

UNIVERSITY OF MARYLAND

your summer!

SESSION I: June 1-July 9

SESSION II: July 12-August 20



Calendar of Important Dates

Summer Session I

Monday, March 29 Registration begins for Session I
 Friday, May 21 Deadline for mail or fax registration for Session I
 Friday, May 28 Deadline for registration for Session I
 Monday, May 31 University closed for Memorial Day
 Tuesday, June 1 Session I begins
 Tuesday, June 1 Late registration (\$20 fee) for Session I begins
 Monday, July 5 University closed for Independence Day
 Friday, July 9 Session I ends

Summer Session II

Monday, March 29 Registration begins for Session II
 Friday, July 2 Deadline for mail or fax registration for Session II
 Friday, July 9 Deadline for registration for Session II
 Monday, July 12 Session II begins
 Monday, July 12 Late registration (\$20 fee) for Session II begins
 Friday, August 20 Session II ends

Housing—Summer Session I and II

Friday, April 16 Priority deadline for summer housing requests
 Monday, May 10 Deadline for release from Residence Hall Agreement for Session I
 Sunday, May 30 Residence halls open for Session I residents
 Monday, June 21 Deadline for release from Residence Hall Agreement for Session II
 Friday, July 9 Session I residents not enrolled in residence halls for Session II must vacate by 7 p.m.
 Sunday, July 11 Residence halls open for Session II residents
 Friday, August 20 Residence halls close

Important Telephone Numbers

Offices:

Summer Sessions Office	telephone	(301) 405-6551 or (800) 711-UMCP
	fax	(301) 314-9572
	email	summer@umail.umd.edu
	Internet	www.inform.umd.edu/summer
	address	2103 Reckord Armory, College Park, MD 20742
Undergraduate Admissions Office		(301) 314-8385
	email:	um-admit@uga.umd.edu
Graduate Admissions Office		(301) 405-4198
	email:	grschool@deans.umd.edu
Office of the Registrar		(301) 314-8240
	email:	testudo@accmail.umd.edu
Bursar's Office		(301) 405-9041
	email:	billtalk@umdacc.umd.edu
Housing (Office of Resident Life)		(301) 314-2100
	email:	reslife@umdacc.umd.edu

Schools and Colleges:

Agriculture and Natural Resources	(301) 405-2072
Architecture	(301) 405-6284
Arts and Humanities	(301) 405-2088
Behavioral and Social Sciences	(301) 405-1679
Business and Management	(301) 405-2189
Computer, Mathematical and Physical Sciences	(301) 405-4906
Education	(301) 405-2364
Engineering	(301) 405-3855
Health and Human Performance	(301) 405-2438
Journalism	(301) 405-2399
Library and Information Services (Graduate)	(301) 405-2033
Life Sciences	(301) 405-2071
Public Affairs (Graduate)	(301) 405-6330

Spice up
your summer
on the Web!

Now you can access the
1999 Summer Course Schedule
on the Web.

www.inform.umd.edu/summer

Get a jump-start on scheduling
your summer classes—visit the
summer schedule on the Web.



Spice up
your summer

University of Maryland
Office of Continued and Extended Education
2103 Reckord Armory
College Park, MD 20742
301.405.6551
800.711.UMCP
www.inform.edu/summer



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Spice up your summer

at a premier public
research university

There's been a renaissance at Maryland. Academic programs, departments and colleges are quickly moving toward the top of national rankings, and distinguished faculty and world-class research programs are attracting more of the best and brightest students to College Park.

What's the attraction? It's the whole package—quality academics, park-like campus, convenient location, great financial value, abundant cultural and recreation opportunities, and a user-friendly campus culture.

Outstanding academics make the University a premier public research institution; in addition, Maryland is a Phi Beta Kappa University, a Research I Institution, and home to National Archives II, the world's leading library complex.

The College Park campus sits on 1,580 rolling acres in a comfortable suburban setting. Restricted public access makes it a secure, attractive environment.

Just 20 minutes from the heart of Washington, D.C., Maryland is two miles inside the beltway and I-95, and a short walk from a Metro subway station connecting the campus to the entire Washington/Baltimore corridor. Free shuttle buses span the campus and link it to the subway station and local residential neighborhoods. On-campus parking is convenient and plentiful in the summer.

Costs are affordable because of Maryland's low public-school

tuition rates—a bargain, even for non-residents, who often find College Park's out-of-state rates lower than private school tuition. *Money Magazine* has rated the school as one of the nation's best college buys.

And it's all tied together in a user-friendly culture. From application to graduation, campus staff and faculty are here to help you get ahead in your education and find yourself in today's world.



Spice up your summer

in the busy world of Summer Sessions '99

You'll find Summer Sessions an intense yet focused experience, conducive to both accomplishment and enjoyment. Less congestion on campus means easier access to parking, student services and libraries. The pace is slower.

You'll have a vast array of courses to choose from, many which fill graduation requirements and are transferable to other schools (check with your school to determine its credit transfer policies).

If you work during the day, you can get ahead on the job by studying in the evening, when many of our most popular courses are offered just for your convenience.

Unique academic programs are available during the summer, too. College Park Scholars creates thematic programs cutting across all disciplines, including the arts, children's issues, environmental studies, science and research. The University Honors Program provides a challenging track for talented, yet curious and enthusiastic students.

Many Summer Sessions courses are taught on a six-week schedule, including the same number of hours and covering the same material as regular-term courses. Classes are taught by College Park faculty, meeting the same standards of instruction and student performance expectations as all university courses.



Spice up your summer

and get ahead on the job

You'll find your job more interesting when you spice it up by getting ahead. You can go further with more education, and university credentials lead to higher earnings. What's more, job growth is fastest in the fields requiring more education.

But taking college courses to get ahead on the job can be a tough balancing act when you have a full-time job and family.

Your answer could be Summer Sessions '99, where 224 evening courses in 35 disciplines can help you get ahead on almost any job—while you're already on the job. College Park is convenient to reach by Metro subway or car, and on-campus parking is easy to find. The summer culture on campus is user-friendly, and money is not a problem—the University of Maryland's low, public-school tuition rates are a bargain, even for those from outside the state.

Communicate professionally

Technical Writing

*Session I, June 1-July 9 and Session II, July 12-August 20
Monday/Wednesday or Tuesday/Thursday, 6 p.m.-9:15 p.m.*

Learn how you can correctly write and format those technical papers and reports so important in today's professional world.

ENGL 393 3 credits

For more information, contact Professional Writing Program, (301) 405-3763

Oral Communications: Principles and Practices

*Session I, June 1-July 9 and Session II, July 12-August 20
Monday/Wednesday or Tuesday/Thursday, 6:30 p.m.-9:50 p.m.*

Study and practice oral communications, including principles of interviewing, group discussion, listening, informative briefings and persuasive speeches.

COMM 107 3 credits

For more information, contact Department of Communication, (301) 405-6519

Business Writing

*Session I, June 1-July 9 and Session II, July 12-August 20
Monday/Wednesday or Tuesday/Thursday, 6 p.m.-9:15 p.m.*

Learn the principles of rhetoric and style, and intensively practice the forms of written communication common in the business world—letters, memos, short reports and proposals.

ENGL 394 3 credits

For more information, contact Professional Writing Program, (301) 405-3763

Explore business relationships

Business Law I

Session I, June 1-July 9 • Monday/Wednesday • 6:40 p.m.-10 p.m.

Session II, July 12-August 20 • Tuesday/Thursday • 6:40 p.m.-10 p.m.

Explore legal aspects of business relationships and examine torts, business crimes, contracts and agency. Investigate the law of personal property and bailment relationships, and survey public policy issues.

BMGT 380 3 credits

For more information, contact the Undergraduate Studies Office at the Robert H. Smith School of Business, (301) 405-2286

Executive Power and Negotiation

Session I, June 1-July 9 • Tuesday/Thursday • 6:40-10 p.m.

Develop negotiations knowledge and skills through study of the use of power during bargaining exchanges, effective listening, bargaining strategies and tactics, and through the opportunity to practice negotiating.

BMGT 764 3 credits

For more information, contact the Graduate Studies Office at the Robert H. Smith School of Business, (301) 405-2559

Teach special kids

Introduction to Special Education

Session I, June 1-June 28 • Monday/Tuesday/Thursday • 7 p.m.-10 p.m.

Session II, July 9-August 20 • Tuesday/Thursday • 7 p.m.-10 p.m.

Develop an understanding of the needs of all types of exceptional children with this overview of special education, including the etiology of disability, categories, basic legislation, and an orientation to the key issues involved in educational services. Included are the concepts of the individual education plan, least restrictive environment, inclusion, individual and parental rights, assessment, placement and educational outcomes.

