examination of the central concepts of alienation, dialectic, and history in Hegel and Marx, as well as of the foundations of existentialism in Kierkegaard and Nietzsche.

## **PHL-230 Philosophy of the Sexes**

3 credits

Studies philosophical views of the differences between the sexes, sexual equality, love, marriage, and the family from ancient Greece to the 20th century. Texts from the contemporary women's and men's movements will also be examined.

## **PHL-245 Philosophies of Education**

3 credits

Studies classical and contemporary theories of the nature, structure, and aims of education, including major works of such philosophers as Plato, Rousseau, and Dewey. The course will also introduce students to methods of critical philosophical analysis.

## **PHL-250 Political Philosophy**

3 credits

An introduction to the problems of political philosophy with an emphasis on recent and contemporary issues, such as the conflict between liberal and conservative ideologies, fascism, revolution, civil disobedience, and the concept of legitimate political authority.

## **PHL-252 The Nature of Art**

3 credits

An inquiry into the nature of art, creativity, aesthetic experience, and value. Special attention to the importance of art in relation to the nature of man and society. Readings from classical theories of art (Plato, Hegel, Schopenhauer, Croce, Santayana), as well as from contemporary analyses of 20th-century art.

## **PHL-255 American Ethics**

3 credits

The study of selected frameworks and problems in American ethics from the Puritans to the present. Such topics as: predestination, natural rights, civil disobedience, ethical relativity, ethical disagreement, abortion, and other problems will be discussed in class. Such thinkers as Edwards, James, Emerson, Dewey, Royce, Rawls, and others will be read and discussed in class.

## **PHL-300 Philosophy and Civilization**

3 credits

An investigation of the rise and fall of civilizations in history, studying philosophical questions such as is history cyclical? Linear? Progressive? Directed toward a final goal? What is the role of the individual in history? Of economic, political, sociological, and psychological causes? Does history have a meaning?

## **PHL-303 Philosophy of Law**

3 credits

An examination and analysis of selected topics including classical and contemporary theories in the philosophy of law and moral philosophy. Such topics as the nature of the law and legal reasoning, the legal enforcement of morality, protection of personal liberty, and the moral justification of punishment are considered. Such philosophers as Aquinas, Austin, Holmes, Bentham, Hart, and Dworkin are read and discussed.

## **PHL-304 Medical Ethics**

3 credits

Introduces the student to ethical problems associated with the practice of medicine, the pursuit of biomedical research, and health care social policy. The course will explore such issues as: Is a physician morally obligated to tell a terminally ill patient that he or she is dying? Is society ever justified in enacting laws that would commit an individual, against his or her will, to a mental institution? Does society have a moral obligation to ensure that all its members have access to health care? To what extent, if at all, is it ethically acceptable to clone a human being? Under what conditions is human experimentation ethically acceptable?

## **PHL-305 Philosophy of Religion**

3 credits

An inquiry into the meaning, significance, and fundamental problems of religion as they appear in their philosophical perspective. The relation between religion and science, between faith and reason; religious experience, religious truth, and symbolism, etc. Selections from the works of Anselm, Aquinas, Augustine, Paley, Hume, Kant, James and Wittgenstein. May also include selections from Asian religious traditions as well as the Judeo-Christian-Islamic tradition.



# COURSE DESCRIPTIONS

## PHL-306 Philosophy of Language

3 credits

Theories of language that raise philosophical problems such as the nature of meaning, the adequacy of language, the origin of language, and the relation between language and reality, action, thought, and feeling are considered.

## PHL-310 Problems in 20th-Century Philosophy

3 credits

Consideration of major philosophical movements in the 20th century such as phenomenology, existentialism, pragmatism, and analytic philosophy. Within these movements such topics as the function of analysis, language and meaning, the nature of values, the nature of persons, the synthetic-analytic distinction, the mind-body problem, and the possibility of metaphysics are considered. The work of such figures as Wittgenstein, Russell, Heidegger, Husserl, Sartre, Whitehead, and Dewey are read and discussed.

## PHL-315 Existentialism

3 credits

Historical development and contemporary problems of existentialism with emphasis on the nature of man, his ability to know his situation, the relation between existence and essence, and the meaning of human life and activity. The works of such figures as Kierkegaard, Sartre, Heidegger, Camus, Kafka, Beckett, Buber, Laing, and Frankl.

## PHL-320 Philosophy of Science

3 credits

The logic of fundamental concepts of science and scientific methods are studied. Patterns of explanation are examined to understand the functions of laws, theories, and predictions in science. Inquiry is made into the relation between mathematics and empirical science; similarities and distinctions between the natural and social sciences. The role of science in human affairs and the value of scientific knowledge.

## PHL-334 Theories of Knowledge

3 credits

An investigation of selected, representative theories of knowledge from classical and contemporary sources. Considers the analytic-synthetic distinctions, necessary truth, and the foundations of empirical knowledge. Such philosophers as Leibniz, Hume, Kant, Russell, and Quine are read and discussed.

## PHL-336 Philosophy of Mind

3 credits

The nature, existence, and capacities of the mind and self in the light of recent philosophical and psychological theories, including psychoanalysis and behaviorism. Considers such topics as the interaction of mind and body, the unconscious, minds and machines, freedom of thought and action.

## PHL-343 Theories of Reality

3 credits

An inquiry into the nature of reality. An examination of such metaphysical problems as: the relation between mind and matter, freedom and determinism, the essence and existence of God, substance and process, the nature and limits of metaphysical knowledge. The writings of such classical and recent figures as Plato, Aristotle, Descartes, Kant, Hegel, Bergson, Whitehead, Ayer, and Collingwood are read and discussed. Sources from the Indian philosophical tradition may also be read and discussed.

## PHL-348 Indian Philosophy

3 credits

Consideration of major movements in the philosophical tradition of India. Emphasis on the disputes between the traditional Hindu and Buddhist schools of the classical period over issues in logic, epistemology, and metaphysics. Topics include: the cognitive value of mystical experience, skepticism, the problem of universals, realism and idealism, the nature of perception, the problem of induction, and the problem of personal identity. Philosophers such as N\_g\_rjuna, Vasubandhu, V\_tsy\_yana, Uddyotakara, Dharmak\_rti, Udayana, and Gangesa will be read and discussed.

## PHL-360 Contemporary Ethics

3 credits

Explores recent and contemporary approaches to ethics, value-theory, and normative discourse. Such problems as the meaning and cognitive status of value-judgments, the relation between fact and value, the relativity of values, and how value-beliefs can be justified are considered. Such philosophers as Dewey, G.E. Moore, C.L. Stevenson, C.I. Lewis, and R.M. Hare are read and discussed.

## PHL-402 Nietzsche and Nihilism

3 credits

A seminar dealing with Nietzsche's provocative ideas on Nihilism and the possibility of creating meaning, value, and truth for human existence. Many of his important works are read, analyzed, and critically discussed. Recent scholarly interpretations of Nietzsche's philosophy are considered. Prerequisite: any previous philosophy course or permission of instructor.

## PHL-404 The Philosophy of Wittgenstein

3 credits

Seminar involving a concentrated study of Wittgenstein's contributions to philosophy with special attention to his analysis of language, meaning, and mental concepts. Prerequisite: any previous philosophy course or permission of instructor.

## PHL-406 The Philosophy of David Hume

3 credits

Seminar involving a concentrated study of Hume's contributions to philosophy, including his work on epistemology, metaphysics, ethics, philosophy of science, and philosophy of religion. Prerequisite: any previous philosophy course or permission of instructor.

## PHL-407 The Philosophy of Hannah Arendt

3 credits

Seminar involving a concentrated study of the philosophy of Hannah Arendt with special attention to her analysis of action, thought, and freedom. Prerequisite: any previous philosophy course or permission of instructor.

## PHL-490 Independent Research and Study

1-4 credits

## PHL-491 Internship in Philosophy

1-4 credits

Students will work under supervision within an area hospital, corporation, or legal agency. The specific duties and tasks will be developed jointly by the intern, intern agency, and faculty supervisor. Within the hospital setting, students will work with the Hospital Medical Ethics Committee. Within the corporate setting, there will be two types of internships: students will work in the corporate office responsible for addressing the ethical issues that arise in the business environment; or students will work in a department that allows them to explore the potential business applications of their philosophic

# COURSE DESCRIPTIONS

intellectual training. Within the legal setting, students will work with the federal magistrate, prosecutor, or public defender, exploring issues in the philosophy of law that arise in the practice of law. The internship will be restricted to juniors and seniors with a minimum of 2.7 cumulative GPA and 3.0 GPA in philosophy, or permission of the department of philosophy. Students must have completed four philosophy courses, one at the 300 level, before applying for the internship. No more than six credits will be allowed toward graduation. A member of the department of philosophy will supervise the internship.

## **PHL-494 Preparation and Research for Senior Philosophy Thesis**

1 credit

## **PHL-495 Senior Philosophy Thesis**

3 credits

## **Physics (PHY)**

### **PHY-100 Principles of Physics I**

3 credits

Introductory noncalculus physics with applications for pre-professional, biology, and geological, environmental and marine sciences majors. Classical mechanics, energy, mechanical waves, fluid statics and dynamics, thermodynamics. Elements of modern physics are interwoven with those of classical physics from the beginning. Not open to chemistry, physics, or mathematics majors. Three lectures per week. Prerequisite: MTH-105, MTH-210, MTH-211 or MTH-212; corequisite: PHY-100L. fall

### **PHY-100L Principles of Physics I Laboratory**

1 credit

For students concurrently taking PHY-100. One three-hour lab per week. Corequisite: PHY-100.

### **PHY-101 Principles of Physics II**

3 credits

Continuation of Physics 100. Electrostatics, electricity, and magnetism; DC and AC circuits, physical and geometrical optics, introduction to elementary particle and quantum physics. Prerequisite: PHY-100; corequisite: PHY-101L. spring

### **PHY-101L Principles of Physics II Laboratory**

1 credit

For students concurrently taking Physics 101. One three-hour lab per week. Corequisite: PHY-101.

### **PHY-103 Science of Light and Color**

3 credits

An introduction to the science of light, color, and optics. Covers history of theories of light and vision, applications in art, photography, natural phenomena (rainbows, mirages, etc.), and modern technology, e.g., lasers and telecommunications. Many topics are illustrated by in-class demonstration experiments with lasers and other optical devices.

### **PHY-104 Energy, the Environment, and Man**

3 credits

The many vital roles played by energy in the universe at large, on the earth, and in the activities of man are examined, including the basic sources of energy, the impact upon the environment due to these processes and possible future sources. A high school course in physics or chemistry is desirable but not necessary.

### **PHY-105 Matter, Forces and Energy: An Exploration of Physics Concepts**

4 credits

An introduction to the basic principles of physics focusing on the concepts of matter, force, and energy. The course will study, in depth, simple physical systems chosen to emphasize the interconnection of these three basic concepts. It will explore the behavior of these simple physical systems using directed group exercises coordinated with hands-on laboratory activities. One three-hour lecture and one three-hour laboratory per week.

### **PHY-180 Astronomy**

3 credits

Examines mankind's quest to understand the origin and form of the universe. Emphasis on the ideas of modern cosmology and their impact on our changing perception of our place in the universe, making use of information gleaned by simply looking at the night sky as well as post Apollo-era views of the solar system and the evolving universe as a whole.

### **PHY-200 General Physics I**

4 credits

Introductory classical physics; Newtonian mechanics, including the conservation laws, wave motion, gravity, thermodynamics. Three lectures and one three-hour laboratory per week. Prerequisite: MTH-210 or concurrent enrollment. fall

### **PHY-201 General Physics II**

4 credits

A continuation of the concepts developed in Physics 200. Electricity, electrical circuits, magnetism, Maxwell's equations. Light and optics, including lenses, interference, and diffraction. Three lectures and one three-hour laboratory per week. Prerequisites: PHY-200, MTH-211 or concurrent enrollment. spring

### **PHY-203 Introduction to Modern Physics**

3 credits

Covers space-time relativity, elementary particles, and basic quantum mechanics, including solutions of the Schrodinger wave equation. Applications of quantum theory in atomic, nuclear, and solid-state physics. Prerequisite: PHY-201 or permission of instructor.

### **PHY-300 Mechanics**

3 credits

Kinematics and dynamics of particles and systems, analysis of harmonic oscillator systems, normal modes, Lagrangian and Hamiltonian dynamics and classical waves are studied. Prerequisites: PHY-201, MTH-250.

### **PHY-305 Electricity and Magnetism**

3 credits

Electro- and magnetostatics, fields and potentials, and boundary value problems are covered. Prerequisites: PHY-201, MTH-250.

### **PHY-310 Advanced Electricity and Magnetism**

3 credits

Maxwell's equations; electromagnetic waves in vacuum and in material media; radiation, propagation, reflection, and refraction. Prerequisites: PHY-305, MTH-308.

# COURSE DESCRIPTIONS

## PHY-315 Thermodynamics and Statistical Mechanics

3 credits

Thermodynamic systems; the first and second laws of thermodynamics; entropy and thermodynamic potentials; distribution of molecular speeds; Maxwell-Boltzmann, Bose-Einstein, and Fermi-Dirac distributions. Prerequisite: PHY-201.

## PHY-320 Quantum Mechanics

3 credits

Historical background; the Bohr Theory; the Schrodinger equation, its interpretation and applications; the uncertainty and exclusion principles; development of the formalism. Prerequisite: PHY-300. spring

## PHY-330 Basic Electronics

3 credits

An experimental study of devices and circuits in analog and digital electronics. No previous experience with electronic circuits is assumed, although introductory topics such as DC and AC circuits are covered rather quickly. Emphasizes applications in laboratory research, including signal acquisition, computer interfaces, and analog/digital signal processing. One hour of lecture plus two three-hour labs per week. Prerequisite: PHY-201 or permission of instructor.

## PHY-350 Advanced Laboratory

2 credits

Experiments in atomic and nuclear physics, electricity and magnetism, and physical optics. Students have the opportunity to work intensively on a particular experiment. Minimum of five to six hours per week.

## PHY-400 Atomic Physics

3 credits

Quantum mechanics and the one-electron atom; atomic structure and optical spectra of multi-electron atoms. Quantum statistics, band theory of solids. Prerequisite: PHY-320. spring

## PHY-405 Fundamentals of Nuclear Physics

3 credits

Nuclear mass and size; nuclear forces and some models of the nucleus; radioactivity and detection; subnuclear particles and resonances. Prerequisite: PHY-320.