EDSP 470 3 credits

For more information, contact Department of Special Education, (301) 405-6515



Spice up your summer!

and get ahead toward your degree

Get ahead of your schedule—and get a jump-start on your career—by completing some of those basic required courses this summer.

Sometimes during regular terms courses fill up before you can register, or are just not available when you have a hole in your schedule. Don't let scheduling problems leave you behind—today's serious students realize that it's smart to get ahead on the graduation track. You'll hit the workforce early and start bringing home those big paychecks sooner if you get ahead of schedule.

Many of those courses you need are available this summer. Maryland's summer term offers you a great opportunity to add credits you need to graduate early, get your required courses completed ahead of schedule, or fit in the courses you haven't had time to take. From Afro-American Studies to Zoology, it's here at Maryland this summer—enroll in Summer Sessions '99 and get ahead on the graduation track!

Some of our most popular basic courses can help you spice up your graduation track:

English

Introduction to Writing	ENGL 101
Advanced Composition	ENGL 391

Business and Management

Principles of Accounting	BMGT 221
Business Finance	BMGT 340
Marketing Principles	BMGT 350
Management and Organization Theory	BMGT 364

Mathematics

Elementary Mathematical Models	MATH 110
Introduction to Probability	MATH 111
Elementary Calculus I	MATH 220

Chemistry

General Chemistry I	CHEM 103
Organic Chemistry I	CHEM 233

Economics

Principles of Microeconomics	ECON 200
Principles of Macroeconomics	ECON 201
Intermediate Microeconomic Theory	ECON 306

*There are many more courses available this summer—
for a complete course listing, see page 14.*



Spice up your summer

with something special

Make this summer your time to delve deeper into things you really enjoy. College Park Summer Sessions offer courses, institutes and workshops found nowhere else. For many, these unique programs offer a once-in-a-lifetime opportunity.

Try something new and different—if you're thinking of changing majors, take a course or two over the summer to help decide which discipline is right for you. Or, enhance your resume with career-oriented courses . . . learn about the global economy, study another culture, take an introductory course in a foreign language.

Now's the time to expand your knowledge of the world. Take some interesting courses just for the sake of learning. Become a better conversationalist. Impress your friends and relatives—or just do it for the sake of being a well-rounded individual!

Explore the arts

Perspectives on Popular Culture: Television Situation Comedy

Session I, July 12-August 20 • Monday/Wednesday • 6 p.m.-9:20 p.m.

Examine American television situation comedy from social and cultural perspectives, from the late 1940s to the present, establishing recurring themes, structures and conventions. Explore the sit-com as a vehicle to articulate the family's attitudes, values, concerns, hopes and fears on matters of considerable importance to the American viewing audience—such as racial and ethnic identities, sex and gender issues, and social class.

AMST 429E 3 credits

For more information, contact Prof. L. E. Mintz at (301) 405-1360

Film Analysis—The Rhetoric of Fictional Worlds

Session I, June 1 to July 9, and

Session II, July 12-August 20 • Tuesday/Thursday • 6:30-10 p.m.

Look beyond film as a "window" into reality and see instead the decisions about dialog, body language, and the composition of space that create an assessment of human character and relationships. Filmmakers have agendas; they interrogate how and what we see. Typical films analyzed are *Annie Hall*, *Rear Window*, *The Piano*, *Citizen Kane*, and *The Nasty Girl*.

ENGL 379E 3 credits

For more information, contact Department of English, (301) 405-3809



Embrace diversity

Society in America: Native American Ethnohistory, Theories and Methods

Session II, July 12-August 20 • Tuesday/Thursday • 6 p.m.-9:15 p.m.

A study of innovations in ethnohistorical research and writing about Native American peoples. Intensively explores works of ethnography film, literature, oral history, and autobiography, with particular attention to the emergence of Native American writers and scholars.

HIST 459A 3 credits

For more information, contact the Department of History at (301) 405-4265

Communication and Gender

Session I, June 1-July 9 • Monday/Wednesday or

Tuesday/Thursday • 6:30 p.m.-9:50 p.m.

Session II, July 12-August 20 • Tuesday/Thursday • 6:30 p.m.-9:30 p.m.

Examine the differences in male and female communication behavior and styles and the creation of masculine and feminine images, and explore the implications of those images and styles on male-female transactions.

COMM 324 3 credits

For more information, contact Department of Communication, (301) 405-6519

Try something really different

Field Methods in Archaeology

Session I, June 1-July 9 • Monday through Friday • 8 a.m.-4 p.m.

Gain hands-on experience in archaeological research when you spend each day immersed in field and laboratory work at an established dig in the heart of historic Annapolis.

ANTH 496/696 6 credits

For more information, contact Department of Anthropology, (301) 405-1423

Fundamentals of Sign Language

Session I, June 1-July 9 • Monday/Wednesday • 6:30 p.m.-9:30 p.m.

Session II, July 12-August 20 • Monday/Wednesday • 7 pm.-10 p.m.

Learn how to receive and express thoughts in American Sign Language, while also examining the causes of deafness, characteristics of deaf education, and the culture of the deaf community.

EDSP 376 3 credits

For more information, contact Department of Special Education, (301) 405-6515

Application

You can apply and register at the same time

Who Must Apply

Anyone who is not currently registered at the University of Maryland, College Park, or the University of Maryland, University College* for the Spring Semester 1999 or Fall Semester 1999 must apply for admission before registering for Summer Sessions. Those who are not currently registered but wish to enroll for the Fall 1999 semester must complete a regular application for admission (contact the Office of Undergraduate Admissions).

Undergraduate Students

How to apply

Visiting college students, college graduates, and high school graduates:

1. Complete the Visiting Undergraduate Summer Student Application on page 73;
2. Send it, along with a nonrefundable \$45 application fee to:
Office of the Bursar
Lee Building
University of Maryland
College Park, MD 20742-5151
Fax: (301) 314-9098
3. You can send your registration materials along with your application by mail or fax, or deliver them in person. You can then register on the web or by MARS usually about 24 to 48 hours after your application has been processed by the Office of Undergraduate Admissions.

If you are a student from another college or university you must be in good standing in that institution to be admitted for Summer Sessions. It is your responsibility to verify that credits earned at the University of Maryland are acceptable at that institution.

If you are a high school graduate, you must have earned a grade point average of 2.0 or better to be admitted to Summer Sessions.

If you are a teacher seeking certification for professional advancement, you must apply for Summer 1999, even if you have attended summer sessions here previously. Contact the Department of Curriculum and Instruction at (301) 405-3324 for appropriate permissions.

Current High School Students

You must be entering your junior or senior year in Fall 1999, and must have earned a grade point average of 3.0 or better.

How to apply

1. Complete a regular undergraduate application for admission (not a Summer Sessions application), available from the Office of Undergraduate Admissions. On question 13, mark "Non-degree-seeking student" and "Concurrent—attend part-time while enrolled in high school." On question 11, write in "summer 1999."
2. Send the application, an official copy of your high school transcript, and a nonrefundable \$45 application fee, to:
Office of the Bursar
Lee Building
University of Maryland
College Park, MD 20742-5151
3. For Summer Sessions 1999 admissions only, the following are not required: counselor recommendation, essay, SAT I or ACT score.
4. You may send your registration materials along with your application by mail or deliver them in person. You can register on the web or MARS, usually about 24 to 48 hours after your application has been processed by the Office of Undergraduate Admissions.

Former University of Maryland, College Park Students

If you are a former Maryland student who:

- ▶ was in good standing, on academic warning, or unsatisfactory progress, and did not withdraw your last semester, then you must apply for readmission through the Office of Reenrollment (0117 Mitchell Building) before registering for summer sessions;
- ▶ withdrew or was academically dismissed from the University before Spring Semester 1999, then you must apply for reinstatement through the Office of Reenrollment;

* If you are registered at the University of Maryland University College for the Spring 1999 semester, you need not apply for admission for Summer Sessions 1999, but must submit a letter of permission from University College along with your registration materials.

- ▶ Attended as a "Term Only" registrant, then you must apply as a visiting undergraduate student. Follow the application instructions for visiting college students on page 73.

Prospective Degree Students

If you want to take courses as part of a degree-granting program at the University of Maryland, you must apply for regular admission through the Office of Undergraduate Admissions and meet the regular admission standards.

If you have any questions, call the Office of Undergraduate Admissions at (301) 314-8385.

Graduate Students

Visiting graduate students

If you are a student at a university or college outside the University System of Maryland, you are considered an Advanced Special Student, and must submit a Visiting Graduate Summer Student Application prior to or at the time you register for courses. Include your \$50 application fee and a letter of permission from your parent institution.