## PHY-415 Physical Optics

3 credits

Waves and the superposition principle; interference, Fraunhofer and Fresnel diffraction; electromagnetic nature of light; absorption and scattering; dispersion; polarization. Prerequisites: PHY-201, MTH-250.

## PHY-416 Modern Experimental Optics Laboratory

1 credit

A laboratory course in geometrical and physical (wave) optics, designed to supplement the material presented in PHY-415. Serves as an introduction to the optical equipment and techniques that are employed in laboratory research. A series of experiments cover the topics of polarization, interference, image formation, Fourier optics and lasers, and optical spectroscopy. Prerequisite: PHY-201.

## PHY-450 Topics in Modern Physics

3 credits

A selected topic of contemporary interest in physics, e.g., general relativity and gravity waves, is studied. Emphasis on current journal literature and research. May be taken more than once with departmental approval. An excellent introduction to independent research in one area of physics. Prerequisite: PHY-201.

## PHY-490 Independent Research and Study

1-4 credits

## PHY-491 Internship in Physics

1-4 credits

A supervised research experience in an approved organization where qualified students gain real-world knowledge and utilize their academic training in a professional environment. Placement may be in private, public, non-profit, or governmental organizations under the guidance of a mentor. The mentor and student will have regular consultation with the departmental internship coordinator to assess the student's progress. Normally, 50 hours of internship per credit is required. The grade for the course will be determined by the student's overall performance in their research work, a research paper documenting their work with their internship mentor and an oral or poster presentation at the end of the semester. Prerequisite: 2.5 GPA and permission of the instructor.

## Political Science (POL)

Political science courses at the 100 level are designed for freshmen and those at the 200 level for students at any level. Courses at the 300 and 400 levels cover advanced subject matter. Students considering electing advanced political science courses should be certain to have sufficient preparatory work. If this is lacking, the appropriate courses at the 100 and 200 levels are strongly recommended for the 300 and 400 levels. When in

doubt, the student should consult the instructor of the advanced course or the department chairperson.

## POL-100 Introduction to American Politics

3 credits

An examination of basic principles of the U.S. constitutional system; the operation of the democratic process; the organization, powers and procedures of Congress, the presidency and the federal judiciary; and the functions, services, and financing of the national government. Emphasis is on public issues, national priorities, and civil liberties.

## POL-102 Understanding Politics

3 credits

Introduction to the study of politics and government, including major political theories and ideologies, systems of government (i.e., presidential, parliamentary, authoritarian, totalitarian), public opinion and behavior, international relations and war, and contemporary policy issues.

## POL-102 Freshman Seminar in Understanding Politics

3 credits

Limited to entering freshmen majoring in political science. fall

## POL-200 New Jersey Government and Politics

3 credits

Political institutions, processes, and problems of state and local governments of New Jersey. Analysis of legislative, executive, judicial, regulatory bodies, special districts, and autonomous agencies. Aspects of personnel, finance, and services.

## POL-201 Policy Issues, Advocacy and Budgeting

3 credits

Surveys various domestic economic and social policy issues, the government budgeting process, and how citizens and groups advocate their interest through organizing, coalition-building and lobbying. Emphasis on developing practical skills in issue analysis, lobbying, legislative tracking and public budgeting.

# COURSE DESCRIPTIONS

## **POL-210 Public Opinion**

3 credits

Public opinion as a social force and as expression of public sentiment on political and social issues. Topics include: development and dissemination of opinions, the measurement of public opinion, public opinion and governmental processes, and the reciprocal relationship between mass media and public opinion.

## **POL-215 Global Politics**

3 credits

The struggle for power, wealth, and order at the global level involving nation-states, inter-governmental organizations (such as the United Nations, the European Union, etc.), non-governmental organizations, transnational enterprises and other non-state entities, using military, economic, diplomatic, legal, and communication instruments. Overview of global problems such as the proliferation of weapons of destruction, ethnic and religious conflicts, human rights, and the global environment at the threshold of the 21st century. Real-time use of the Internet is an integral aspect of this course in terms of readings and assignments. (This course is a prerequisite for POL-295 Special Projects in Political Science: Model United Nations.)

## **POL-216 Comparative Political Systems**

3 credits

A general introduction to types of government and political regimes of the world as they try to cope with the dual challenge of ethnic micropolitics and transnational globalization. Major prototypes of democracy: the British parliamentary system, the American separation of powers system, and various combinations of these two. Traditional autocracy, totalitarian dictatorships, and late 20th-century authoritarian regimes. Variations of economic systems within democracies: the market economy, social democracy, and state-managed capitalism. Third World countries and post-communist states in search of workable political and economic systems.

## **POL-218 The Pacific Rim in the 21st Century**

3 credits

The internal politics and the external policies of an area where the interests of four of the world's major powers (the United States, China, Japan, and Russia) intersect. The emphasis is on the dynamics of change in China (and Taiwan), Japan, the Koreans, and the countries of Southeast Asia, and their political, military, and economic interactions within the global context.

## **POL-219 Terrorism, Revolution and Political Violence**

3 credits

"Revolutions are the mad inspiration of history." Trotsky's characterization calls attention to three important dimensions of violent political participation: the historical settings, ideology, and emotional fervor of the practitioners. This course will focus on these dimensions by analyzing revolutionary and terrorist movements in the 20th century. Special attention will be given to the use of violence in the post-Cold War new world disorder.

## **POL-225 Nationalism in World Politics**

3 credits

Nations and nationalism. An overview of nationalistic manifestations in the world today. Nations, states, nation-states. Multinational states, stateless nations. Imperialism, anti-imperialism; nativism vs. internationalism and globalism. Topics include nationalisms in the Holy Land; in the former Yugoslavia; in the former Soviet Union and its successor states; and economic Nationalism vs. Globalization.

## **POL-230 Methods of Political Analysis**

3 credits

An overview of the various qualitative and quantitative methods that political scientists use to study their discipline. Themes include analyses of political participation and support, methods of studying elections, measures of political tolerance and liberalism.

## **POL-235 Race and Ethnicity in American Politics**

3 credits

Examines the changing political, economic, and social situation of racial and ethnic groups in American politics since the 1950s. Topics include the relationship between race/ethnicity and voting behavior, political parties, and election results. Includes an analysis of specific areas of contemporary racial and ethnic conflict, such as voting rights, immigration, and affirmative action.

## **POL-239 Political Thinkers and Political Thought**

3 credits

A survey of the most significant political thought from ancient times into the modern era. Subject matter includes discussion of such questions as the nature of freedom, natural law and right, constitutionalism, political obligation, justice, form of regime.

## **POL-245 Cities, Symbols and Political Culture**

3 credits

An on-site study of how political cultures and ideologies are shaped and expressed within architecture, town layout and other symbols. Students will travel to two or three European cities and will be required to attend classes and other planned activities. They will immerse themselves directly into the city's political-economic and cultural centers, and thus come to understand how physical structure shapes notions of power, legitimacy and authority.

## **POL-247 Political Campaigning**

3 credits

This course entails the study of campaigning for political office at the federal, state and local levels in the United States. While attention will be given to how the broader political environment and specific factors, e.g., the decline in partisanship, hot button issues, local interests, and money, affect the nature of campaigns, the course's primary focus will be on how to organize and conduct a successful and ethical campaign, including how to collect and analyze pertinent data, manage a staff, develop a communications plan, and get out the vote.

## **POL-255 European Politics**

3 credits

A comparative analysis of the social and political systems of Britain, France, Germany and other Western countries within the European framework. Emphasis will be on the identification of ways in which countries similar in social characteristics are also similar in their political systems and on the extent and circumstances under which they differ. Similarities and contrasts will also be drawn with political structures and processes in the United States. This course, on occasion, may contain an optional travel component during January.

## **POL-260 Politics of Law and Order**

3 credits

The constitutional, legal, political, and administrative aspects of the criminal justice system in the United States are studied, including the court system at all levels of government, law enforcement agencies, correctional programs and institutions, probation, parole, and the relationship of our legal institutions to the broader political system.



# COURSE DESCRIPTIONS

## **POL-270 Interest Groups and Lobbying**

3 credits

The course will introduce students to the area of interest groups and lobbying. Topics to be covered include theoretical developments, methodological approaches of group formation, organizational maintenance, and strategies used to influence public policy in the executive, legislative, and judicial branches of government.

## **POL-280 Sex and Politics**

3 credits

The bearing of gender upon politics: whether political activity is more characteristic of one or the other sex; the comparative fates of male and female in political society; the political implications of change in the content and mutual status of masculinity and femininity. Inquiry into classical, traditional, and contemporary views.

## **POL-295 Special Projects in Political Science**

3 credits

For non-seniors who engage in serious research in political science. Topic to be approved by instructor and department chairperson.

## **POL-300 U.S. Constitutional Law**

3 credits

The role of the Supreme Court in the American political system is assessed. Topics include the staffing and functioning of the Supreme Court and the federal judicial bureaucracy, the origins and development of judicial review, and the role of the Supreme Court in national policy-making.

## **POL-301 Civil Liberties in the United States**

3 credits

The American doctrine of civil liberties in theory and practice. Emphasis on analyzing the freedoms of speech, press, assembly, and religion, the right of privacy, and the problem of discrimination in the context of contemporary issues and problems. Particular attention to the role of the Supreme Court in this area.

## **POL-305 Political Parties and Electoral Behavior**

3 credits

The structure, character, and functions of U.S. political parties and pressure groups, and their impact on public policy. Parties are analyzed within the broader scope of organizational theory and comparative party systems. Major emphases on their historical ori-

gins, their role in contemporary political life, and particular aspects of party politics—local organization, membership, campaigning and elections, policy-making roles, and leadership.

## **POL-306 Political Film**

3 credits

This course analyzes the structure, history, and impact of the genre of political film. It begins with a discussion of how one distinguishes a political film from other forms of cinema. It then proposes insights into the manner in which these films evoke a particular time and place in politics, affect the viewer's interpretation of a political event or figure, and have an effect upon a viewer's political perceptions or behavior. The student will also learn to review films critically, both as political statements and as effective (or ineffective) conveyors of political messages.

## **POL-307 Political Communication**

3 credits

The meaning and uses of political communication are examined, the manner and forms such communication takes, and the history of political discourse. Major topics include the role of communication in elections and the development of public policy, how political communication strategies have changed with the rise of mass media, and the development of national and international publics for discourse.

## **POL-312 Congressional Politics**

3 credits

An intensive analysis of the legislative process in the United States, considering both the internal organization and operation of Congress, and Congress' role in the broader American political system. Fundamental issues include the theory and practice of representation; the committee system, seniority and expertise; interest group politics; and the politics of congressional reform.

## **POL-313 The American Presidency**

3 credits

A description and analysis of the American presidency: its historical development, the internal organization, and ecological context. Basic issues include the intent of the framers of the Constitution, the historical accumulation of presidential powers, and institutional limits on presidential power (e.g., Congress and the bureaucracy).

## **POL-315 Global Issues**

3 credits

Military, economic, demographic, and environmental threats to global security in the post-Cold War era. Forces of transnational integration vs. forces of intrastate fragmentation. Inadequacy of international law and organization to deal with these problems within the confines of the sovereign nation-state system.

## **POL-320 Politics of the Middle East**

3 credits

The political systems of Egypt, Syria, Israel and Saudi Arabia are examined in terms of political culture, structure, and political processes. The course emphasizes the relationships between social and political structures, the role of religion, and the problems of modernization. Similarities and contrasts will be drawn between the Arab and non-Arab countries of the Middle East.

## **POL-325 Public Administration**

3 credits

Public administration in modern society, emphasizing the administrative formulation of public policy and its implementation. Attention on who gets what, when, and how from the decisions of administrative units; the role administrators have in policy-making compared to elected legislators, chief executives and judges; the effect administrators have on the benefits citizens receive from government; and the effect administrators have on citizens' behavior.

## **POL-326 Power in American Politics**

3 credits

Examines various explanations of who has power in American politics. Explores the roles of appointed and elected officials, business and interest groups, the media, and the general public in shaping public policy. Special attention to political change, including the impact of broad social movements on the responsiveness of the political system.

## **POL-327 Contemporary Issues in American Public Policy**

3 credits

In-depth examination of current issues in American politics. Drunk driving, political corruption, drug policy, education, the environment, and poverty are among the issues to be considered. Emphasis on analyzing policy problems and on developing and evaluating proposed solutions.

# COURSE DESCRIPTIONS

## **POL-335 Urban Politics**

3 credits

Political structure and administration of municipalities in the United States. Emphasis on problems posed by suburbanization, global and regional shifts in business, economic dislocation, housing and race relations.

## **POL-340 Modern Democracy and its Critics**

3 credits

The course examines the fundamental assumptions underlying modern democratic theories and the main theoretical attacks launched against them. Among the contending theories to be discussed are right and left-wing anarchism, the old and the new left, fascism, intellectual elitism, and techno-conservatism.

## **POL-342 Freedom and Authority**

3 credits

Concepts of freedom and authority in 19th and 20th-century political theory. Emphasis on such important thinkers as Nietzsche, Freud, Sartre, Camus, and Marcuse.

## **POL-343 American Political Thought I**

3 credits

The philosophical background and moral principles of American political society: liberty, equality, natural law and natural right; constitutionalism and nation-building.

## **POL-344 Contemporary American Political Thought**

3 credits

Surveys American political thought from the Civil War to the present, focusing upon the development of modern notions of liberalism and conservatism, and various cultural/intellectual movements, such as Social Darwinism, government's roles in regulating the economy, protection of civil rights.

## **POL-345 Classical Theories of Justice**

3 credits

(Formerly Justice in Ancient Political Thought) Western philosophy of law rests on foundations set by the Greek sophists and their Roman successors. The course analyzes in depth the concept of justice as developed by Protagoras, Plato, Aristotle, and the Law of Nature jurists. It ends with the early Christian adoption of these concepts as evidenced in the writings of St. Augustine.

## **POL-350 U.S. Foreign and Security Policy**

3 credits

Principles, institutions and processes involved in the formulation and implementation of policies regarding the nation's military, economic, and environmental security within the global framework. Strands, trends, and problem areas in U.S. foreign policy, with focus on the changing global environment of the post-Cold War world.

## **POL-361 The Judicial Process**

3 credits

In-depth examination of the nature of judicial decision-making and the impact that judicial decisions have on society. Considers the sources of judicial authority, judicial fact-finding, statutory and constitutional interpretation, individual and collective processes of judicial decision-making, relations between judges and other government officials, and the political consequences of judicial decisions with particular emphasis on federal courts and judges.

## **POL-365 Third World Politics**

3 credits

Studies the major political issues of the Third World. Particular reference to political systems of Africa, Asia, Latin America, and the Middle East according to the relevance of the examples to large conceptual issues, and according to the major interests of the instructor. Typical issues include neocolonial dependency, the role of the state in newly developed countries, military rule and democratization.

## **POL-367 Politics of Exile, Asylum and Diaspora**

3 credits

This course analyzes mass migrations and refugee movements and what they mean for the stability of nations, the increasing potential of severe culture clashes within societies, and the root causes of (forced) migration movements, such as problems of violence, terror and genocide, as recently seen in Darfur, Rwanda and Bosnia. In certain European countries the frequently failed integration and assimilation policies resulted in an Islamic alienation; terrorist attaches and race riots are some of the consequences. Particular attention will be given to the conflict between the refugees' and migrants' needs that result from violent, socio-economic or ecological catastrophes in the countries of origin and the various forms of reception within the host countries. Students will explore theoretical, political, legal, and socio-economic dimensions of the refugee and immigration phe-

nomena in a global world. Other themes will include international human rights and refugee laws, theories of immigration, for example, the feminization of migration, as well as problems of acculturation, assimilation and integration in different host societies.

## **POL-450 Seminar in Political Science**

3 credits

A multidimensional framework within which to integrate the variety of perspectives and methodologies extant in the field of political science. Topics for discussion and analysis may range from broad concepts of political discourse such as power and interdependence to specific political issues such as executive-legislative relations and judicial policymaking.

## **POL-490 Independent Research and Study**

1-4 credits

Individual program of study under close supervision by the instructor, with weekly meetings and reports. Topics to be approved by the department. Available to seniors who have a minimum of a 3.0 GPA in political science courses. No more than six credits allowed toward graduation.

## **POL-491 Internship in Political Science**

1-4 credits

Students work under supervision in a public agency, political party, or public interest group. A minimum of 52 hours of field work per credit required, with regular reports and a concluding critique analyzing and evaluating the experience. Primarily for seniors and qualified juniors. POL-325—Public Administration or POL-326—Power in American Politics must be completed previously or concurrently. No more than six credits allowed toward graduation.

## **POL-499 Senior Honors Thesis**

3-6 credits

Majors having completed the department's core requirements and having a minimum GPA of 3.5 in political science courses may apply for honors in their sixth semester. Applicants enroll in POL-490 Independent Research and Study in their seventh semester to develop and submit a thesis proposal to the department. With departmental approval, applicants prepare an honors thesis in their last semester. Upon acceptance of the thesis by the department, the student will be graduated with honors in political science.

# COURSE DESCRIPTIONS

## Psychology (PSY)

Psychology 100 is a prerequisite for all psychology courses. Prerequisites other than 100 may be waived by the instructor.

### PSY-100 Introduction to Psychology

3 credits

An orientation to psychology, covering major facts, principles and concepts about human and animal behavior and experience, research findings, major problems, basic vocabulary, methodologies, and contributions in the field. Topics include psychology as a science; human development; individual differences; intelligence and its measurement; special aptitudes and interests; personality and social behavior; motivation and emotion; frustration and personality deviations; and learning, thinking, remembering and forgetting.

### PSY-201 Statistics and Research Design

3 credits

Introduces students to statistics and research methods in the behavioral sciences. Covers the fundamentals of descriptive and inferential statistics, a variety of issues in research design, selected research designs including the case study, correlational and experimental designs. In addition, students will explore the literature in psychology in order to examine the use of statistics and research design in real research problems.

### PSY-215 Personality

3 credits

A synthesis of the most recent research in the field of personality development. Topics include interplay of biological, cultural, and subjective personal processes; analysis of the broad trends in personality theories; and introduction to personality measurement.

### PSY-218 Psychology of Women

3 credits

Examines the psychological development of women in our culture from birth to maturity, with an emphasis on the interaction of biological and social influences on personality, social behavior, and achievement of women. Investigates psychological sex differences in terms of current measurement approaches. Readings and text are drawn from psychological theory and research.

### PSY-220 Abnormal Psychology

3 credits

The development of abnormal personalities are discussed, with a survey of the various types of mental abnormalities, including their symptoms, diagnoses, and treatments. Neuroses and psychoses are emphasized.

### PSY-225 Learning and Memory

3 credits

A broad coverage of the expanding fields of learning, memory, and cognition is provided, while addressing their relevance and impact on human behavior. Continuity between early associationistic and contemporary cognitive theories is established. Topics range from basic conditioning to the more complex processes of memory, concept learning, thinking, and problem solving.

### PSY-230 Developmental Psychology I: Child

3 credits

Presents theory and research on the social, emotional and cognitive development of children birth to age 12.

### PSY-231 Developmental Psychology II: Youth-Adolescent

3 credits

Presents theories, research and problems concerning development in youth and adolescence.

### PSY-235 Cognitive Development

3 credits

Compares and analyzes the major theories of cognitive development: Piaget, Information Processing, Vygotsky, Gardner and Sternberg. The course describes cognitive growth from infancy to adulthood. Particular topics will include: concept formation, language acquisition, memory reading and writing, mathematical skills and sociocultural skills. Also of interest will be the use of cognitive theory in education, and understanding variations from the typical pattern of cognitive development as in mental retardation and prodigies.

### PSY-237 Cognitive Disabilities

3 credits

Investigates various types of retardation, focusing on etiology, methods of diagnosis, programs and services available to individuals and families. Considers problems relating to adjustment in academic, social, and vocational areas.

### PSY-238 Sensation and Perception

3 credits

The facts and theories of sensation and perception, their role in the total psychology of the individual, and current application are examined.

### PSY-240 Social Psychology

3 credits

Deals with the scientific study of human beings in social situations, focusing on reciprocal influence of the individual and the group, especially aspects of behavior that are socially determined. The nature of attitudes: their development and change; the nature of social influence; interpersonal perception and attraction; dynamics of social behavior; and social phenomena, such as prejudice and social movements, are covered.

### PSY-255 Biopsychology

3 credits

Basic biological structures and processes underlying behavior, including general neuroanatomy and neurophysiology; sensory physiology; structure and function of the motor systems; physiology of emotions, motivation, learning, memory; brain dysfunction; psychoactive drugs.

### PSY-279 Psychology and Law

3 credits

Introduces students to a study of selected topics in psychology and law. Topics include eyewitness testimony, jury selection and decision making.

### PSY-295 Directed Study in Psychology

1-4 credits

Provides an opportunity for students to obtain research experiences in psychology. Consists of a combination of project meetings, assigned readings and supervised research. Each student will work with a selected faculty member on a topic of mutual interest. Projects may include learning some components of research methods and applying these techniques to the collection and analysis of data. Provides focused reading and discussion as it relates to each student's research topic. Prerequisite: psychology majors or minors and permission of instructor and chair.

### PSY-302 Research in Cognition

4 credits

Provides students with an in-depth coverage of the expanding field of cognition and memory. Addresses issues and research within the field. Emphasis is on current views of human memory. Students learn how to



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design and conduct their own experiments from the topic areas of information processing, psycholinguistics, problem solving, learning and memory, social cognition, and cognitive neuroscience. Laboratory skills include programming computers, developing multimedia stimuli, recording psychophysiological data, and composing an APA-format research report in a network-based writing lab. Prerequisites: a grade of C in PSY-201, PSY-225, PSY-235 or PSY-237 or permission of instructor.

## **PSY-303 Research in Social Psychology**

4 credits

Covers research methodology within the context of social psychology (i.e., topics include altruism, aggression, attraction and social perception). Both experimental and descriptive methodologies will be covered. Students learn about various aspects of the research process (e.g., design and execution of a social psychological study, analyzing and interpreting the results). Students also learn to integrate their research findings to produce an APA-style paper. Students use computer-based word processing and statistical analysis packages to achieve these goals. Prerequisites: a grade of C in PSY-201; PSY-240 or PSY-279 or permission of instructor.

## **PSY-305 Theories of Psychotherapy**

3 credits

An exploration of the history and theory of the psychoanalytic, behavioral, and humanistic approaches to psychotherapy. Comparisons and contrasts between these therapeutic modalities are discussed, as well as the theory underlying specific therapeutic techniques such as dynamic interpretations, dream analysis, the analysis of resistance and transference, counter-conditioning, modeling, and cognitive restructuring. Class exercises in addition to transcripts and tape-recordings from therapy sessions are used to illustrate the various therapeutic approaches. Prerequisite: PSY-215 or PSY-220 or permission of instructor.

## **PSY-306 Research in Sensation and Perception**

4 credits

Provides instruction in research design, research methods, and integration of data analysis and methodology within the content framework of sensation and perception. All the general psychology research methods are taught. Special emphasis is given to the study of human vision and audition. Students design, conduct, and

report laboratory research in the areas of sensation and perception. The computer-based components of the laboratory include lessons on interactive software instrumentation for research, and network-based technical writing using APA format. Projects are conducted during the term. Each student uses a dedicated networked Macintosh computer to (a) develop and generate research stimuli and procedures, (b) analyze and report research data, and (c) write formal research reports. Prerequisite: a grade of C in PSY-201 or permission of instructor.

## **PSY-312 Behavior Modification**

3 credits

Presents a review of classical and operant conditioning, data collection and research design, data analysis and interpretation. In addition, assessment and treatment strategies in a variety of settings, contingency management in institution, classroom and home, systematic self-desensitization, and ethical consideration are discussed.

## **PSY-315 Psychological Tests**

3 credits

Examines the history of psychological testing. Issues concerning the construction of psychological tests are discussed, including concepts concerning reliability, validity, and item analysis. The rationale and structure of the major tests of intelligence, aptitude, and personality are reviewed, including the Rorschach, WAIS, TAT, MMPI, and Bender-Gestalt. In the last section of the course, students are given hands-on experience in the administration, scoring, and interpretation of a standard test battery. Prerequisite: any statistics course.

## **PSY-330 Developmental Disabilities**

3 credits

Introduces students to the genetic, biological, sensory-motor, cognitive, and social-emotional foundations of developmental disabilities. Selected syndromes will be reviewed in depth, as will treatments and intervention at the individual and family levels. Prerequisite: PSY-230, PSY-231 or PSY-237.

## **PSY-333 Autism Spectrum Disorders**

3 credits

Provides students with a general understanding of the etiology, neurocognitive underpinnings, and general characteristics of the autism spectrum disorders. The course will examine the history of the study of these disorders, the main problems associated with these conditions, and will

explore psycho-educational treatment alternatives. Prerequisite: PSY-230, PSY-231, PSY-237, or PSY-330.

## **PSY-335 Research in Human Cognitive Neuroscience**

4 credits

Covers the interdisciplinary study of the nervous system integrating neurobiology, physiology, pharmacology, and psychology as explanations for both normal and pathological human behavior. Topics integrate molecular levels of analysis, such as neuron structure and function, neurotransmitters, action potentials, and receptors, with molar levels, such as sensory and hormonal processes, learning and memory, emotions, drug use, and biological rhythms. Introduces research techniques used to study the function of the nervous system and the neural bases of behavior in humans. Neuroanatomical, electrophysiological, pharmacological, and neuropsychological assessment techniques may be explored as part of laboratory or field research projects designed in collaboration with the instructor. Prerequisites: grade of C or better in PSY-201 and PSY-255 or permission of instructor.

## **PSY-336 Experimental Methods: Animal Learning and Behavior**

4 credits

Provides a comprehensive overview of the acquisition and modification of the behavior of animals, especially on laboratory strains of rodents and pigeons. Core topics include respondent and operant conditioning, animal cognition, observational learning, animal safety and welfare, single-subject and between-groups approaches to methodology, and the statistical analysis of the results of studies of behavior. The laboratory component of the course provides a comprehensive overview of animal handling and maintenance, animal welfare, and the recording of experimental results. Two substantial projects are undertaken; demonstration of a conditioned taste aversion and its effect upon the acquisition and extinction of an operant (bar press) response and subsequent discrimination and reversal learning. Results of both projects are written into APA-formatted reports. Prerequisites: a grade of C in PSY-201, PSY-225 or permission of instructor.



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## PSY-340 Group Dynamics

4 credits

Focuses on selected issues pertaining to group dynamics. Emphasizes an understanding of the personality and social factors that influence the functioning of unstructured and task-oriented groups. Students participate in a task group for the purpose of conducting a comprehensive research project on selected issues in group dynamics and the psychology of groups. The task group prepares an APA-style paper describing their research as well as an in-class presentation. Each student also submits a midterm and final written analysis of the interactional processes and development of the task group. Prerequisite: a grade of C in PSY-201 or permission of instructor.

## PSY-350 Research in Developmental Psychology

4 credits

Focuses on one or more research areas in cognitive, personality, or social development. Includes an overview of major theoretical approaches to age-related change. Students review original research on selected aspects of behavioral change. The laboratory component of the course presents an overview of developmental research designs and methods focusing on the measurement of age-related change in psychological functioning. Students conduct field research projects designed in collaboration with the instructor and prepare an APA-style research report. Prerequisite: a grade of C in PSY-201 and PSY-230 or permission of instructor.

## PSY-365 Drugs and Human Behavior

3 credits

Presents the student with an in-depth analysis of the effects of alcohol and selected chemical substances on the behavior and body of the user. Commonly abused substances will be discussed in terms of their history, sources of production, routes of administration, distribution, metabolism and excretion, neurophysiology, tolerance, properties of addiction, withdrawal course and symptoms, and potential beneficial and harmful effects.

## PSY-370 Sociobiology

3 credits

Sociobiology defines such concepts as society, individual, population, communication, and regulation. It attempts to explain, biologically, why groups of animals behave the way they do when finding food or shelter, confronting enemies, or getting along with one another. The course will explain how group selection, altruism, hierarchies, and sexual selection work in populations of animals, and

to identify evolutionary trends and sociobiological characteristics of all animal groups, up to and including humans. Prerequisite: PSY-100 or any life science course.

## PSY-372 States of Consciousness

3 credits

This course explores the variety of states that comprise normal and altered consciousness. It highlights how these states are determined by complex interactions between conscious and unconscious mental functions. Key psychological concepts are applied in an investigation of various states of consciousness, especially meditative states and dreams. The course examines both the psychopathological aspects of altered states, as well as their potential beneficial effects on creativity and the development of the self.

## PSY-373 Psychology and The Holocaust

3 credits

The study of genocide, the planned and systematic attempt to destroy a particular group of people because of their race, religion, nationality or ethnicity is the general aim of the course. Focus will be placed on The Holocaust, as a case study of genocide, in which European Jews were targeted for murder. Psychological theories and data will be used in an attempt to understand the behavior of the perpetrators (their motives and attitudes, within their social environment), those who tried to rescue the victims, and the psychological effect on the lives of the survivors and their families. Data from diverse sources, such as historical records, oral histories, interviews (etc.) compiled by researchers from different disciplines will be used.