If you are a student at another University System of Maryland institution, you do not need to apply, but must submit an intercampus registration form, available at your school, and be authorized by both your parent campus and the University of Maryland, College Park Office of Intercampus Enrollment, 1108 Mitchell Building.

Non-degree graduate students

If you wish to earn graduate credit without enrolling in a degree program, you must apply and pay your application fee as an Advanced Special Student, and meet one of the following criteria (verifiable by an official transcript):

- ▶ Hold a baccalaureate degree from a regionally-accredited institution with an overall "B" (3.0) average

- ▶ Hold a master's or doctoral degree from a regionally-accredited institution
- ▶ Hold a baccalaureate degree from a regionally-accredited institution and have at least four years of post-baccalaureate work or professional experience;
- ▶ Hold a baccalaureate degree from a regionally-accredited institution and achieve a score above the 50th percentile in the Graduate Record Examination (GRE), the Miller Analogies Test, or the Graduate Management Admissions Test (GMAT). Official test scores required.

If you have previously enrolled as an Advanced Special Student, your graduate application is valid for five years. Otherwise, you must submit another application, although you do not need to pay another application fee.

University of Maryland Graduate Students

If you are a currently-enrolled graduate student in good standing you do not have to apply, unless you wish to change your major, department or degree requirements, in which case you must file a regular Graduate School Application, and meet departmental requirements and deadlines.

Prospective graduate degree students

If you wish to begin your degree program in Summer Sessions 1999 you must file a regular Graduate School Application form, meet departmental requirements and deadlines, and pay your \$50 application fee. Apply to:

Graduate Admissions
2117 Lee Building
University of Maryland
College Park, MD 20742



Registration

Who Can Register

Current College Park Students

If you are a current student at the University of Maryland, College Park, and were enrolled for the Spring 1999 semester, you may register for Summer Session classes **without completing a summer application**.

If you were a student during the Spring 1999 semester and were dismissed or withdrew from the university, you may register for Summer Sessions without application. (You must, however, apply for reinstatement for Fall 1999.)

Visiting Undergraduate Students

If you are a student currently enrolled at another college or university,
or you are a college graduate,
or you have graduated from high school,
And you wish to take an undergraduate course or courses this summer **without seeking a degree at the University of Maryland**,
Then You are considered a **Visiting Undergraduate Summer Student**.

You must complete the Visiting Undergraduate Summer Student Application and submit it either prior to, or at the same time you register for courses.

To apply, contact the Office of Undergraduate Admissions at (301) 314-8385 or (800) 422-5867.

Current High School Students

If you are a high school student entering your junior or senior year, who is not seeking Fall 1999 undergraduate admission to Maryland, and you wish to take summer 1999 **undergraduate** courses at the University of Maryland, College Park, you are considered a Concurrent Visiting Undergraduate Summer Student. To apply, contact the Office of Undergraduate Admissions at (301) 314-8385 or (800) 422-5867.

Visiting Graduate Students

If you are a Visiting Summer Student and you wish to take graduate courses at College Park (but are not currently enrolled, nor wish to enroll, in a College Park degree program), you are considered an Advanced Special Student or an Institute Student. To apply, contact the Office of Graduate Admissions at (301) 405-4198. As an Advanced Special Student, you are eligible to register for courses year-round without re-applying, for up to five years.

Former College Park Students

If you are a former student of the University of Maryland, College Park, you must apply for readmission or reinstatement and be accepted to the university before registering for classes. Contact the Office of Undergraduate Admissions or the Office of Graduate Programs and Research for application information.

Newly-Admitted (for Fall 1999) College Park Students

If you have been admitted for Fall 1999 you must include a copy of your letter of admission when registering for Summer Sessions. No summer application is necessary.

University College Students

If you are currently enrolled at University College, you must include a letter of permission from University College when registering for College Park summer classes. No summer application is necessary.

Prospective College Park Students

If you do not fit into one of the categories above, and want to take courses as part of a College Park degree program, you must apply to the University of Maryland and meet its standards of admission. **Until you are admitted to a degree program, you may apply and register for Summer Sessions as a Visiting Summer Student.**

Applications for all undergraduate degree programs are available from:

Office of Undergraduate Admissions
Mitchell Building
University of Maryland
College Park, MD 20742
(301) 314-8385 or (800) 422-5867

Applications for all graduate degree programs are available from:

Graduate Information Center
Lee Building
University of Maryland
College Park, MD 20742
(301) 314-9304 or (301) 405-4198

Veterans

Students attending the university under the Veterans Education Act (Title 38, U. S. Code) will be certified based on their enrollment status after they have completed registration. You can obtain certification from the Office of Veterans Affairs, 1101 Mitchell Building, University of Maryland, College Park, MD 20742, telephone (301) 314-8239. Office hours are Monday through Friday, 8:30 a.m. through 4:30 p.m.

Undergraduate Students

Computation of enrollment status is based on the number of credits for which the student is registered and the length of the term. Six weeks is the standard term of a summer session.

Graduate Students

Computation of enrollment status is based on the number of units for which the student is registered. Graduate students will not be certified for any course below the 400 level unless the course is required by the major department. A letter verifying the requirement must be submitted to the Veterans Affairs office. Courses below the 400 level do not receive graduate credit.

Courses that vary from the regular six-week sessions are calculated by Veterans Affairs according to the length of the term as well as the number of credits or units.

Courses taken as "audit" cannot be counted toward credit for certification for undergraduate or graduate students. Tuition charges are the same for audit as for credit courses.

Golden ID Students

The University of Maryland Golden Identification Program makes available courses and services to persons who are 60 years of age or older, who are legal residents of Maryland, and who are retired (not employed for more than 20 hours a week). If you are eligible, you must first apply by completing a Visiting Undergraduate Summer Student Application, checking "Golden ID" in the designated box and "yes" on question 16, and submitting it to the Office of Undergraduate Admissions, 1101 Mitchell Building, University of Maryland, College Park, MD 20742.

You will then receive registration instructions through the mail, and you can register only on the first day of classes. For each summer session you may register for one course when space is available. You must meet all of the course's prerequisites and co-requisites. Tuition charges are waived, but you must pay a general fee. Golden ID students are not eligible for Consortium classes. Your Golden ID registration entitles you to use of the libraries and certain other non-academic services. Contact the Golden ID Coordinator in 1101 Mitchell Building or call (301) 314-8219 for more information

International Students

If you are a student at another U.S. institution on an F-1 or J-1 visa, and intend to return to that institution in the fall, you can apply for Summer Sessions 1999 as a visiting student. Submit your Visiting Undergraduate or Graduate Summer Student Application to the Bursar's Office, along with a nonrefundable fee of \$65 for undergraduates or \$70 for graduate applicants.

When to Register

You can register for summer courses beginning March 29th. Registration for Summer Session I continues through May 28; registration for Summer Session II is available through July 9th. Registration is not official until payment is made in full. See page 6 for the Payment Due Schedule. Note that the Payment Due Schedule applies whether or not a bill is received.

How to Register

There are five different ways to register for summer courses—on the web, by phone, by mail, by fax, or in person. Registration and schedule adjustment is available for:

- ▶ currently-enrolled University of Maryland students
- ▶ newly-admitted students
- ▶ visiting summer students—After your application is processed you can register by accessing Testudo on the web, or by calling MARS (Maryland Automated Registration System). You can also register by mail, by fax, or in person.

Web Registration—access Testudo at www.testudo.umd.edu and use your student ID (social security number) and PIN. Your initial PIN is your six-digit birthdate (MMDDYY); once you have accessed the system you will be required to change this to another six-digit number.

Phone Registration—Call MARS (Maryland Automated Registration System) at (301) 403-0500, Monday through Saturday from 7:30 a.m. through 11 p.m. and Sunday 5 p.m. through 11 p.m. Use the MARS worksheet on page 64 to help you through the process. Your student ID (social security number) and PIN are needed to access MARS. Your initial PIN is your six-digit birthdate (MMDDYY); once you have accessed the system you will be required to change this to another six-digit number. If you have questions, call the MARS Helpline at (301) 314-1600, Monday through Friday from 8:30 a.m. through 4:30 p.m.

Some students might not be eligible to use MARS, including those owing an outstanding debt to the University or students in the IED or IA programs. If you have eligibility questions, call the Office of the Registrar at (301) 314-8240.

Mail Registration—Summer Course Registration Forms are available:

- ▶ On the web at <http://www.testudo.umd.edu> and <http://www.inform.umd.edu/summer>
- ▶ at the Student Services department in the Records and Registration Office,
- ▶ 1101 Mitchell Building, and at the Information Counter outside that office.