## PSY-374 Psychology of the Family

3 credits

This course examines the significance of family in human development. Using prominent themes of developmental psychology, such as: the role of attachment in forming human relationships, the significance of context in understanding human development, and the resilience of development; this course will explore the existing research on the family. Students are asked to consider their own experiences as members of a family, as well as to understand the varieties of ways family impacts development across the lifespan. Prerequisites: PSY-100, PSY-230 or permission of instructor.

## PSY-375 Psychology and Film

3 credits

Attitudes, perceptions and memories are shaped by motion pictures. Filmmakers create enduring images by using cinematic techniques to portray social and interpersonal themes. This course will examine various cinematic techniques as well as how film portrays interpersonal relations, gender roles, race relations, mental illness, The Holocaust and other genocides.

## PSY-380 Multimedia Technology for Behavioral Science

3 credits

This course covers advanced multimedia technology in the application of computers to behavioral research. It is geared to the advanced psychology student who plans to attend graduate school or seek employment in a research-oriented firm. Psychology majors create computer-based digital audio and imagery as stimulus materials for the study of behavior. They are taught the programming methods needed to use digital video, audio, and still images in the research methods of cognitive, developmental, and applied social psychology. Special attention will be given to Internet tools for social psychology, survey, and evaluation research. There will be a series of in-class programming and media design projects that will incorporate each research application. Prerequisite: PSY-100 or permission of instructor.

## PSY-381 The Psychology of Gender

3 credits

This course examines the meaning of sex and gender in modern society. The course readings and discussion will review and analyze the influence of gender on human behavior and emotions. The course will examine the significance of gender in shaping experience. Topics will include: gender differences in behavior, gender role development, gender and sexual identity, gender and social roles, cross-cultural perspectives on gender and transcending gender. Prerequisites: PSY-100, PSY-218 or permission of instructor.

## PSY-382 Aging, Brain, and Cognition

3 credits

This course covers the biological structures and processes underlying cognition in humans and explores modulating factors such as age, sex, disease, stress, and environment. The theoretical and methodological issues of developmental cognitive neuroscience research are addressed. Focus of the course is on brain structure and function in the largest

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growing segment of our population, persons over the age of 65, and the link between structure and cognitive abilities, both intact and declining. Special attention is paid to those factors related to successful aging and treatments with putative cognitive enhancers. Prerequisite: PSY-100.

## **PSY-400 Senior Seminar in Psychology**

3 credits

This capstone course will provide a synthesis and evaluation of important critical issues in psychology, such as the role of modern psychology in solving social problems, the scientific vs. human services perspectives on behavior, emotion and cognition; and the nature of mental illness and well-being. Students will be expected to draw broadly from their education in psychology; to grapple with conflicting points of view; and produce professional quality writing, oral or multimedia presentations.

## **PSY-420 History of Psychology**

3 credits

Provides a coverage of systems and schools of psychology; great psychologists, their contributions, and later influence in psychology. Current psychological problems are also discussed.

## **PSY-490 Independent Research and Study**

1-4 credits

Provides students with an opportunity to design and carry out original research in an area of their choice. Students designate a faculty supervisor and work closely with him/her during the semester. All students must have approval from the department and the dean to register for PSY-490. Prerequisite: PSY-201

## **PSY-491 Internship in Psychology**

1-4 credits

Provides supervised work experience in an approved institution or agency in order for students to gain knowledge in applications of psychology. Placement is made in various community institutions and agencies that offer services to both exceptional and normal individuals. Prerequisite: senior psychology majors or minors.

## **College Reading Course (CRC)**

### **CRC-101S Introduction to Academic Reading**

2 supplemental education units

A required CORE course for first year students who do not meet the placement criteria for college-level reading. This introductory reading course focuses on improving comprehension of college level materials used in first year courses at Rider University. Students are introduced to reading techniques such as text previewing, text marking, and annotating. In addition, a variety of informal writing activities will help students identify and communicate important information from these texts. Efficient learning and test-taking strategies will also be emphasized.

### **CRC-100 College Reading**

3 credits

This elective course helps students develop greater skill and efficiency in meeting the demands of college reading. Primary emphasis is placed upon introducing, demonstrating, and practicing appropriate study strategies that will enhance overall academic performance. Instruction focuses on reading college textbooks more efficiently and effectively, improving comprehension and retention, and reading critically. Time management, note-taking skills, and other study strategies are introduced, demonstrated, and practiced. Reading and writing assignments complement and reinforce class instruction. (This course is open to freshmen and CCS students only; sophomores and juniors must have permission of the Education Enhancement Program Director to enroll.)

## **Social Work (SOW)**

### **SOW-200 Social Services and Social Work: An Introduction**

3 credits

An overview of the historical development of social work. Emphasis on current issues in social welfare and social service programs in the United States. Among the programs explored are those in public welfare, mental health, medical services, child abuse/neglect, school social work, and care for the elderly.

## **SOW-300 Methods of Social Work Practice**

3 credits

Interviewing techniques are taught and practiced. Skills in forming and running small groups, working with community organizations, and administering social programs are emphasized. Students study how to gather pertinent psycho-social facts about clients, make an assessment, plan an intervention, and successfully complete service to the client. Students who next will take SOW-301 Field Work Experience will be placed in a social service agency by the end of the semester. Prerequisite: SOW-200.

### **SOW-301 Field Work Experience**

3 credits

Students observe and work in a social service agency. They study the structure of the agency and the people and roles within it, and develop helping skills with clients. Approximately six to eight hours of field work a week for each three credits are required, plus class sessions during the semester. Prerequisites: SOW-200, SOW-300. May be taken twice in two separate semesters for a maximum of six credits toward the total credits required for graduation.

## **Sociology (SOC)**

Sociology 101 is a prerequisite for all other courses in sociology. Sociology 110 is a prerequisite for all other anthropology courses (269, 270, 271, 272, 309, 310, 320). Prerequisites may be waived in special circumstances at the discretion of the instructor.

### **SOC-101 The Sociological Imagination**

3 credits

Introduction to principles and concepts for the sociological analysis of human societies. Social relations, social structure, and institutions characteristic of societies past and present are examined, and causes and directions of social change are considered.

### **SOC-110 Cultural Anthropology**

3 credits

The anthropological perspective is introduced, placing human behavior and institutions within their evolutionary, ecological, structural, and ideological contexts. Examples are drawn from the full range of human societies, with an emphasis on non-industrial forms.

# COURSE DESCRIPTIONS

## **SOC-201 Introductory Seminar in Sociology**

3 credits

Designed for students considering a major or minor in sociology. The seminar locates sociology in relation to other disciplines; reviews the basic perspectives used by sociologists to study human behavior; and considers the methods and applications of sociological inquiry.

## **SOC-205 Families**

3 credits

Examines families in the United States, past and present, emphasizing the variety of family experiences in different social contexts and the relationship between family life and social change. Includes comparative material on families in other countries and considers possible alternatives to current family forms.

## **SOC-206 Deviance and Crime**

3 credits

Considers deviant behavior as violation of social norms. Examines the concepts of deviance and crime in socio-historical context. Evaluates major theories advanced to explain deviance. Surveys different types of deviance, including conventional crime, non-criminal deviant behavior, and white-collar corporate, and government crime.

## **SOC-207 Racial and Ethnic Relations**

3 credits

Examines the social origins of prejudice and discrimination, and analyzes intergroup trends in conflict, competition, and cooperation. Considers issues of immigration, economic and political power, and ethnic, racial, and religious pluralism.

## **SOC-216 Youth and Crime**

3 credits

In-depth examination of the nature and extent of youth criminality in the U.S. Explores changes in youth culture and theories of delinquency. Social policies are related to youth criminality and the youth justice system is considered.

## **SOC-225 Population Study**

3 credits

Demography; its definition, historical emergence, and growth; population as a social problem in developing and developed nations; population theories, sources and methods of demographic data, population composition, and distribution; demographic processes including fertility, mortality, and migration.

## **SOC-245 Social Problems**

3 credits

American social, economic, and political institutions and their interrelationships are analyzed, with an emphasis on the causes, directions, and consequences of social change in American society.

## **SOC-247 Aging**

3 credits

The emergence of social gerontology, demographic foundation of aging, the aging process, comparative study of aging and aged, effect of aging on the individual, social institutions and aging, and problems of aging and some solutions.

## **SOC-248 Social Service Organizations**

3 credits

Examines the growth and variety of social service organizations. The training of providers, such as teachers and physicians, and relationships between professionals and clients in settings such as schools and hospitals are studied as well as organizational decision-making, finances, and community relations.

## **SOC-252 Media, Culture and Society**

3 credits

Examines mass-produced commercial culture, how it has developed, and the role it plays in modern society. Analyzes the content of these cultural forms, how its production is organized, and how audiences perceive it.

## **SOC-261 Schools and Schooling**

3 credits

Schools and the process of schooling are analyzed within a broad historical perspective as well as within the structural and cultural context of American society. Education within a global perspective is also considered. Issues discussed include school funding, integration, tracking, technology, bureaucratization, and the "cultural wars" fought within the schools.

## **SOC-269 Physical Anthropology**

3 credits

An analysis of the biological development of the human capacity for culture. Topics include: modern theories of evolution and their application to human evolution; the relationship of human beings to other primates, the human fossil record, and variation among modern human populations. A background in biological studies is not necessary.

## **Area Studies in Anthropology**

3 credits

A survey of peoples and cultures of a particular area with attention to the anthropological contributions to their study:

### **SOC-270 Africa**

An intensive investigation of problems arising from historical and contemporary studies of tribal, peasant, and transitional societies in Africa south of the Sahara.

### **SOC-271 Europe**

Studies problems arising from historical and contemporary studies of peasant populations of Europe.

### **SOC-272 Indians of North America**

Societies and cultures of the Indians of North America from the Arctic to Mesoamerica. Emphasis on evidence of these tribal groups prior to extensive acculturation and their contemporary situation.

### **SOC-300 Work and Occupations**

3 credits

Analyzes the nature and organization of work in modern society. Focuses on such issues as division of labor, specialization, alienation, professionalization, and the role of technological change. Includes an examination of the historical development of work in the 20th century, and a consideration of contemporary and future patterns of work organization.

### **SOC-301 Methods of Sociological Research**

3 credits

The second in a series of required courses for majors. Builds upon the Introductory Seminar in Sociology. Social research methods using documents, observations, and questionnaires are taught, and used in completing research projects. Prerequisite: SOC-201.

### **SOC-308 Cities and Suburbs**

3 credits

Examines the growth of an urban way of life under the influence of industrialism. Study of community, political, and economic institutions in cities. Comparisons between urban and suburban areas.

### **SOC-309 Peasant Society**

3 credits

A comparative view of peasants and their significance in agrarian, colonial, and industrial societies. Peasant economic, political, and social institutions are analyzed with an eye to



# COURSE DESCRIPTIONS

both their internal operation and the way they relate to nonpeasant groups who hold power in these societies. The changes that have occurred in the peasant world are viewed both as a consequence and a cause of wide reaching political and economic upheaval.

## **SOC-310 Pre-Industrial Economies**

3 credits

The anthropological study of technology, production, and exchange in nonmarket cultures, as related to the social, ideological, and ecological systems in which they are embedded. The question of whether the concepts that derive from market economies can be applied to all economic systems is considered in detail.

## **SOC-311 Social and Cultural Change**

3 credits

Investigates the process of change in both industrial and nonindustrial settings. Particular attention paid to the role of the individual in change as well as the roles played by the mode of production, social organization, and ideological constructs. Case studies are drawn from non-Western as well as Western sources.

## **SOC-312 Women in Society**

3 credits

Examines changes in women's roles and in male-female relationships. Focuses on impact of law, economy and social movements in shaping women's positions as wives and as workers. Explores theories and evidence concerning the nature and extent of sex differences. Attention to women's socialization through language, schools and media.

## **SOC-314 Social Theory**

3 credits

Introduces the major thinkers and conceptual problems characterizing the development of sociological thought. Required of sociology majors. Prerequisite: SOC-201.

## **SOC-315 Issues in Modern Social Theory**

3 credits

Examines current trends and issues in sociological thought. Prerequisite: SOC-314 or permission of instructor.

## **SOC-316 Feminist Social Thought**

3 credits

An introduction to feminist social theory, with emphasis on its breadth and variety. Special attention paid to the ways feminist theorists have analyzed the relationship of gender to other kinds of group differences.

## **SOC-317 Law and the Legal Profession**

3 credits

Relationships between law, the economy, and the state are explored. Discussion of laws, legal systems and legal reasoning using cross-cultural comparisons and historical analysis of these in the United States. Particular attention given to impact of law on corporations, workers, women and minorities. Changes in legal profession and legal education are examined.

## **SOC-319 Criminal Justice and Corrections**

3 credits

An examination of criminal law and the problematic justice or injustice which stems from the administration of such laws. Studies the cultural and social foundations of U.S. criminal justice system and how these develop and change. Examines role of police and legal professionals.

## **SOC-320 Religion and Belief Systems**

3 credits

The relation of religious phenomena to social structures and processes; religion in cross-cultural perspective.

## **SOC-330 Social Inequality**

3 credits

Social, economic, and political aspects of the division of society into classes are considered. Theories of stratification and the distribution of wealth, power, and prestige in societies past and present are examined.

## **SOC-340 Power and Politics**

3 credits

Examines the nature and distribution of power in contemporary societies; analyzes the relationships between political processes and economic and social issues.

## **SOC-341 Developing Societies**

3 credits

Investigates division of world into developed, developing and underdeveloped countries. Examines theories explaining patterns of development; indicators and measures of societal well-being; and problems such as population, hunger and environmental crises in Third World. Responses to underdevelopment and consequences for inter-societal relations are also explored.

## **SOC-346 Health Care and Society**

3 credits

Application and contributions of sociology to medicine; the strategy and methods of sociomedical research; sociology of illness, addictive and mental disorder; medical institutions; health services and medical care; and current status of medical sociology.

## **SOC-349 Retirement and Leisure**

3 credits

Examines the social phenomena of retirement as an event, process, social role, and life stage. Explores the meaning of leisure, time utilization, and creativity among the elderly. Defines related problems and issues, i.e., financial, physical, psychosocial, and environmental. Positive as well as negative implications are presented and evaluated. Prerequisite: SOC-247 recommended.