Note that there is a separate summer registration form for Summer Session I and for Summer Session II—be sure to use the correct form for the session for which you want to register. For Summer Session I your Summer Course Registration Form must be postmarked by May 21, 1999, and Summer Session II forms must be postmarked by July 2, 1999.

Include your completed Summer Course Registration Form(s), Estimated Billing Form (see page 66), and any necessary applications. Students already admitted to the University for the Fall 1999 term do not need to submit an application, but must include a copy of their letter of admission. Mail all forms, along with payment to:

Office of the Bursar
Lee Building
University of Maryland
College Park, MD 20742

Confirmation of your application and/or registration, along with a Summer ID card will be mailed to you within two weeks. If you do not receive confirmation, please contact the Office of the Registrar at (301) 314-8240.

Please note: Incomplete registration or application materials will be returned. You will be notified of incorrect payments or adjustments to your account. If you owe money to the University, that amount will be deducted from your payment, and the remainder will be applied to Summer Sessions charges.

Fax Registration—fax your registration forms, Estimated Billing form, credit card information, and any necessary application forms to the Office of the Bursar at (301) 314-9098. See “Mail Registration” instructions above for more information.

In-Person Registration—at the Office of the Registrar, 1101 Mitchell Building (301-314-8240)

1. Apply for admission, if necessary, at the Office of Undergraduate Admissions, ground floor, Mitchell Building, or the Graduate Admissions Office, second floor, Lee Building.
2. Complete a Summer Course Registration Form and Estimated Billing Form, available at the Registration Counter in the Mitchell Building, and register at the Office of the Registrar, 1101 Mitchell Building, Monday through Friday from 8:30 a.m. through 4:30 p.m. on the dates below:
 - ▶ Summer Session I March 29 through May 28
 - ▶ Summer Session II March 29 through July 9
3. Pay tuition and fees at the Bursar's Office Cashier, 1115 Lee Building (301-405-9041).

Other registration information

Late Registration/Late Payment

A \$20 late fee will be assessed for registration on or after the first day of classes for either summer session. For Summer Session I late registration begins June 1, and permission from the dean is required to register after June 8. For Summer Session II, late registration begins July 12, and permission from the dean is required to register after July 19. During late registration, all tuition, fees and outstanding balances must be paid at the time of registration.

Nonstandard Course Registration

Courses which vary in beginning dates from the starting dates for each summer session are available for registration during the normal registration period for each session. Additionally, registration may be available on the first day of each nonstandard class or an alternate day if requested by the department or instructor.

Courses varying in length from the regular Summer Session will have late registration, schedule adjustment and other dates adjusted proportionately to the length of the course. Contact the Office of the Registrar for specific dates.

Grades for nonstandard courses ending after the regular session in which they begin will be posted after the regular session grade reports are posted. Students desiring official notification of grades in these courses should request an official transcript approximately two weeks after the course ends. Instructors of these courses will receive information on various deadlines. Please check with the department in late spring 1999 for specific details.

Waitlist

The waitlist is a roster of students waiting for a seat to become available in a closed course. The waitlist stores names, in order of request, and allows access to seats as drops are processed.

If a waitlist is available, it will be offered when a student attempts to add a closed course, either when registering on the web via Testudo, by MARS, or in-person. If the waitlist option is selected, you will be placed on the waitlist for a closed section, and up to five additional sections if they are available. **Once on a waitlist, you must check-in on the mandatory check-in day, typically the first day of the summer session. If you are still on the waitlist after mandatory check-in, you must then check-in daily to remain on the waitlist.** See Waitlist Check-in below for specific information.

Students can waitlist courses or check-in by:

- ▶ Web—access Testudo at www.testudo.umd.edu
- ▶ Telephone—call MARS at (301) 314-0500
- ▶ In-person—visit the Office of the Registrar, 1101 Mitchell Building, Monday through Friday, 8:30 a.m. to 4:30 p.m.

Waitlist Check-in

A mandatory check-in date, typically the first day of classes, is given when students are initially placed on a waitlist. You must check-in on the mandatory check-in date, and then daily, during the regular check-in period, to remain on the waitlist. Check-in only once daily.

- ▶ Testudo check-in: use the web to check-in daily, beginning on the Mandatory Check-In date and then daily thereafter. Select *Records and Registration*, and then *Waitlist Check-in*;
- ▶ MARS check-in: Call MARS at (301) 314-0500 and press 1 for registration activities. Press 2 for waitlist check-in; and enter your Student ID (social security number) and PIN;
- ▶ In-person check-in: Check-in at the Office of the Registrar, Room 1101 Mitchell Building, Monday through Friday, 8:30 a.m. through 4:30 p.m.

Waitlist Information

- ▶ Not all departments offer waitlists. It is the decision of the department whether or not to offer a waitlist;
- ▶ To be eligible for the waiting list you cannot be registered for any other section of the desired course;
- ▶ It is recommended that you complete your schedule with alternate course choices; being placed on a waitlist does not guarantee you will be registered in the course;
- ▶ You may select to be waitlisted on up to six sections of a course. The first section to become available will be assigned to you. Since you will now be registered for a section, your name will be removed from all other waitlisted sections of that course;
- ▶ Time conflicts that might result from receiving a course from the waitlist must be resolved. These time conflicts are not permitted;
- ▶ Once a course has been confirmed and received from the waitlist it becomes part of your schedule and incurs tuition charges;
- ▶ Waitlist activity ends the last day of the Schedule Adjustment Period.

Cancellation of Summer Session Registration

Students who register and later decide not to attend the university must cancel their registration prior to the first day of classes. Failure to cancel registration will result in financial obligation to the university even though the student does not attend class. Cancellation requests must be received in writing prior to the first day of classes. All requests would be sent by registered mail, or faxed to:

Office of the Registrar
1101 Mitchell Building
University of Maryland
College Park, MD 20742
Fax: (301) 314-9568

Withdrawal from Summer Sessions

Students who wish to terminate their registration (withdraw from all summer courses) either on or after the first day of classes must withdraw. This applies to all students regardless of the number of courses or credits for which they are registered. **Please note: A withdrawal from either Summer Session will be recorded on a the student's transcript.**

To withdraw from either Summer Session: Complete a Withdrawal Form, available from Room 1101, Mitchell Building, or fax a letter of withdrawal to (301) 314-9568. Withdrawal is effective on the date the form is filed in the Registrar's Office.

Mandatory fees are not refundable. The table on page 8 indicates, by date, the percentage of tuition which will be credited upon withdrawal.

Note that withdrawals from workshops or institutes must be made prior to the first day of the workshop in order to receive a refund. After a workshop has met there can be no refund.

Change of Address

Changes to either a local mailing address or permanent address can be made at any time in the semester in which they occur. Address changes can be made at:

- ▶ Web—www.testudo.umd.edu
- ▶ Office of the Bursar, Address Unit, Lee Building, Room 1121 or 1103, Monday through Friday, 8:30 a.m. through 4:15 p.m.
- ▶ Information Counter, Mitchell Building, First Floor Lobby, Monday through Friday, 8:30 a.m. through 4:30 p.m.
- ▶ Deans' Offices, Monday through Friday, 8:30 a.m. through 4:30 p.m.
- ▶ STAR CENTER, Stamp Student Union, Room 1122, Monday through Friday, 9 a.m. through 4 p.m.

Address changes are posted to the computer by the Office of the Bursar and the Records and Registration Office.

Since many university communications to students are handled through the mail, it is important that accurate, up-to-date addresses be maintained throughout the enrollment period. During the academic year the permanent address for currently registered students will be used for grade reports, combined registration schedules and bills, and other billings. The local address on file for currently-registered students will be used for all other mailings. The permanent address on file for students not currently registered will be used for all mailings. Any student wishing his/her address to be kept confidential should contact the Information Counter.

Summary of Deadlines— Summer Sessions 1999

Type of change	Last day to process change	
	SESSION I	SESSION II
Add a Course	June 7	July 16
Apply for August 1999 Graduation	July 16	July 16
Cancel Registration with 100% Refund	May 28	July 9
Change Credit Level	June 7	July 16
Drop a Course— Undergraduate Students:		
without "W" Mark	June 7	July 16
with "W" Mark	June 28	August 6
Drop a Course— Graduate Students:		
(No "W" Status)	June 28	August 6
Drop a Course with 100% Refund	May 28	July 9
Drop a Course with 70% Refund	June 7	July 16
Change Grading Method	June 7	July 16
Process a Late Registration	June 7	July 16
Change Sections (Departmental Approval Required)	July 9	August 20

Academic Credit and Policies

The semester hour is the unit of credit. During the summer sessions, a three-credit course may meet five times a week for six weeks, with each class period meeting for 80 minutes. Courses that meet two or three times a week will have longer class sessions.