## **SOC-350 Social Policy**

3 credits

Investigates the relationship between economic development and social policy in comparative and historical context. The main features of preindustrial, early industrial, and advanced industrial social welfare systems are described. Social, economic and political factors that shape social policy are investigated.

## **SOC-355 Interpersonal Relations**

3 credits

Examines the interpersonal relation between and among people in private life, public places, and at work. Explains how such relations affect and are affected by changes in the larger social structure.

## **SOC-360-369 Selected Topics in Sociology**

3 credits

Exploration of a specialized topic or problem in sociology. Permission of the instructor required.



# COURSE DESCRIPTIONS

## **SOC-396 Applied Sociology**

3 credits

Shows how sociology can be applied in work settings. As participant observers in organizations related to their career objectives, students learn to apply sociological knowledge, perspectives, and skills. In class meetings and individual consultations with the instructor, students examine the applied dimensions of sociology, the uses of sociology in various occupations, the ethical issues involved in applied sociology, and the culture and structure of their work organization.

## **SOC-400 Senior Seminar in Sociology**

3 credits

For sociology majors only. This seminar involves in-depth examination and research of a specific issue of current importance in the discipline. Learning to do sociology is emphasized. Prerequisites: SOC-201, SOC-301, SOC-314, MTH-120 or POL-230.

## **SOC-401 Sex and the Body in Society**

3 credits

Examines cultural meanings and social practices associated with sex and the body. Contemporary cultural norms and practices in the U.S. will be compared to other societies, historically and cross-culturally. Variations in sexual practices, ideals of sexual attractiveness according to age, gender, race, ethnicity, class and sexual orientation also will be discussed. Topics may include beauty industries (e.g. cosmetics, diet, fashion, surgery, drugs), sex and the workplace, the impact of media, social policy, and technology on ideals of sexual attractiveness, birth control, and sexual violence.

## **SOC-490 Independent Research and Study**

1-4 credits

Juniors or seniors who have completed at least 12 credit hours in sociology may propose an independent research project with the aid and advice of any full-time faculty member of the department. Proposals must be reviewed and approved by the sponsoring faculty member and submitted to the department's Independent Study Committee at least four weeks prior to the last day of classes for the semester preceding Independent Study.

## **SOC-491 Internship in Sociology**

1-4 credits

A supervised work experience in an approved organization to gain knowledge of applications of sociology in work settings and to analyze work settings using sociological knowledge and research methods. Placements are made in business, government, and community offices that utilize sociological knowledge or research skills.

## **SOC-496, SOC-497 Honors in Sociology**

3-6 credits

Training in the efficient collection of data that has a bearing on the problem being investigated. Stresses the technique of proper summarization of the collected material as well as the integration of that material into a comprehensive report. A research design is prepared and hypotheses tested in the field. The original library research is then combined with the findings to produce a mini-thesis. Approval of student's program by a sponsoring faculty member and the department Independent Study Committee is required. Prerequisites: SOC-201, SOC-301.

# Procedures and Policies

Undergraduate Academic Catalog • 06/07

[www.rider.edu](http://www.rider.edu)

# PROCEDURES AND POLICIES

## Admission Procedures

Rider University seeks to enroll students who will benefit from the University's academic resources while bringing diversity, talents, and energy to the campus environment. Rider offers two options for admission notification: (1) early action and (2) rolling admission. Candidates applying through the early action option must submit all required documents by November 15 and will be notified of the admission decision by December 15. Applications received under rolling admission will be reviewed once the file is complete and generally receive notification of the admission decision within four-six weeks.

### High School Seniors

To make application, high school seniors should complete and forward the application for admission, along with a \$45 application fee, either directly or through the high school guidance department, to the Rider University office of undergraduate admission. An official high school transcript is required as is an official report of scores received on the SAT (Scholastic Aptitude Test) or ACT (American College Testing program) exam. Standardized testing reported on the high school transcript will be considered official. A 150-word essay and two letters of recommendation are also required to be considered for admission. Other appropriate information may be submitted (e.g. personal statement) in support of an application.

Strong candidates for admission will present a high school record that includes (through senior year) 16 acceptable academic units from a college preparatory curriculum. Four units of English are required of all applicants, as are three units of mathematics, up to and including algebra II. Remaining units will be accepted from the academic disciplines of mathematics, science, foreign languages, social science and humanities.

### Transfer Admission

The primary determinant of transfer admission is the academic record an applicant has compiled over all prior college coursework. Accordingly, transfer applicants must submit a Rider application for admission, a \$45 application fee, a 150-word essay, two letters of recommendation, and ensure that official academic transcripts are sent to Rider by all postsecondary institutions previously attended. Applicants who have completed 30 credits at the college level need not submit a high school transcript for admission. However, students who receive federal financial aid must submit a high school transcript to the office of undergraduate admission to verify

graduation from high school. There is no minimum number of credits a student must earn before applying for transfer. Generally, courses completed with a grade of C or better that meet comparable Rider course requirements will be accepted for transfer. Courses are reviewed individually, however, and final determination of transferability rests with Rider's academic deans.

Grades from another college will not be counted as part of a student's GPA at Rider. Credits that are more than 10 years old are subject to reevaluation.

Some courses in the business administration curriculum are required at the junior or senior level. If such courses were taken at a lower level, they must be validated before transfer credit can be granted. Methods of validation differ from department to department and from course to course. However, typical methods of validation include examination and successful completion of a specified advanced level course. Specific validation procedures should be discussed with an advisor.

A student transferring from an accredited two-year institution may receive up to 60 credits, provided these credits are compatible with Rider degree requirements. Students transferring from a four-year institution may transfer up to 90 credits (maximum 75 in business).

All transfer students seeking either an associate or a bachelor's degree must complete their last 30 semester hours at Rider. In addition, candidates for the Bachelor of Science in Business Administration must complete a total of 45 semester hours at Rider, including the last 30 semester hours.

Students who have been dismissed from another institution may not apply for admission to degree programs until one year after the date of dismissal. Falsification or concealment of a student's previous record will be deemed sufficient basis for summary dismissal.

### International Students

To apply for admission, international students must complete the undergraduate application form along with the International Student addendum and submit it along with a \$45 application fee to the office of undergraduate admission. Transcripts from all secondary and post-secondary schools attended must be submitted including an English translation of courses completed and grades received.

The TOEFL examination is required of all international applicants whose native language is not English.

Students for whom English is their native language must submit scores received from

the SAT or ACT examination.

A notarized financial resource statement or notarized bank statement is required to demonstrate the student's ability to pay the total cost of attendance.

## Interviews and Tours

Interested students are encouraged, but not required to interview with a member of Rider's admission staff. Appointments and campus tours are available weekdays (10 a.m., 12 p.m. & 2 p.m.) and Saturday mornings when the University is in session and may be arranged by emailing [admissions@rider.edu](mailto:admissions@rider.edu) or calling the office of admission at 1-800-257-9026 or 609-896-5042.

Rider's campus is virtually barrier free. Rider extends a special invitation for physically disabled students to visit the campus, examine the physical facilities, and check the availability of support services.

No applicant to Rider University will be denied admission on the basis of race, color, creed, sex, national origin, or physical disability.

## Acceptance of Admission

### Commuter Students

In order to accept the Rider offer of admission, it is necessary to return the admission acceptance form together with a nonrefundable deposit of \$200 to the cashier's office. The deposit will be credited to the student's account.

### Resident Students

To accept the Rider offer of admission as a resident student, it is necessary to return the admission acceptance form and the housing agreement together with a deposit of \$400. Of this deposit, \$300 (\$200, tuition; \$100, room) will be credited to the student's account and is nonrefundable. The remaining \$100 will be held to cover possible damage to the residence hall facilities and is refundable if the student does not enroll.

Deposits are required of all students whether or not they are receiving financial aid.

## Final Official Transcripts

All new freshmen students to the University are required to submit a final, official copy of their high school transcript prior to enrolling.

# PROCEDURES AND POLICIES

## Registration

Registration is required of each Rider student. Registration consists of:

- Completing the course request form at the specified time;
- Paying tuition and fees in the cashier's office when due;
- Filling out and returning data forms;
- Receiving a class schedule;
- Receiving an I.D. card;
- Registering motor vehicles.

A student who fails to make payment in full within 10 days of the due date for tuition and fees may be cancelled from the courses and on-campus housing (if applicable). Those courses and housing assignments will then be assigned to students on the waiting list.

## Course Requests

Students entering Rider for the first time make their course requests during the February or summer orientation programs. Each succeeding semester, the registrar conducts a two-week course request period for students to indicate preferred courses for the following semester. Course requests are not completed until the student turns in the course request form to the registrar's office.

## Residence Life

The Rider housing policies and residence requirements are based upon a desire to grant as much independence to individual students as possible in choosing their residences and a sincere and documented belief that residence in university facilities has a positive educational effect. Rider's goal, therefore, is to provide suitable accommodations for every student wishing to live on campus and to make campus residence part of the educational process.

All students who live in a residence hall are required to take meals in the dining hall.

## Housing Agreement

To make a housing reservation, a student must submit the housing agreement together with a \$100 security and a \$100 housing deposit. The security deposit is held, until the student leaves Rider, to cover any damage to the residence halls other than that caused by ordinary wear and tear. The housing deposit will be held in the student's account and applied towards the room rent for the spring semester. Students who asked to be released from their housing contract for the spring semester forfeit both their housing and security deposits.

## Students Who Withdraw from The University

The housing deposit is non-refundable except to a returning student who withdraws for the fall semester prior to July 1, withdraws for the spring semester prior to January 20, or is academically dismissed.

## Veterans

Rider maintains a veterans affairs office to help veterans and eligible dependents obtain VA education benefits. The veterans affairs office, located in the registrar's office, provides veterans with information services and certification processes.

Rider's degree programs are approved under the Veterans Readjustment Act of 1966, as amended. To assure prompt and accurate certification, each veteran or eligible dependent is required to file a veteran's request for certification form. Students in the CCS and the graduate divisions should complete this form and return it to the veterans affairs representative in their respective colleges. Students enrolled as full-time day students or receiving benefits under Vocational Rehabilitation for Disabled Veterans should return this form to the veterans affairs coordinator in the registrar's office. No veteran or dependent will receive benefits unless this form is completed and filed with the appropriate veterans affairs representative.

Students filing for benefits at Rider for the first time must contact the appropriate veterans affairs representative.

## VA Monthly Educational Benefits for Full-Time Students

(Rates effective October 1, 1995)

Chapter 106 (National Guard) . . . . \$297  
Chapter 30 (Montgomery GI Bill)

. . . . . \$840-\$1,034  
depending on active duty obligation  
Chapter 35 (dependents) . . . . . \$827

Veterans can accelerate academic programs by receiving credit for certain educational programs completed in the service under USAFI agencies as well as through the College Level Examination Program (CLEP). To transfer credits from other institutions or for information on applicable study credits, contact the office of admissions and student financial services.

In view of the fact that many veterans have found it difficult to meet tuition payments by the date established by Rider for full payment of fees, all veterans enrolled in the day school who have been certified as eligible for veterans' benefits may be eligi-

ble for deferred payment of tuition. The plan of payment appropriate for a particular individual is determined by the veterans coordinator after review of the student's financial situation. Veterans who believe they may be eligible for additional financial aid from Rider should apply directly to the director of student financial services.

## Tuition and Fees

Typical undergraduate day expenses for the 2006-2007 academic year are estimated as follows:

### Undergraduate Tuition

Full-time comprehensive tuition  
(Fall and Spring semesters) . . . \$24,220

Per credit hour tuition . . . . . \$800  
Audit fee per course . . . . . \$180

### Room and Board

Residence rates on the Lawrenceville campus for the 2006-2007 academic year range from \$2,610 per semester for a standard double room to \$3,960 per semester for a four single bedroom apartment. Board for the 2006-2007 academic year is estimated at \$2,030 per semester. For more information on the wide variety of housing options and meal plans, please contact the Office of Residence Life at 609-896-5057.

### Student Mandatory Fees

New student orientation fee  
(New Fall students only) . . . . . \$225  
(New Spring students only) . . . . . \$50  
Student activities fee (academic year)  
. . . . . \$250  
Student teaching fee (academic year)  
. . . . . \$245

### Advance Deposits

Tuition deposit (new students only) . \$200  
Housing deposit . . . . . \$100  
Security deposit (payable only once with  
initial housing agreement) . . . . \$100

### Technology Fees

Full-time students . . . . . \$160/semester  
Part-time students . . . . . \$35/course  
CBA student laptop fee (academic year)  
. . . . . \$100

### Other Fees

Application fee (nonrefundable) . . . \$45  
Readmission fee (nonrefundable) . . . \$30  
I.D. card replacement fee  
(first replacement) . . . . . \$30  
Subsequent replacements . . . . . \$60



# PROCEDURES AND POLICIES

Student medical insurance plan (academic year)**	TBD
International student medical plan (academic year)**	TBD
Late registration fee	\$50
Late payment fee of tuition	\$100
Dishonored check fee, first time*	\$30
Dishonored check fee, after first time	\$50

\*Returned checks that have not been redeemed or made good by the due date will be assessed the late payment fee in addition to the dishonored check fee.

\*\*Subject to change based on market quotes.

The fees and charges set forth herein are subject to adjustment at any time. Questions regarding rates and fees should be directed to the bursar's office.

Expenses for the College of Continuing Studies (CCS) are on page 75. Summer session charges are in the summer session catalog, available from the CCS office.

The comprehensive tuition fee covers a normal academic load of between 12 and 17 credit hours per semester. Students are charged \$395 per credit hour in excess of 17 credits. The comprehensive tuition fee may not include audit and noncredit courses. Any questions regarding tuition charges should be directed to the bursar's office. Students taking one through 11 semester credit hours are charged \$800 per credit hour.

Eligibility for scholarships, loans, and housing may be jeopardized if a student registers for a part-time load.

Students receiving financial aid from federal government programs or agencies (for example the Veterans Administration, the Civil Service Commission or State Scholarship Commissions) must pursue a full-time course of study of 12 credits or more to meet the eligibility requirements for continued assistance. Most state programs have the same requirement.

## Deposits

### New Students

New commuting students are required to provide a tuition deposit of \$200. In addition, new resident students are required to provide a housing deposit of \$100 and a security deposit of \$100. The housing deposit is held in the student's account until it is applied to reduce the housing charges in the spring semester.

### Continuing Students

Continuing resident students who wish to reserve housing for the next academic year are required to provide a \$100 room deposit. That deposit is paid in the spring semester, and held in the student's account until it is applied to reduce the housing charge in the spring semester of the next academic year. No tuition deposit is required of continuing students.