College Park students who are matriculated as candidates for degrees will be given credit toward the appropriate degree for satisfactory completion of summer courses. Each student is responsible for determining the applicability of courses selected to the degree program and is urged to consult with a summer academic advisor.

All students enrolled for credit will receive an official grade for each course.

Full-Time Status

For undergraduate students enrollment in courses totaling six semester hours of academic credit will be defined as full-time status for one summer session. Enrollment for six semester hours of academic credit in each of the two summer sessions will be defined as full-time enrollment for the summer.

For graduate students, enrollment for academic credit totaling 24 graduate units will be defined as full-time enrollment for one summer session. Academic credit totaling 24 graduate units in each of the two summer sessions will be defined as full-time enrollment for the summer:

- ▶ 000-399 courses carry two units per credit hour
- ▶ 400-499 courses carry four units per credit hour
- ▶ 500-599 courses carry five units per credit hour
- ▶ 600-898 courses carry six units per credit hour
- ▶ 799 research courses carry 12 units per credit hour
- ▶ 899 research courses carry 24 units per credit hour

Maximum Load

Undergraduate students may not enroll for more than eight credit hours of academic credit in one summer session. Normally, graduate students should not enroll for more than six semester hours. Course loads above these maximums require approval of the college dean.

Degree Candidates

All students who expect to complete requirements for degrees during the summer should complete application for graduation during registration at the summer session in which the degree will be completed. Applications should be filed at the Registrations Office, Ground Floor, Mitchell Building, no later than July 16 for degrees to be awarded as of August 20, 1999. August graduates are invited to participate in the commencement ceremonies held in December, and will be included in the commencement program for that date.

Audit

A student may register to audit a course or courses in which space is available. Tuition and fees are the same as when taken for credit. The notation AUD is placed on the transcript for each course audited.

Pass/Fail Option

Undergraduate students who have completed 30 or more semester hours with a GPA of at least 2.0 (15 of which must have been completed at the University of Maryland, College Park) may register on a pass/fail basis if the course offers a pass/fail option. The course must be elective to the student's program and not used to meet general education requirements, major requirements, or gateway requirements for admission to limited enrollment programs or when re-registering for a course. Only one course per semester or summer session may be taken pass/fail.

Final Examination

All final examinations must be held on the last day of classes of each summer session. No final examination shall be given at a time other than the last day of classes without permission of the department chair.

A final examination will be given in every undergraduate course. Exceptions may be made with the written approval of the chair of the department and the dean.

Code of Academic Integrity

All students are expected to adhere to the provisions of the Code of Academic Integrity, as set forth in the Undergraduate Catalogue. Copies of the Code may be obtained from the Student Honor Council in Room 2118 Mitchell Building, telephone (301) 314-8450.

Academic Dishonesty

Academic dishonesty is a serious offense which may result in suspension or expulsion from the university. The normal sanction for academic dishonesty is a grade of "XF" denoting "failure due to academic dishonesty." That grade will normally be recorded on the transcripts of student found responsible for acts of academic dishonesty in addition to any other action taken (e.g., suspension or expulsion.)

Protection of Privacy

The University of Maryland adheres to a policy of compliance with the Family Educational Rights and Privacy Act (Buckley Amendment). As such, it is the policy of the University (1) to permit students to inspect their education records, (2) to limit disclosure to others of personally identifiable information from education records without students' prior written consent, and (3) to provide students the opportunity to seek correction of their education records where appropriate. A complete statement of the university policy and procedures is contained in the Undergraduate Catalogue.

Tuition and Fees

Tuition

Undergraduate Student Tuition

In-state student	\$170 per credit hour
Out-of-state student	\$330

Graduate Student Tuition

In-state student	\$272 per credit hour
Out-of-state student	\$415

Professional Masters in Engineering (ENPM)
\$320 per credit hour for both in-state and out-of-state students

Fees

New students

Undergraduate application fee	\$45
International applicants	\$65
Graduate application fee	\$50
International applicants	\$70

All students

Student Services fee, per session	\$75
Academic Services fee, per session	\$12
Student Health fee, per session	\$ 3
Building Recreation fee, per session	\$21

Parking

(not applicable for those registered for Fall or Spring semester)

Resident student	\$31
Commuter student	\$17

Other fees

Late registration fee	\$20
Service charge for dishonored check	up to \$50

(depending on check amount)

On-Campus housing

Per six-week session	\$660.06
Per eight-week session	\$880.08

Audits

Tuition and fees for undergraduate and graduate courses taken for audit are the same as those courses taken for credit.

Although changes in fees and charges ordinarily will be announced in advance, the university reserves the right to make such changes without prior announcement.

In-state Status for Admission and Tuition

In-state status for admission and tuition is determined by information provided on the back of your application form. The deadline for meeting all requirements for in-state status and for submitting all documents for reclassification for Summer Sessions 1999 is the last day of late registration for the appropriate semester, June 4, 1999 for Session I and July 16 for Session II. For more information, contact the Residency Classification Office, 0405B Marie Mount Hall, University of Maryland, College Park, MD 20742, telephone (301) 405-2030.

Payment

All bills are due according to the Payment Due Schedule below. Payment is due by the specified dates whether or not you have received a bill. If you do not pay your bill by the due date, your course registrations will be canceled.

Payment due schedule

Summer Sessions payments are due according to the following schedule.

Failure to pay by the due dates will result in cancellation of course registration.

Summer Session I

If you register during:	Your payment is due by:
March 29 through April 23	May 14
April 24 through May 21	May 25
May 22 through June 4	June 4

There will be a \$20 late registration fee for registrations after May 31.

Summer Session II

If you register during:	Your payment is due by:
March 29 through May 25	June 14
May 26 through June 25	June 29
June 26 through July 16	July 16

There will be a \$20 late registration fee for registrations after July 11.

Summer Session II course charges will appear on the Bursar's May bill.

There are four ways you can pay your bill:

① Mail

You can mail your payment to the Bursar's Office. Mail-in payments should accompany mail-in registrations.

You can pay by check, money order or credit card:

- ▶ Make checks and money orders payable to the University of Maryland, for the exact amount due. Be sure to write your Social Security Number on your check.
- ▶ Provide credit card information requested on Estimated Billing Form for payment by Visa, MasterCard and Discover Card.
- ▶ Mail your payment to:
 - Office of the Bursar
 - 1115 Lee Building
 - University of Maryland
 - College Park, MD 20742-5151

② Telephone—MARS

You can pay by credit card (Visa, MasterCard or Discover Card) by calling MARS, (301) 403-0500, beginning the day after you register. Registration charges are posted nightly to the Bursar's system:

MARS (301) 403-0500
(on campus 9-403-0500)

③ Fax

You can fax your payment when paying by credit card. Fax-in payments should accompany fax-in registrations. You will need to include the following information on your fax:

- ▶ Name
- ▶ Student ID number
- ▶ Credit Card type
(Visa, MasterCard or Discover Card)
- ▶ Daytime telephone number
- ▶ Cardholder name
- ▶ Card expiration date
- ▶ Amount
- ▶ Signature
- ▶ Account number

Fax your payment information to:

Office of the Bursar
University of Maryland
(301) 314-9098

④ In-Person

At the Bursar's Office on campus, you can pay by check, money order or credit card, along with your completed Estimated Billing Form, from 8:30 a.m. to 4:30 p.m., Monday through Friday.

- ▶ Make checks and money orders payable to the University of Maryland, for the exact amount due. Be sure to write your Social Security Number on your check.
- ▶ Credit cards accepted are Visa, MasterCard and Discover Card:
 - Office of the Bursar
 - University of Maryland
 - 1115 Lee Building
 - College Park, MD 20742

Other Payment Information

Summer Financial Aid

In general, funds for summer financial aid are very limited. The university does not receive separate allocations of grant, work study or loan funds from the federal or state governments for summer financial aid. If there are any funds available from these programs they are awarded to students who are graduating in August, 1999. Students who have not used all their Pell Grant or Stafford Loan eligibility for the current school year may use their remaining eligibility during the summer term. Tuition and fees for summer school courses are due in full before classes start—any summer financial aid will be credited after tuition and fees are due and will be reimbursed to the student.

To request summer financial aid, you must have on file at the university Financial Aid Office a 1998-1999 Free Application for Federal Student Aid (FAFSA) and all other documents that have been requested. If you have ever attended any other post-secondary institution you must request a Financial Aid Transcript (FAT) from each previous institution regardless of whether or not you received financial aid.

You must file a separate Summer Financial Aid application to request funding for Summer Sessions. Applications will be available from the Student Financial Services Center, 1135 Lee Building, after February 8, 1999. You should file your application as soon as possible, but no later than April 1, 1999, for funds to be available for Summer Sessions financial aid.

To be eligible for any financial aid for the summer term, you must register for at least six credits or 24 graduate units. Once your eligibility has been determined, a Summer Financial Aid Notification will be mailed to your summer address.

For financial aid information, call (301) 314-9000.

Late Payment Fee

If you do not pay the balance due on your account by its payment due date, we will add a late fee of five percent of the outstanding balance, or \$10, whichever is greater.

Delinquent Accounts

You will not be able to register until any outstanding bills to the university, including library fines, parking violation assessments, and other penalty fees and service charges, are paid in full. If you do not settle your account by its due date, your registration will be canceled. For copies of bills regularly sent to students, contact the Bursar's Office.

In accordance with state law, the university will refer students' delinquent accounts to the State Central Collections Unit in Baltimore for collection and legal follow-up, and collection charges will be billed to the student. Collection costs are 17 percent of the bill, plus any attorney and/or court fees. Maryland law allows the Central Collection Unit to block issuance of Maryland state income tax refunds to individuals with delinquent accounts. In addition, state of Maryland policy stipulates that unpaid parking tickets issued on state property could result in the withholding of motor vehicle tags until tickets are paid.

The university will not confer any diploma, certificate or transcript of record issued to a student who has not made satisfactory settlement on his or her account.

Tuition Refunds

The university will refund tuition you have paid, based on the date when you withdraw from a course:

REFUND	Date	
	SESSION I	SESSION II
Cancel registration with 100% refund	May 31	July 11
Withdraw from all courses:		
With 70% refund	June 4	July 16
With 50% refund	June 11	July 23
With 20% refund	June 18	July 30
With no refund	July 9	August 20
Drop a course with 100% refund	May 31	July 11
Drop a course with 70% refund	June 4	July 16

To request a refund or credit to your university account:

1. Complete a Request for Refund form (available at the student counter, 1135 Lee Building or the Records or Current Registration Office, First Floor, Mitchell Building)
2. Send a written request and your Request for Refund form to the Office of the Bursar, or
3. Call MARS at (301) 403-0500 and choose option 3 from the main menu.

The university will not automatically refund a credit balance. Refund checks will be mailed about four to six weeks from receipt of the refund request. Checks will be made payable to the student and sent to the address designated on the refund form; they will not be mailed to a campus address.

Special Workshops and Institutes

Additional or alternative fees are sometimes charged for Special Workshops and Institutes due to needs for special planning based upon number of registrants, and applicant screening or auditioning. These fees can be charged after the registration period, and only a partial refund for late withdrawal will be made. No refunds will be granted on or after the first day of a program which is shorter than the standard six-week summer term. Campus housing will be available at an additional charge. The university reserves the right to cancel programs due to insufficient enrollment.

The standard tuition and fee schedule applies for all credit registrations unless otherwise noted.



On-Campus Housing

You can rent a room or apartment on campus at the University of Maryland, College Park for either or both terms of Summer Sessions 1999.

Most rooms are doubles, with some available single rooms assigned by lottery. Furnished apartments, for four to six students, are available with air conditioning, carpeting, full kitchens, and utilities; no pets allowed. You will have a twin-sized bed, mattress, dresser, desk and chair, private telephone line, and separate data line. You must provide your own telephone, desk lamp, cooking utensils, pillow, linens, and all other personal and household items. Coin-operated laundry and vending services are available in a nearby 24-hour community center. Parking requires a \$31 university permit.

Rooms are available from May 30, 1999, the day before the start of Session I classes, until August 20, the day final examinations are completed for Session II. For an extra fee, spring semester campus residents who register for Session I may move directly from spring room assignments to Summer Sessions assignments. Students whose Summer 1999 Residence Halls Agreement forms are received before April 16 are eligible for the single room lottery.

On-Campus Housing Schedule:

Friday, April 16

Deadline to submit Summer Residence Halls Agreement for single room lottery and other housing requests

Monday, May 10

Deadline to cancel Session I Summer Residence Halls Agreement without financial obligation; written cancellation must be sent to Residence Life.

Sunday, May 30

Residence halls are open at 10 a.m. for Session I residents to claim rooms.

Monday, May 31

Rooms not claimed by 12 noon are forfeited and "no show" cancellation charge of two weeks' housing cost (\$211.25) is assessed.

Monday, June 21

Deadline to cancel Session II Summer Residence Halls Agreement without financial obligation; written cancellation must be sent to Residence Life.

Friday, July 9

Residents not staying for Summer Session II must vacate rooms by 7 p.m.

Sunday, July 11

Residence halls are open at 10 a.m. for Session II residents to claim rooms.

Monday, July 12

Rooms not claimed by 12 noon are forfeited and "no show" cancellation charge of two weeks' housing cost (\$211.25) is assessed.

Friday, August 20

All residents must vacate rooms by 12 noon.

Campus Life

Summer Recreation

As a student registered for Summer Sessions 1999, you can use Campus Recreation Services (CRS) facilities and participate in CRS programs. CRS facilities include the Campus Recreation Center, Outdoor Aquatic Center, Ritchie Coliseum, and the fitness and weight room in the Health and Human Performance building. Available summer programs include aerobics, intramural sports, non-credit instruction and outdoor recreation. For more information, call Campus Recreation Services at (301) 405-PLAY, or (301) 314-5454, or visit our website at www.inform.umd.edu/crs.

Dining Services

At South Campus Dining Hall and the Diner on the north side of campus you'll find a wide variety of deli sandwiches, a soup and salad bar, fresh dough pizza, flame-broiled burgers and hot entrees with vegetables daily. You may choose to visit the food court in the Stamp Student Union for Adele's Restaurant, Starbucks Coffee in the Coffee Bar, Taco Bell, or McDonald's. The Dairy, located adjacent to the Visitors' Center, is home to the award-winning University of Maryland ice cream. Other convenient food locations on campus are in Van Munching Hall, the Math Building, and the Engineering Building. For more information, visit the Dining Services' web page at www.umdds.umd.edu.

Terrapin Express

You can make purchases at many campus locations with Terrapin Express, a declining-balance debit card. It can be used at all Dining Services facilities, as well as at the University Book Center, Tawes Theater, WAM/OWL Computer Labs, Reprographic Services, the Health Center, and other sites.

University Book Center

You can buy textbooks and other course-related materials at the University Book Center in the basement of the Stamp Student Union. Also available are general interest books, technical and reference books, computers, software, school and office supplies, cards and gift items, and University of Maryland insignia clothing. Call us at (301) 314-BOOK (2665) or visit our website at www.ubc.umd.edu.

Commuter Bus Service

You can get to and around campus from the College Park Metro station free of charge on Shuttle-UM commuter buses. Service from the College Park Metro station will run Monday through Friday, 6:45 a.m. through 7:45 p.m., every day except May 31 (Memorial Day observed) and July 5 (Independence Day observed). Service will also be provided on the Springhill Lake and Queens Chapel, Adelphi North, and Rhode Island Avenue routes weekdays while classes are in session. Valid University Student, faculty or staff IDs are required. For more information, contact Shuttle-UM at (301) 314-2255 or visit the Office of Commuter Affairs, 1195 Stamp Student Union.

Security Service

On campus evening security service will operate from June 1 through August 20, on the Circuit route from 7:30 p.m. to 11 p.m. Call-a-Ride hours are from 7 p.m. to 2 a.m. Circuit and Call-a-Ride are free services; no ID is required. For more information call Shuttle-UM at (301) 314-2255.

Parking

You can park in lots 1, 2, 4, 11, and 16 on campus with a parking permit issued through the Department of Campus Parking, or at paid meters or in cashier-attended areas. No parking is allowed on campus roads and fire lanes, or at unpaid meters or disabled spaces. Students holding 1998-1999 academic year parking permits can use them for 1999 Summer Sessions. Others must buy a parking permit:

- ▶ Complete an application, present your student I.D. card, and pay your campus resident parking fee (\$31) or commuter parking fee (\$17) at the Department of Campus Parking, on campus at the Regents Drive Garage, Monday through Friday 8:15 a.m. through 4 p.m.;
- ▶ If you have prepaid on an Estimated Billing Form, you must still apply and present a student I.D.
- ▶ Bicycles and mopeds need not be registered, but must be parked in campus bicycle racks;
- ▶ You can use disabled parking spaces only with a current campus parking permit and a Maryland state disabled permit and license plate.