### Waivers and Refunds

Students demonstrating full financial need may be eligible for full or partial waiving of deposit(s) by applying to the student financial services office. Housing and tuition deposits for new students are not refundable.

Housing deposits for continuing students are refundable if: (1) students provide written notice to the dean of students office by July 1 for fall semester or January 20 for spring semester. Notice must be received by those dates for a refund to the granted; or (2) the student is dismissed by action of the Committee on Academic Standing or the Judicial Board.

## Account Statements

Statements are sent to students at their local address (campus address if resident and to home address if commuter). The University will mail account statements to another address of the student's choice if a written request is submitted to the bursar's office.

## Terms of Payment

Tuition, fees, and charges for room and board are due and payable in two installments: August 2006 for Fall 2006 and January 2007 for Spring 2007. Students should mail their payments to be received by the due dates stated on the invoice. Students participating in Rider's Study Abroad programs have the same payment deadlines.

Payments may be made by check, cash, VISA, MasterCard, in person or by mail addressed to: Cashier's Office, Rider University, 2083 Lawrenceville Road, Lawrenceville, NJ 08648-3099.

Checks should be made payable to RIDER UNIVERSITY. International students should make payments in U.S. dollars. The student's name and social security number should be included on the check.

A monthly payment plan may be used to pay Rider costs. For additional information, contact:

Academic Management Services  
One AMS Place  
P.O. Box 991  
Swansea, MA 02777-0991  
800-635-0120

Students are asked to carefully consider the published payment deadlines. Prompt payment of student account balances ensures students keep the classes they selected in advance registration and their advance housing assignments. Balances unpaid after the deadlines or paid with checks returned by the student's bank will result in courses and housing reservations being cancelled, so please be aware of the deadlines.

### Financial Obligations

Students can meet their financial obligations to the University by paying their account balances in full or by enrolling in an approved deferred payment plan. Inquiries about account balances and payment options should be directed to the bursar's office in the Bart Luedeke Center, 609-896-5020.

Students must also be in good financial status with all organizations with which Rider has declared an official relationship, such as the New Jersey Higher Education Assistance Authority, in order to be officially registered.

Students with unmet obligations are not considered to have valid registrations. They may be prevented from attending classes, receiving transcripts, participating in advance registration for upcoming semesters, and under certain conditions, from graduating.

Liability for tuition costs will not be waived unless the student officially drops or withdraws from the course(s) for which he or she registered (see Refunds, below).

## Refunds

### Refunds Due to Withdrawals

No refunds of undergraduate day tuition or room and board will be made to any student who withdraws from Rider without the written permission of the dean of students, nor will any refund be made for absences or dismissal from Rider after the refund period. A student who fails to withdraw officially waives the right to consideration for any refund. All refunds are based upon the official withdrawal date and will be calculated from the official opening date of classes in accordance with the following schedule for the fall and spring semesters.

# PROCEDURES AND POLICIES

Prior to the official opening of classes (less deposits) . . . . .	100%
During the first week of any semester . . . . .	80%
During the second week of any semester . . . . .	60%
During the third week of any semester . . . . .	40%
During the fourth week of any semester . . . . .	25%

No refunds are made for withdrawals after the fourth week of any semester. Budgetary commitments require strict adherence to the policy regarding refunds. Appeals due to extenuating circumstances should be directed to the dean of students.

### Refunds Due to Leave of Absence

Students granted leaves of absence due to medical reasons or to fulfill a military obligation may be eligible for refunds or credits if they must withdraw involuntarily during a semester. Students granted leaves of absence may be given prorated credit for the unused portion of the semester calculated from the date the leave is granted.

### Refunds for Course Withdrawals

Full-time students who withdraw from courses during the two-week add/drop period revising their course load to less than 12 hours will be billed at the per credit hour day tuition rate.

The refund policy for Continuing Studies appears in that chapter of this catalog (page 75). Refund policies for summer session, and special programs may be found in the respective catalogs and announcements.

### Return of Title IV Funds

If a student withdraws from the institution, a calculation will be performed to determine the amount of financial assistance the student earned. A student earns aid based solely on the length of time she/he attended. If the amount of aid the student received is greater than the amount of aid that was earned a portion of the Title IV proceeds must be returned. No return of Title IV money will occur if the amount of aid earned exceeds 60 percent; at that point, a 100 percent is considered earned. This policy is independent of the Institutional Refund Policy.

## Student Financial Services (Financial Aid)

Rider University believes that no student should be denied a quality education for reasons of cost. Accordingly, the student financial services staff is committed to assisting families in making education affordable. All students and their families are encouraged to apply to determine eligibility for state, federal and institutional aid sources. There are no income cutoffs used to determine eligibility. Often students who do not anticipate receiving aid find themselves eligible for one or more types of financial assistance. Currently, 78 percent of Rider University undergraduate students receive some form of financial assistance.

### How to Begin

The first step in the annual financial aid application process is the filing of the Free Application for Federal Student Aid (FAFSA). To be considered for Rider University funds, including merit scholarships, all students should file the FAFSA with the federal processor by March 1. An earlier filing date is strongly recommended. It should be noted this is a priority filing deadline. Applications received after this date are awarded on a funds available basis. The FAFSA must be completed for all types of aid including the federal Stafford Loan.

### What the FAFSA Does

The information supplied on the FAFSA provides Rider University with a federally calculated amount that the filer's family can reasonably be expected to contribute toward college expenses. This figure is taken into consideration in relation to the total annual student expense budget to determine eligibility for financial assistance. By filing the FAFSA, students are applying for federal, state and institutional assistance. No other financial aid application will need to be filed.

### Awarding

The Rider University student financial services staff develops a financial aid award package that typically includes federal, state and/or Rider University grants, a loan portion, and a work study opportunity on campus if significant financial need is demonstrated. In addition, on the basis of academic merit, scholarship assistance awarded by the office of admissions may also be included. Other sources of funding include off-campus employment, and scholarships awarded by high schools, and civic and

business organizations. Additionally, a variety of loan programs and payment plans are available through independent agencies and financial institutions to assist in meeting college costs. In developing each applicant's financial aid award package, all resources (federal, institutional, state, and private) are expended to address individual student circumstances as well as deliver equal treatment for all applicants.

### Scholarship Programs

Rider University offers several major scholarship programs based solely on academic merit. To be considered for one of these academic scholarships: (1) you must be regularly admissible to the University as a full-time student and remain a full-time student while attending Rider; (2) you have to be a U.S. citizen or permanent resident; (3) qualifying GPAs must be based on a 4.0 scale; (4) for freshmen scholarship, completed high school coursework should reflect at least a college-preparatory level of study; (5) completed application for admission, including essay, recommendations, official SAT/ACT scores, fee, and transcripts, must be received by February 1 for freshmen scholarship consideration and by April 1 for transfer scholarship consideration; (6) Students must respond with their admission deposit by May 1. Cumulative GPA through seventh semester, December ACT, and January SAT will be latest academic information considered for awards. Rider only considers the critical reading and math components of the SAT. Freshmen awards may be renewed annually for a maximum of four years eligibility. Transfer awards are renewable for a maximum of three years. NOTE: If you qualify for more than one Rider academic scholarship, you will receive the award of greatest monetary value.

For each of the below listed awards, eligibility for federal and state grants and scholarships are taken into consideration:

### Presidential Scholarship

Presidential Scholarships of up to \$15,000 are awarded automatically each year to freshman students who meet the following criteria. Recipients typically average SAT scores totalling at least 1250 or ACT composite score of 28, and a cumulative high school GPA of 3.5 or better. Scholarships are annually renewable for students who remain enrolled on a full-time basis and maintain a cumulative grade point average of at least 3.0. Students must make application by February 1 of their high school senior year.

# PROCEDURES AND POLICIES

## Edward J. Bloustein Distinguished Scholarship

Recipients of the Edward J. Bloustein Distinguished Scholar Award, sponsored by the State of New Jersey, receive up to \$15,000 in the form of grants and scholarships from Rider. All candidates who qualify for this scholarship must meet the regular admission criteria. The scholarship is renewable on an annual basis provided the student remains enrolled on a full-time basis and maintains a GPA of at least 3.0.

## Provost Scholarship

Provost Scholarships range in the amount of \$12,000-\$14,000 and are automatic for incoming freshmen. Students who have typically qualified in the past have average SATs of 1150 or an ACT composite score of 25 or better and have a cumulative minimum high school GPA of 3.25 or better. The scholarship is renewable if the student maintains a cumulative GPA of 2.75. Students must make application for admission by February 1 of their senior year and respond with their admission deposit by May 1.

## Dean's Scholarship

Dean's Scholarships range in the amount of \$9,000-\$11,000 and are automatic for incoming freshmen. Students who have typically qualified in the past have average SATs of 1050 or an ACT composite score of 23 or better and have a cumulative minimum high school GPA of 3.0 or better. The scholarship is renewable if the student maintains a cumulative GPA of 2.6. Students must make application for admission by February 1 of their senior year and respond with their admission deposit by May 1.

## Founder's Scholarship

Founder's Scholarships range from \$6,000 - \$7,000 and are awarded automatically each year. Students who have typically qualified in the past have average SATs of 1000 or an ACT composite score of 21 or better and a cumulative high school GPA of 3.0 or better. The scholarship is renewable if the student maintains a minimum cumulative GPA of 2.5. Students must make application by February 1 of their senior year and respond with their admission deposit by May 1.

## Transfer Scholarship

Rider automatically awards transfer scholarships ranging from \$2,500-\$7,500 for students transferring to Rider University who have earned a minimum GPA of 2.50. The scholarship is renewable each year provided the student maintains full-time status with a GPA of at least 2.5. (Maximum eligibility of three years.) Students must make application by April 1 and respond with their admission deposit by June 1. In case of attendance at multiple institutions, GPA will be cumulative and based on all courses completed.

## International Scholarships

International students who have filed for permanent residency and can provide proof of this filing, will be eligible to receive the same scholarships afforded a U.S. citizen or permanent resident. (See description outlined in this catalog.)

Any student holding an F-1 visa studying at an American or international accredited school within the U.S. will also be eligible to receive the same scholarships outlined for U.S. citizens or permanent residents.

For international students holding an F-1 visa but not studying at an American or international school, a maximum of up to \$3,000 will be awarded automatically for students with a 3.0 grade point average or higher. The amount is at the discretion of the office of undergraduate admission and awarded based on availability.

All applicants must be regularly admissible to the University and meet the admission criteria for acceptance as an international student (page 158).

## Actors' Scholarship

Two full-tuition scholarships for actors are awarded to students chosen by audition for the Rider theater program. The scholarship is renewable provided the student remains enrolled on a full-time basis, majors or minors in fine arts, and auditions for at least three productions each year and accepts roles offered.

## Athletic Scholarships

Athletic scholarships are available to qualified student athletes. For further information on athletic scholarships, contact the athletics department at 609-896-5054 for the appropriate coach's name and extension.

## Rider University Financial Assistance Programs

Rider University offers a need-based program of financial aid, including a need-based grant awarded to students to offset university costs. Awards vary according to need and academic record, and the range of the award may vary. Students must file the FAFSA each year by the priority filing deadline and demonstrate financial need to be considered for these resources.

## Rider Grant

This is a need-based grant awarded to students to offset university costs. Awards vary according to need and academic record, and the range of the award may vary.

## Rider Loan

Rider loans are available to students who demonstrate financial need. Awards are based upon funds availability.

## Rider Advantage Program

The Rider Advantage Program benefits all first-time, full-time freshmen who receive a cumulative GPA of 3.00 or better by the end of their first year at Rider and who demonstrate leadership qualities.

By maintaining a 3.00 GPA during the freshman year, a student will receive a grant that matches the actual difference in tuition between the first and second year of college. Subject to academic performance, this additional grant will be awarded in the junior and senior years to help close the gap and minimize the impact of subsequent tuition increases.

Rider's full-time undergraduate tuition for the 2006-2007 academic year is \$24,070. If tuition were to increase by 5% next year (approximately \$1,200), eligible students would receive a grant valued at \$1,150.

This grant is renewable in the junior and senior years if the student maintains a 3.0 GPA, which is valued at over \$3,000 for the course of four years enrollment at Rider.

This grant is in addition to other financial aid and other scholarship awards that a student may receive based on family circumstances.



# PROCEDURES AND POLICIES

## State and Federal Programs

Rider University participates in the following federal and state financial aid programs. These programs, in conjunction with Rider University and other assistance programs, provided more than \$70 million to Rider University students for the 2005-2006 academic year.

### Federal Pell Grant

These entitlement awards range in value from \$400 to an expected \$4,050 per year based upon high financial need.

### Federal Supplemental Educational Opportunity Grant

These campus-based grants are available to students who demonstrate high financial need. Awards are generally less than \$1,000.

### Federal Perkins Loan

These loans are available to eligible students who demonstrate high financial need. Being campus based, funds are limited. The interest rate is five percent and repayment begins nine months after leaving school.

### Federal Work Study

Employment on- or off-campus is provided to eligible students through this work program. Typically students average about 10 hours per week when classes are in session.

### Federal Family Education Loan Programs

#### Subsidized Stafford Loan Program

Students enrolled at least half-time are eligible to participate in the federal Stafford Loan Program. Freshmen may borrow \$2,625, sophomores \$3,500, and junior and senior students may borrow a maximum of \$5,500 per academic year provided the subsidized loan together with grants, scholarships and other loans does not exceed the student's financial need. The federal government will pay the loan's interest until six months after graduation, or withdrawal, or when the student ceases to be enrolled at least half-time. Interest on this loan is variable and is established each year by the federal government.

## Unsubsidized Stafford Loan

Students ineligible for the subsidized program may participate in the unsubsidized federal Stafford Loan Program. In this program the student rather than the federal government is responsible for the interest during periods of enrollment.

### Parent Loan for Undergraduate Students

This loan is for parents of undergraduate dependent students. Parents may obtain a PLUS loan up to the amount of the student's cost of education less financial aid assistance.

## State Grants

The State of New Jersey sponsors a range of programs for New Jersey residents including:

### Tuition Aid Grant (TAG)

The amounts of the grant differ in value based on the student's need. These grants ranged from \$1,452 to \$9,026 in the 2005-2006 academic year. NOTE: State grant recipients who enroll for fewer than 12 credits during the last term of the final year of their program of study are considered full-time for purposes of TAG eligibility certification.

### Educational Opportunity Fund Grant

Undergraduate grants for eligible students were \$2,500 for the 2005-2006 academic year.