For more information, call the Department of Campus Parking at (301) 314-PARK (314-7275).

Libraries

You can use any of the seven libraries on campus with your student ID (new students must first have their ID validated at any library circulation desk.) The main library, McKeldin, houses many special services and collections, study carrels, inter-library loan, photocopy services, government documents and maps, archives and manuscripts, etc. Librarians can answer questions, assist with research, and explain use of library resources. Other libraries include the Architecture Library, Art Library, White Memorial (Chemistry) Library, Engineering and Physical Sciences Library, and the Hornbake Library, which includes the Performing Arts Library, Nonprint Media Services, the Library of American Broadcasting, a late night study room and a WAM computer lab. For more information, visit our website at www.lib.umd.edu/UMCP.

Computer Services

During evening hours beginning in June, Academic Information Technology Services (aITs) offers a series of non-credit micro-computer training classes taught by computer-experienced students. Subjects include Windows, WordPerfect for Windows, Excel for Windows, MacIntosh, Microsoft Word, Internet Technologies, Mathematica, PageMaker, Unix, HTML, Photoshop, web search strategies, and basic computer training. Obtain schedules and register (\$10 fee) on campus at 1400 Computer and Space Sciences Building or call (301) 405-2941.

Career Center

The Center offers career counseling, workshops, courses, special programs, extensive career resources on its website (<http://www.careercenter.umd.edu>), and a Career & Employment Resource Room which assists students in identifying interests, exploring careers and initiating the job and graduate/professional school research process. It also offers employment assistance through job and career fairs, on-campus interviewing, resume referral, and job listings for part-time, internship, cooperative education, graduate assistantship, and full-time positions, all of which are available at our website via TERP Online.

Counseling Center

The Counseling Center, located in the Shoemaker Building, provides free and confidential counseling services on personal/social issues, careers, academic skills, support groups, disability support, returning students' issues, family consultation/evaluation, and more. You can make an appointment for counseling weekdays, and walk-in counseling is available for minority students every day from 3 p.m. to 4 p.m. Call (301) 314-7651 or visit our website at www.inform.umd.edu/Campusinfo/Departments/Counseling.

Performing Arts

The National Orchestral Institute Philharmonic, hailed by the *Washington Post* as "one of the best symphony orchestras in the U.S.," performs three Saturday evening public concerts in Tawes Theater at College Park during June. Featuring an orchestra selected from over 800 national auditions, the NOI offers advanced orchestral training for musicians aged 18-28. On June 12, James DePreist conducts the orchestra performing Kernis, Schubert and Mahler; on June 19, Marin Alsop is conductor and music is by Adams, Prokofiev and Beethoven; and on June 26, Maximiano Valdes conducts music by Reveultas, Debussy and Sibelius. For more information call (301) 405-2317.

In the Marian Anderson International Vocal Arts Competition, July 15-24, 40 entrants will compete at College Park for three finalist positions at Kennedy Center with the Baltimore Symphony Orchestra. Seminars, masterclasses and evening recitals will complement the 10-day competition, which is the only North American member of the prestigious World Federation of International Music Competitions. For more information, call (301) 405-8174.

Pre-College Arts Programs

During the summer visual, performing and literary arts programs are offered for teens not yet ready for college by the College Park's Summer Arts and Leadership Camps of the Art and Learning Center. In these one- to two-week residential, full- and half-day programs students focus on community and self-development through photography, painting, dramatic role play or music. All teachers are professional artists and educators with UMCP faculty assisting. For more information, contact Barbara Tyroler at bt27@uemail.umd.edu, call (301) 314-2787, or visit our web page at www.inform.umd.edu/artcenter.



Evening Courses (after 5 p.m.)

**SESSION I —
June 1 to July 9, 1999**

Afro-American Studies

AASP 395X African-American Politics

American Studies

AMST 204 Film and American Culture Studies

Architecture

ARCH 223 History of Non-Western Architecture
ARCH 242 Drawing I
ARCH 343 Drawing II, Line Drawing
ARCH 428G Architectural History: Great Cities
ARCH 470 Computer Applications in Architecture

Art Studio

ART 150 Introduction to Art Theory
ART 468B Issues in Contemporary Art

Biological Sciences

BIOI 272 Principles of Genetics

Business and Management

BMG1 110 Introduction to Business and Management
BMG1 201 Introduction to Business Computing
BMG1 220 Principles of Accounting I
BMG1 221 Principles of Accounting II
BMG1 230 Business Statistics
BMG1 310 Intermediate Accounting I
BMG1 311 Intermediate Accounting II
BMG1 340 Business Finance
BMG1 350 Marketing Principles and Organization
BMG1 354 Promotion Management
BMG1 364 Management and Organization Theory
BMG1 380 Business Law I
BMG1 411 Ethics and Professionalism in Accounting
BMG1 422 Auditing Theory and Practice
BMG1 424 Advanced Accounting
BMG1 446 International Finance
BMG1 451 Consumer Analysis
BMG1 464 Organizational Behavior
BMG1 476 Applied Computer Models in Logistics and Transportation Management

BMG1 496 Business Ethics and Society
BMG1 501 Business Functions
BMG1 611 Managerial Accounting
BMG1 615 Business Communications
BMG1 620 Strategic Information Systems
BMG1 632 Decision Modeling and Analysis
BMG1 682 Business Law for Managers
BMG1 690 Strategic Management
BMG1 720 Information Technology and Corporate Transformation

BMG1 721 File Processing and Database Systems
BMG1 741 Advanced Financial Management
BMG1 745 Financial Institutions Management
BMG1 752 Marketing Research Methods
BMG1 757 Marketing Strategy
BMG1 764 Executive Power and Negotiation
BMG1 798I Industry and Competitive Analysis

Chemistry

CHEM 103 General Chemistry I
CHEM 113 General Chemistry II

Chinese

CHIN 213 Chinese Poetry into English: An Introduction

Civil Engineering

ENCE 664 Construction Contracts and Specifications

Communication

COMM 107 Oral Communication: Principles and Practices
COMM 230 Argumentation and Debate
COMM 324 Communication and Gender
COMM 360 The Rhetoric of Black America
COMM 400 Research Methods in Communication
COMM 401 Interpreting Strategic Discourse
COMM 426 Conflict Management
COMM 482 Intercultural Communication

Comparative Literature

CLML 270 Global Literature and Social Change
CLML 275 World Literature by Women

Criminology and Criminal Justice

CCSJ 320 Introduction to Criminologists

Economics

ECON 200 Principles of Micro-Economics
ECON 201 Principles of Macro-Economics
ECON 306 Intermediate Microeconomic Theory

Education Policy, Planning and Administration

EDPA 601 Contemporary Social Issues in Education
EDPA 837 Curriculum Theory and Research

Engineering, Professional Master's in

ENPM 627 Risk Assessment for Environmental Compliance
ENPM 808F Applied Finite Element Methods
ENPM 808G Engineering Applications of Maxwell's Equations

English

ENGL 101 Introduction to Writing
ENGL 205 Introduction to Shakespeare
ENGL 222 American Literature 1865-Present
ENGL 278F The Blues Tradition: African-American Folk and Popular Song

ENGL 312 Romantic to Modern British Literature
ENGL 348A Literary Works by Women: Women in the Plantation Household

ENGL 379E Film Analysis - The Rhetoric of Fictional Worlds
ENGL 391 Advanced Composition
ENGL 393 Technical Writing
ENGL 393X Technical Writing (for students for whom English is a second language)

ENGL 394 Business Writing
ENGL 399 Insh Renaissance
ENGL 621 Readings in Renaissance English Literature

Family Studies

FMS1 298F Future of Families

French

FREN 480 French Cinema: A Cultural Approach (in translation)
FREN 499M Dimensions and Perspectives of Francophone African and Caribbean Cinema

Geography

GEOG 100 Introduction to Geography
GEOG 372 Remote Sensing
GEOG 456 The Social Geography of Metropolitan Areas

Government and Politics

GVPT 241 The Study of Political Philosophy: Ancient and Modern

Health

HLTH 150 First Aid and Emergency Medical Services
HLTH 377 Human Sexuality
HLTH 471 Women's Health
HLTH 498A Massage Therapy
HLTH 498X AIDS Education

Hearing and Speech Sciences

HESP 498A Seminar: Deafness and Sign Language

History

HIST 210 Women in America to 1880
HIST 353 America in the Revolutionary Era, 1763-1815
HIST 473 History of the Caribbean