## Personal Policies

### Protection of Personal Privacy

Access to student records may be accorded to Rider personnel with a legitimate educational interest in the records. Information may be released to other agencies and individuals according to these policies in compliance with the Family Privacy Act of 1974 (as amended):

- Rider may release the following information without written permission from the student: fact of enrollment, dates of enrollment, degree candidacy, degree awarded, and major field.
- Rider may release the following information unless the student has requested in writing that the information not be released: name, home and local address, and home and local telephone number.

No other information concerning an individual will be released without the written permission of that person.

## Harassment

Rider reaffirms its desire to create an academic and work environment for all students, faculty, staff, and administrators that is not only responsible but supportive and conducive to the achievement of educational/career goals on the basis of such relevant facts as ability and performance. All students, faculty, staff, and administrators have the right to expect an environment that allows them to enjoy the full benefits of their work or learning experience. Harassment is any action that threatens, coerces, or intimidates individuals or classes of individuals because of their racial, sexual, ethnic, or religious identity or because of such characteristics as age or physical disability.

## Sexual Harassment

Rider University is committed to sustaining an environment for teaching, learning, employment, and participation in other University programs or activities that is free of sexual harassment. It is the policy of the institution that no member of the community may sexually harass another. Sexual harassment is defined as unwelcome sexual advances, requests for sexual favors, and/or physical, verbal or written conduct of a sexual nature when:

1. Submission to such conduct is made explicitly or implicitly a term or condition of an individual's employment, education, or participation in University programs or activities; or
2. Submission to or rejection of such conduct by an individual is used as a basis for decisions pertaining to an individual's employment, education, or participation in University programs or activities; or
3. Such speech or conduct is directed against another and is abusive or humiliating and persists after the objection of the person targeted by the speech or conduct; or
4. Such conduct would be regarded by a reasonable person as creating an intimidating, hostile or offensive environment that substantially interferes with an individual's work, education, or participation in university programs or activities.

In the educational setting within the University, as distinct from other work places within the University, wide latitude for professional judgment in determining the appropriate content and presentation of academic material is required. Conduct, including pedagogical techniques, that serves a legitimate educational purpose does not constitute sexual harassment.



# PROCEDURES AND POLICIES

Those participating in the educational setting bear a responsibility to balance their rights of free expression with a consideration of the reasonable sensitivities of other participants.

Nothing contained in this policy shall be construed either to (1) limit the legitimate exercise of free speech, including but not limited to written, graphic, or verbal expression that can reasonably be demonstrated to serve legitimate educational, artistic, or political purposes, or (2) infringe upon the academic freedom of any member of the University community.

A copy of this policy will be widely distributed and prominently displayed so as to assure that all members of the Rider community are aware of their rights and responsibilities under this policy.

## Student Conduct Policy

Students at Rider University are expected to abide by the basic principles of integrity, honesty, and respect. To define these principles, Rider has established regulations and policies to govern student conduct in both academic and social matters. These have been designed to allow each student the greatest possible freedom, consistent with the welfare of the community. All students are expected and urged to abide by these regulations that are spelled out in detail in *The Source*, the student handbook. In some instances, failure to abide by the code of conduct may result in dismissal or suspension.

## Compensation for Performances

Students may from time to time participate in events or promotions sponsored by the University, including situations for which proceeds are received by the University. A student shall have no right or claim to any payment or proceeds from any entertainment, promotional, or publicity items, events or activities, including events or activities of an artistic or athletic nature. By registering in and attending the University, each student acknowledges that he or she has no right to payment for participation in any University event or payment for participation in sound or sight reproductions of any University event; and to the extent that any rights to any payment may exist, he or she assigns all such rights to the University, together with any and all copyrights, and waives all causes of action pertaining or related to such rights.

## Academic Policies

### Attendance

Since absences hinder the work and standing of a student, all students are expected to be in regular attendance at all class meetings throughout the academic year. The question of excusing absences will be left to the individual instructor. Faculty members are expected to take into consideration validated absences due to field trips, religious activities, participation in varsity athletics, placement interviews for graduating seniors, and illness sufficiently serious to be certified by either Rider or a family physician.

It is the responsibility of the student to inform his or her instructors of the nature and extent of an absence or anticipated absence.

Rider expects classes and exams to meet according to the established academic schedule. When a faculty member must be absent, Rider will make every reasonable effort to cover the class or exam.

### Academic Classification

A student must carry 12 credit hours or more (or the equivalent) in a regular semester to be considered a full-time student. Normal progress toward a degree and academic classification consists of the following credit advancement:

Freshman	.....0-23 hours
Sophomore	.....24-53 hours
Junior	.....54-89 hours
Senior	.....90 or more hours

Students receiving financial aid from any source need to be particularly concerned with their full-time status and with making normal progress toward a degree.

### Grade Reports

Members of the faculty are officers of instruction at Rider. Among their responsibilities as such is the evaluation of students' academic accomplishments in courses of instruction. These evaluations ultimately are expressed in grades that are recorded in the student's academic record. Members of the faculty, judging the competencies and performances of students, assign grades based on their professional experience and training. Grades assigned by the faculty follow practices and procedures within the standards established by Rider and within the standards established by individual course requirements.

Letter grades are used at Rider for recording faculty evaluations of final student achievement in individual courses and are

entered on the permanent academic record of a student's academic performance.

The academic grades used by faculty for recording evaluations of student achievement are as follows:

A	B-
A-	C+
B+	C Fair
B Good	C-
D	Poor; minimum passing grade
F	Failing academic work; failing to abide by standards of academic honesty and integrity; unauthorized withdrawal; and failing to complete course work in prescribed time period

For determining grade point averages, the grades above have weighted values, called variously honor points, quality points, or grade points, as follows:

A 4.0	B- 2.7	D 1.0
A- 3.7	C+ 2.3	F 0.0
B+ 3.3	C 2.0	
B 3.0	C- 1.7	

Each instructor of a course will inform the student of the course objectives, procedures, and applicable grading standards. Upon a student's written request, members of the faculty will provide a review of the student's course work at least once each semester by the midpoint of that term. Each student also may review material submitted to the instructor for evaluation, such as papers, examinations, and the like. In these ways, students are able to assess their own progress in a course before final grades are assigned.

(Note: Faculty members are not required to maintain student course materials more than four months after the end of an academic term.)

A student's grade report also may show the following transcript notations, which carry no grade point value:

I	Incomplete
L	Late grade
N	Registered; did not attend
P	Passing
S	Satisfactory progress
U	Failure in pass/fail course
W	Withdrew
X	Audit
Y	Satisfactory completion of supplemental education course
Z	Insufficient progress in supplemental education course

N and W notations are included in the total semester hours attempted as far as tuition payment is concerned.

# PROCEDURES AND POLICIES

## Policy for Grade of Incomplete

Students who, as a result of extenuating circumstances, are unable to complete the required work of a course within the normal time limits for the term may request an extension of time from the faculty member. Such extensions of time should be granted only in cases in which illness or other serious emergency has prevented the student from completing the course requirements or from taking a final examination. The request for extension of time must be made prior to the last scheduled class meeting except in those unusual situations in which prior notification is not possible. The faculty member shall determine whether or not to grant the request for a time extension and the type of verification (if any) required to support the request. The faculty member shall specify the time, up to four weeks from the last date of the term, by which work must be completed by the student. If the faculty member agrees to the request, the notation "I" (incomplete) is submitted on the grade roll. In those situations where the faculty member has not received a request for an extension of time, the notation "I" (incomplete) may be submitted on the grade roll by the faculty member when, in his or her judgment, such a determination appears justified. Upon submission of completed required work, the faculty member will submit a change-of-grade form to the registrar.

Students who, as a result of extenuating circumstances, are unable to submit the required work at the end of the four-week period may request an extension of the incomplete grade. The request for an extension of the incomplete must be made prior to the expiration of the four-week period. If the faculty member agrees to the request for an extension, the faculty member shall specify the time, up to a maximum of two weeks from the date of expiration of the four-week period (i.e., six weeks from the last date of the term) by which work must be completed by the student and shall submit an extension-of-incomplete form to the registrar. Upon submission of completed required work, the faculty member shall submit a change-of-grade form to the registrar.

Failure of the registrar to receive from the faculty member a change-of-grade form or an extension-of-incomplete form at the end of the four-week period, or a change-of-grade form at the end of the six-week period, shall result in the automatic assignment of the grade F by the registrar.

## Dean's List

The Dean's List is published at the end of each semester to announce academic honors. To be placed on the Dean's List, a student must be enrolled full-time and have a 3.25 GPA with no grade below C. Part-time students in the College of Continuing Studies are also eligible.

## Graduation with Honors

Graduation with distinction depends upon the achievement of exceptionally high scholastic averages and completion of all requirements. This distinction is reflected by the awarding of degrees cum laude, magna cum laude, and summa cum laude. Graduation with distinction is awarded on the following basis:

Summa cum laude . . . . . 3.75-4.0 average  
Magna cum laude . . . . . 3.5-3.74 average  
Cum laude . . . . . 3.25-3.49 average

Grade point averages are computed only on work taken at Rider.

## Course Withdrawals

Students may drop courses during the first two weeks of a semester at their own discretion. Students may withdraw from courses and receive a grade of W during the third through seventh weeks of the semester. In the semester's eighth through 11th weeks, students may withdraw from courses with the written consent of the course instructor and receive a grade of W. After the end of the 11th week of a semester, students may withdraw from courses and receive a grade of W only for documented involuntary reasons (such as medical incapacity). Such validated reasons shall permit a student to withdraw from courses with a grade of W at any time beyond the add/drop period. Reasons must be validated by the academic dean of the college in which the student is enrolled (in consultation with the dean of students).

Withdrawal policies during special sessions observe time limits proportional to the time limits of a regular semester. Course withdrawal forms are available in the registrar's office and in the CCS office for its students.

## Conditional Standing, Dismissal and Readmission

All students permitted to enroll at Rider are in good standing and are qualified to be bona fide students. Decisions regarding academic conditional standing and dismissal for poor scholarship are the responsibility of the Committee on Academic Standing within each college.

Because a 2.0 or better cumulative GPA is required for graduation, a student is expected to maintain at least a 2.0 cumulative GPA while enrolled at Rider. A student who fails to maintain at least a 2.0 cumulative GPA will be reviewed by an academic standing committee and may be dismissed or placed on conditional standing.

Students who have not done satisfactory work may be dismissed for poor scholarship at the end of any semester after an appropriate review of their scholastic records by the academic standing committee. There must be substantial evidence of proper motivation and a capacity for doing college-level work to warrant maintaining a student with a record of continued conditional status. An academic standing committee may require a student who does unsatisfactory work to pursue a specific course of study during a particular academic session. A student who fails to pursue a course of study prescribed by an academic standing committee, or who does unsatisfactory work in the prescribed course of study, may be dismissed without the right of further appeal.

Students who wish to appeal a dismissal must submit a written statement of appeal to the academic dean of their college within 10 days from the date on their letter of dismissal. All appeals submitted by the deadline will receive consideration by the appropriate academic standing committee.

Academic dismissal at the end of the fall semester is effective prior to the beginning of the spring semester.

Dismissal for academic reasons terminates a student's relationship with Rider. Although some students will apply for readmission, there is no real or implied right to such readmission. A student dismissed for academic reasons normally will not be eligible for readmission within one calendar year of the dismissal date. Decisions concerning readmission are made by the Committee on Academic Standing of the college to which the student seeks readmission.

# PROCEDURES AND POLICIES

## Leave of Absence

Students who withdraw from the University for medical incapacity, active military service, family crisis, or to pursue a specific academic or professional alternative may apply for a leave of absence. The dean (in consultation with the dean of students) may grant the leave upon receipt of appropriate documentation. Medical leaves are for one year. Military leaves are renewable up to four years. Academic status is the same upon return provided that appropriate programs and courses are offered or can be substituted. Medical clearance is required for approval for return.

Students granted leaves of absence may be eligible for refunds or credits if they must withdraw involuntarily during a semester. Students granted leaves of absence for medical reasons will be given prorated credit for the unused portion of the semester calculated from the date the leave is granted.

## Voluntary Withdrawal and Readmission

A student withdrawing is required to submit the withdrawal in writing and to surrender his/her identification card. Failure to comply with this requirement may preclude any further enrollment. An unapproved withdrawal results in failure in all scheduled courses. Additional, relevant policies are as follows:

### 1. Withdrawal from the University effective during the term:

Withdrawals from the University effective during a term may be approved during the first 11 weeks of classes (registrar will provide withdrawal deadlines for each term). A University withdrawal form is completed and filed (or written/signed notification of intent to withdraw is received). Withdrawals from the University are not approved after the withdrawal deadline except when involuntary (for such reasons as medical incapacity) as judged by the dean in consultation with the dean of students. All grades are entered on transcript as W.

### 2. Withdrawal from the University effective other than during the term:

Withdrawals from the University effective other than during an enrolled term may be approved by the dean of the college (or by the dean of students) upon receipt of a University withdrawal form (or written/signed notification of intent to withdraw). Students who have failed to complete registration by the registration deadline for a regular term may be withdrawn by the dean (or by the dean of students). The students are sent a notice of the action. The effective date is retroactive to a date prior to the beginning of classes. If students are withdrawn for failure to complete registration, courses will be dropped from the transcript.

### 3. Dropping a course in the first two weeks:

Courses may be dropped by a student prior to the end of the second week of classes of a semester (or proportionate time for shorter terms) by submitting the appropriate form to the dean's office/registrar (or by electronic means with confirmation of the transaction). Dropped courses are removed from class rosters and do not appear on transcripts.

### 4. Course withdrawal from the third to the seventh weeks:

Students may withdraw from courses from the third week through the seventh week of semesters (or proportionate times for shorter terms) by submitting completed course withdrawal forms to the dean's office/registrar.

### 5. Course withdrawal from the eighth week to the last two weeks of class:

In the semester's eighth week up to the last two weeks of classes in a semester, students may withdraw from courses with the written consent of the course instructor and receive a grade of W. (Proportionate times are used for shorter terms.)

### 6. Course withdrawal in the last two weeks of the term:

Students may withdraw from courses during the last two weeks of classes or finals (or proportionate times for shorter terms) only for documented involuntary reasons (such as medical incapacity) with the approval of the dean (in consultation with the dean of students).

### 7. Readmission:

Each college or school grants readmission to students in accordance with policies and procedures specified by the Academic Policy Committee and academic standing committee of each college or school/program.

# Campus & Facilities

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[www.rider.edu](http://www.rider.edu)



# CAMPUS AND FACILITIES

Rider University's 280-acre Lawrenceville campus is in Lawrence Township, New Jersey, on Route 206, a quarter-mile south of I-95, five miles south of Princeton, and three miles north of Trenton. The modern facilities, designed to meet the academic, social, and recreational needs of the Rider community are clustered and within easy walking distance of one another. Ample parking is available.

Memorial Hall, the Science and Technology Center, the Fine Arts Center, the Joseph P. Vona Academic Annex, the Stephen A. Maurer Physical Education Building, and Anne Brossman Sweigart Hall contain the classrooms and laboratories for all curricula.

In the fall of 2005, the university community celebrated the opening of a new residence hall and a 42,000-square-foot Student Recreation Center. The new residence hall and three-story additions to Hill and Ziegler halls on the north side of the main mall provide a sweep of attractive brick façade that stretches more than 550 feet. Across the campus mall, the Student Recreation Center features a state-of-the-art fitness center, three multipurpose courts, elevated jogging track and new locker rooms. A glass-fronted, 9,000-square foot atrium/lobby links the SRC with Alumni Gymnasium and is a gathering place for students. The new structures on both sides of the mall complement each other in look and style and are visual examples of the renewal taking place at Rider.

## The University Libraries

Rider's libraries are at the center of intellectual life of the University, stimulating pursuit of free and critical intellectual inquiry through collaborative intellectual partnerships. A well-qualified faculty and staff support the information needs of students, faculty, staff, alumni, and friends by offering access to scholarly collections and information sources. Fostering the development of information literacy and enhancing connections between teaching and learning for life-long success is heavily emphasized. The libraries seek to provide welcoming surroundings conducive to the use and conservation of the diverse collections.

### Lawrenceville Campus

The Moore Library collection includes a wide variety of materials to meet a broad range of learning styles. More than 425,000 print volumes, 616,000 microform volumes, access to more than 12,000 periodical titles in a mix of print and electronic formats, and a wide variety of electronic research tools make up the library. Housed in the Franklin F. Moore Building, the library is available to students, faculty, staff, and visiting researchers.

Electronic access to the online catalog, a vast array of databases and other finding aids, as well as the Internet, are provided in public areas and two instructional facilities in the library. A laptop loan program provides additional computing resources for use in the library.

A strong service program includes customized individual and group information literacy instruction, a vigorous reference service, and an inter-library loan program, as well as on-site access programs to many other libraries.

A newly refurbished reference and periodical reading room provides comfortable seating in an attractive environment conducive to reading and study. More than 1,000 current periodicals in paper formats are attractively displayed, along with a large selection of current newspapers.

Viewing and listening rooms are available to complement the collection of moving image materials. In addition, the Amy Silvers Study Room is equipped to support the needs of students with special needs.

A new extended hours study lounge at the entrance to the Moore Library provides a comfortable late night study venue, as well as additional food friendly study space throughout the regular daytime hours.

### Princeton Campus

The library at Westminster Choir College is housed in the Katherine Houk Talbott Library Learning Center. These collections comprise more than 60,000 books, music scores and periodicals, approximately 5,000 choral music titles in performance quantities, a choral music reference collection of more than 80,000 titles, 200 current periodical titles in print, as well as access to more than 12,000 titles electronically, and more than 13,000 sound and video recordings. Exceptional holdings are found in the library's special collections.

Talbott Library's score and sound recording collections cover all musical styles, genres, and periods at a basic level, but are concentrated more heavily in the areas of choral, vocal, keyboard, and sacred music. Of note are collected works of many individual composers, monuments of music, an extensive piano pedagogy collection, instructional material for music education in primary and intermediate schools, and holdings both broad and deep in choral music, keyboard music, and hymnals. The library collects multiple print editions of many music titles for comparison of editing practices and multiple recordings of many titles for comparison of performance practices.

Talbott Library shares in Rider University's online library system. About

two-thirds of Talbott Library's materials – approximately 40,000 items – are represented in the online catalog and are available on the Web (<http://library.rider.edu>). An on-going project includes entering data for extensive choral music holdings into the international choral music databases, Musica (<http://www.MusicaNet.org>).

## Bart Luedeke Center

Located on the lower level of the Bart Luedeke Center are the cashier's office, the University store, a snack bar opening onto the Bart Luedeke Center patio, the Rider Pub, the campus radio station (WRRRC), and the offices of the College of Continuing Studies. Both the snack bar and campus pub have selected evening hours.

On the second floor are the campus information desk, a 370-seat theater, the Cavalla Room (a multipurpose room adjacent to a terrace), and a TV lounge. The remainder of the floor houses some of the major student organizations in newly renovated offices – the Student Government Association, the Residence Hall Association, the Association of Commuter Students, the Student Entertainment Council, the Interfraternity Council, the Panhellenic Council, and the Minority Greek Council. Also located on the second floor of the Bart Luedeke Center is the Dean of Students office along with many student affairs offices, including the Office of Campus Activities, the Multicultural Center, the Office of Residence Life, the Office of Student Administrative Services, the photo I.D. room, and the University ticket booth. These groups are all housed together in a newly created Student Affairs Suite.

The University Art Gallery is located on the third floor of the Bart Luedeke Center. The Office of Student Financial Services and the Bursar are also found on the third floor. The Career Services Center is housed here along with the Fireside Lounge (Room 245).

## Rider University Store

Located in the Bart Luedeke Center, the University Store is a full-service facility for the Rider community.

In addition to both new and used required books, a large selection of general reading and reference books, supplies, and Rider imprinted items is available. The store offers a complete line of greeting cards, gifts, and magazines, a wide assortment of food, snacks, health and beauty aids, and daily and weekly newspapers.

# CAMPUS AND FACILITIES

The store is open Monday-Thursday, 8:30 a.m. to 7 p.m., Friday, 8:30 a.m. to 5 p.m., and Saturday 10 a.m. to 2 p.m., as well as during the weekend prior to the beginning of each fall and spring semester and additional weekday evening hours at the beginning of each semester.

## Office of Information Technologies

The Office of Information Technologies (OIT) is responsible for university technology including computing, voice, and cable television services. Up to date, detailed information about these services and how to utilize them is located on the technology pages of the university Web site (<http://www.rider.edu/technology>). The OIT Help Desk, located in the Moore Library, provides support to students, faculty, and staff. Walk-in Help Desk hours are 9:00 a.m. to 5:00 p.m. Monday through Friday during the semester. For your convenience, requests for support can be submitted to the help desk staff in three ways. Walk-in, by phone, (609) 219-3000 (off campus) or X3000 (on campus), or via the Web at <http://easypass.rider.edu>. Wireless (802.11b) access is available in most academic buildings on both the Lawrenceville and Princeton campuses. The university wireless network is called "nowires."

Also, for your convenience, there are two general access labs containing PC computers and laser printers, one in the Bart Luedeke Center, and one in the Fine Arts Building. Open lab hours and locations are posted on the office of information technologies Web site. In addition to these general access labs, there are kiosks containing PC computers and print stations in various locations. Academic department computer labs and electronic classrooms are located in Anne Brossman Sweigart Hall, Memorial Hall, Fine Arts Center, and The Science and Technology Center. Departmental lab hours may vary and are posted for each lab. Student assistants are available to aid in the use of the equipment and software in most labs.

Each registered student receives an e-mail account and Easypass account for the office of information technologies.

All Rider students can access these services without charge. OIT administrative and staff offices are located in Centennial House.

## Department of Public Safety

The department of public safety is open 24 hours a day, including holidays. Public safety should be contacted whenever there is an emergency or a serious incident. The public safety department personnel can provide emergency transportation for disabled students. The emergency telephone number is 896-5321.

## Special Study Opportunities

Rider University offers several special study opportunities including a Study Abroad Program, Baccalaureate Honors Program, and an Education Enhancement Program. Information on these special programs is in the Core Curriculum and Study Opportunities chapter, beginning on page 3.

## Student Life

Life at Rider University is more than just a classroom experience. Students have the option to live on campus, which provides them with an opportunity to be exposed to a variety of life styles, beliefs, attitudes and values. Another opportunity for students is Greek life. Greek life has a long tradition at Rider University with more than 15 percent of the undergraduate population involved in a social fraternity or sorority. Programs and services for commuters are also provided to involve students in campus life.

Undergraduate students are represented by elected officers who are members of the Student Government Association. Participation and involvement in extracurricular activities is strongly encouraged with the opportunity for students to participate in more than 100 clubs and organizations. Student leaders make the programmatic decisions for more than \$300,000 collected from the mandatory student activities fee.

The Rider athletics department sponsors 20 NCAA Division I varsity intercollegiate programs. In addition, every student has the opportunity to participate in some form of athletics through the intramural athletics program.

## Student Health Services

Rider University operates Student Health Services on the Lawrenceville and Princeton campuses. Student Health Services will evaluate and treat students that present with minor ailments or accidents. Treatment may include diagnostic services through a local laboratory, allergy injections, inhalation therapy, crutches, vaccinations, medication and reproductive health care. Referrals to the counseling center, medical specialists, dentists and local emergency departments can be arranged through Student Health Services.

The Health Center on the Lawrenceville campus is open 8:30 a.m. to 4:30 p.m. Monday through Friday. The Health Office on the Princeton campus is open 4 hours per day Monday through Friday. The hours, which change from day to day, are listed on the Rider University Student Health Services Web page which can be accessed at [www.rider.edu/health](http://www.rider.edu/health). Both offices are staffed by a registered nurse. A physician is available during the fall and spring semester during posted hours.

There is no fee for services. Students will be billed for medications and vaccinations.

## Career Services

The office of career services, located in the Bart Luedeke Center, serves students in several ways. Through individual counseling, small group sessions, the career services Web site and assistance in the career resource library, this office seeks to help students gather realistic information on which to base curricular choices and to begin making career decisions. Current information on specific occupations as well as general information on choosing a career field and job hunting is maintained on line at [www.rider.edu](http://www.rider.edu) and in the career resource library. Early attention to realistic career alternatives and requirements can often prove helpful in planning satisfactory college programs.

General information on planning for graduate study and fellowship announcements is located in this office. Students considering graduate work are urged to make initial inquiries early in their college career in order to become aware of the wide variety of programs and financial aid opportunities.

The career services office assists students in planning their search for suitable employment. On-campus interviews are scheduled for seniors with representatives

# CAMPUS AND FACILITIES

from the corporate world, not for profit, education and government. Recruiting interviews are held in the fall and spring. Assistance is available in preparing resumes and cover letters. Students are urged to gather references from faculty members at several points during their college careers. The office is open daily Monday through Thursday, 8:30 a.m. to 8 p.m., and until 5 p.m. on Friday.

## Parking and Vehicle Regulations

Rider provides ample parking for students. All vehicles operated on the campus by Rider students must be registered with the security office and must display the proper identification decal. The cost for vehicle registration and a parking permit is included in tuition. Failure to register a vehicle and properly display the decal will result in a fine. Student parking is restricted at all times to the student parking lots. The conduct of official Rider business by a student will not be considered a valid reason for parking in any other area. Students are responsible for adhering to the campus traffic regulations. These regulations and further vehicular information are available from the offices of the dean of students and the College of Continuing Studies.

## Hours of Operation

All administrative offices are open Monday through Friday, 8:30 a.m. to 5 p.m. (4:30 p.m. during the summer). The Office of Graduate Admissions is open Monday through Friday, 8:30 a.m. to 5 p.m., and until 8 p.m. on Thursday, by appointment.

Library hours during the academic year are 8 a.m. to midnight, Monday through Thursday; 8 a.m. to 8 p.m., Friday; and 10 a.m. to 7 p.m., Saturday. Sunday hours are 11 a.m. to midnight. Summer sessions and other periods vary; see schedules as posted.

The office of student financial services is open Monday through Friday, 8:30 a.m. to 5 p.m. (4:30 p.m. during the summer), and Saturday from 9 to 11:30 a.m. by appointment when Rider is in session.

## Cancellation of Classes

Ordinarily, Rider will remain open and fully operational during snowstorms and other emergency situations. However, under extreme conditions it may become necessary to close Rider and to cancel classes. If such circumstances should arise, please call the Rider University information hotline at 609-219-2000, and select option 1. The Rider Web site will also announce cancellations.

In addition, the cancellation of classes for weather-related emergencies will be broadcast on:

KYW	1060-AM	Philadelphia
WBUD	1260-AM	Trenton
WCHR	1040 AM	Flemington
WCTC	1450-AM	New Brunswick
WMGQ	98.3-FM	New Brunswick
WHWH	1350-AM	Princeton
WPST	94.5-FM	Princeton
WTHK	97.5-FM	Princeton
WBCB	1490-AM	Levittown
WKXW	101.5-FM	Trenton
WIMG	1300-AM	Trenton

Philadelphia area radio stations cooperating with the KYW Storm Center will identify Rider by the number 923 for day classes and 2923 for evening classes.

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**Undergraduate Academic Catalog • 06/07**

**[www.rider.edu](http://www.rider.edu)**



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# Guide

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## GUIDE

This catalog contains curricular offerings of Rider University (Lawrenceville campus) for full-time and part-time undergraduate students. Information about graduate programs in the College of Business Administration and the School of Education are available in a separate publication, available in the College of Continuing Studies (CCS) office, the office of graduate services, and the offices of the deans.

Full-time undergraduate students should refer to the procedures and policies chapter for an overview of pertinent information, as well as the academic calendar for 2006-2007. All policies and procedures, including the University's judicial system and social code, are described in detail in *The Source*, a student handbook published by the office of the dean of students.

For curricular matters, full-time undergraduates should refer to the core curriculum and study opportunities chapter, the chapter on their program of study and the course descriptions. Part-time undergraduates in CCS should also read the chapters on procedures and policies, and core curriculum and study opportunities. Procedures and policies specifically geared to CCS students, as well as the CCS calendar, are included in the CCS chapter. (CCS students should also refer to *The Source*.)

All curricular offerings are described in the CCS chapter as well, but course descriptions are in the course descriptions chapter. Please note that while the course numbers, titles and contents apply to all undergraduates, the semester designations apply only to day students. CCS students should refer to the CCS course roster, available in the CCS office, for semester scheduling information.

Summer session offerings are in a separate publication available in the CCS office. Details about offerings at Westminster Choir College are in the Westminster Choir College academic catalog.

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**For a staff phone/e-mail directory or more information, please visit [www.rider.edu](http://www.rider.edu).**

**For a map of the Rider University campus in Lawrenceville, please go to [www.rider.edu](http://www.rider.edu) or see front of this catalog.**