Honors

HONR 238B Images of Masculinity in Twentieth Century American Literature and Film

Human Development

EHDD 400 Introduction to Gerontology
EHDD 413 Adolescent Development
EHDD 420 Cognitive Development and Learning

Library Science

LBS1 650 Information Access
LBS1 670 Information Structure
LBS1 708E Maps as Source Materials
LBS1 708P Advanced Electronic Records
LBS1 708S Management of Electronic Records
LBS1 741 Seminar in School Library Media Programs

Measurement, Statistics and Evaluation

EDMS 645 Quantitative Research Methods I
EDMS 646 Quantitative Research Methods II

Philosophy

PHIL 342 Moral Problems in Medicine

Psychology

PSYC 436 Introduction to Clinical Psychology

Public Affairs

PUAF 640 Microeconomic Theory and Policy Analysis
PUAF 650 Normative Analysis
PUAF 670 Finance

Reliability Engineering

ENRE 467 System Safety Engineering

Spanish

SPAN 202 Intermediate Grammar and Composition
SPAN 311 Advanced Conversation I
SPAN 408 Hispanic Lit., Parody of Love in the Middle Ages: El Libro de Buen Amor
SPAN 449 Special Topics in Spanish Civilization: Pioneer Feminists, Women in Medieval Castle

Special Education

EDSP 210 Introduction to Special Education
EDSP 376 Fundamentals of Sign Language
EDSP 470 Introduction to Special Education (non-majors only)
EDSP 670 Single Subject Research in Special Education
EDSP 678 Programming for Handicapped Infants, Medical and Genetic Implications

Survey Methodology

SURV 623 Data Collection Methods in Survey Research
SURV 625 Applied Sampling
SURV 722 Randomized/Non-randomized Design

Urban Studies and Planning

URSP 703 Community Planning Field Instruction and Practicum

**SESSION II —
July 12 to August 20, 1999**

American Studies

AMST 429E Perspectives on Popular Culture: Television Situation Comedy

Architecture

ARCH 223 History of Non-Western Architecture
ARCH 628I Selected Topics in Architectural History
ARCH 678F Facades

Business and Management

BMG1 201 Introduction to Business Computing
BMG1 220 Principles of Accounting I
BMG1 221 Principles of Accounting II
BMG1 310 Intermediate Accounting I
BMG1 323 Income Tax Accounting
BMG1 340 Business Finance
BMG1 350 Marketing Principles and Organization
BMG1 364 Management and Organization Theory
BMG1 370 Introduction to Transportation Management
BMG1 380 Business Law I
BMG1 381 Business Law II
BMG1 402 Database Systems
BMG1 422 Auditing Theory and Practice
BMG1 440 Financial Management
BMG1 445 Commercial Bank Management
BMG1 495 Business Policies
BMG1 505 Organizational Behavior and Strategic Management

BMG1 662 Organizational Behavior and Human Resources
BMG1 663 Introduction to the Management of Human Resources
BMG1 681 Managerial Economics and Public Policy
BMG1 725 Informational Systems Analysis and Design
BMG1 726 Distributed Data Processing
BMG1 741 Advanced Financial Management
BMG1 743 Investment Management
BMG1 746 International Financial Management
BMG1 753 International Marketing
BMG1 754 Buyer Behavior Analysis
BMG1 795 Management of the Multinational Firm
BMG1 798A Organizational Change
BMG1 798C Financial Statement Analysis

Chinese

CHIN 213 Chinese Poetry into English: An Introduction

Communication

COMM 107 Oral Communication: Principles and Practices
COMM 324 Communication and Gender

Comparative Literature

CLML 270 Global Literature and Social Change
CLML 275 World Literature by Women

Criminology and Criminal Justice

CCSJ 324 Law of Criminal Investigation
CCSJ 320 Introduction to Criminologists

Economics

ECON 200 Principles of Micro-Economics
ECON 201 Principles of Macro-Economics
ECON 305 Intermediate Microeconomic Theory and Policy

ECON 306 Intermediate Microeconomic Theory
ECON 440 International Economics

English

ENGL 101 Introduction to Writing
ENGL 310 Medieval and Renaissance British Literature
ENGL 360 African, Indian and Caribbean Writers
ENGL 379E Film Analysis - The Rhetoric of Fictional Worlds
ENGL 391 Advanced Composition
ENGL 393 Technical Writing
ENGL 393X Technical Writing (for students for whom English is a second language)

ENGL 394 Business Writing
ENGL 404 Shakespeare: The Later Works
ENGL 420 Introduction to the Romantic Period I
ENGL 479A AIDS and African America: History, Rhetoric and Literature
ENGL 489A The Language of Advertising
ENGL 601 Literary Research and Critical Contexts
ENGL 601A Literary Research and Critical Contexts
ENGL 611 Approaches to College Composition

Family Studies

FMS1 487 Legal Aspects of Family Problems
FMS1 498R Sexuality and Family Relations

Fire Protection Engineering

ENFP 489R Risk Analysis and Fire Safety Data

Geography

GEOG 373 Geographic Information Systems

Government and Politics

GVPT 309X Conflict Resolution - The Israeli-Palestinian Experiment
GVPT 399B Vietnam Legacies and Film
GVPT 479A Problems of American Public Policy: The Politics of the Vietnam War

Health

HLTH 150 First Aid and Emergency Medical Services
HLTH 377 Human Sexuality
HLTH 471 Women's Health

History

HIST 355 Civil War and the Rise of Industrialization, 1860-1900
HIST 453 Diplomatic History of the United States from 1914
HIST 459A Native American Ethnohistory: Theories and Methods
HIST 467 History of Maryland

Honors

HONR 239X The Discovery of Personality in Literature

Human Development

EHDD 460 Educational Psychology

Italian

ITAL 271 The Italian-American Experience (in English)
ITAL 499R Italian for Research

Journalism

JOUR 530 Public Relations Theory and Techniques for Graduate Students

Library Science

LBS1 690 Information Technology
LBS1 708W Managing Cultural Institutions
LBS1 794 Principles of Software Evaluation

Philosophy

PHIL 447 Philosophy of Law

Measurement, Statistics and Evaluation

EDMS 645 Quantitative Research Methods I
EDMS 646 Quantitative Research Methods II
EDMS 651 Intermediate Statistics in Education

Sociology

SOCL 498B Sociology of Popular Culture

Spanish

SPAN 201 Intermediate Spanish
SPAN 301 Advanced Grammar and Composition I
SPAN 312 Advanced Conversation II
SPAN 409 Hispanic Literature: *Novela y cine en Latinoamérica*
SPAN 448 *Rebelion y revolucion del siglo XXI en Mexico*

Special Education

EDSP 376 Fundamentals of Sign Language
EDSP 470 Introduction to Special Education
EDSP 491 Characteristics of Learning Disabled Students

Urban Studies and Planning

URSP 681 Urban Planning Law
URSP 703 Community Planning Field Instruction and Practicum

CORE Required Courses

These CORE courses are offered during Summer Sessions I and II, 1999. Consult the most recent edition of the Schedule of Classes or Undergraduate Catalog for CORE program requirements. Refer to the Schedule of Classes in this catalogue for session class time information.

CORE Fundamental Studies Courses

CORE AND USP INTRODUCTION TO WRITING COURSES
 ENGL 101 Introduction to Writing
 ENGL 101X Introduction to Writing (English as a second language)

CORE AND USP PROFESSIONAL WRITING COURSES
 ENGL 391 Advanced Composition
 ENGL 392 Advanced Composition: Prewriting
 ENGL 393 Technical Writing
 ENGL 393X Technical Writing (English as a second language)
 ENGL 394 Business Writing
 ENGL 395 Technical Writing: Pre-Med

CORE AND USP MATHEMATICS COURSES
 MATH 110 Elementary Mathematical Models
 MATH 111 Introduction to Probability
 MATH 113 College Algebra with Applications
 MATH 115 Pre-calculus

CORE Distributive Studies

NOTE: Courses noted "(D)" also meet the CORE Diversity Requirement

Humanities and the Arts

CORE LITERATURE COURSES (HL)
 CHIN 213 Chinese Poetry into English: An Introduction (D)
 CLAS 170 Greek and Roman Mythology
 CMLT 270 Global Literature and Social Change (D)
 CMLT 275 World Literature by Women (also as WMST 275) (D)
 ENGL 205 Introduction to Shakespeare
 ENGL 222 American Literature: 1865 to the Present
 ENGL 234 Introduction to African-American Literature (D)
 ENGL 241 Introduction to the Novel
 ENGL 250 Introduction to Literature by Women (also WMST 255) (D)
 ENGL 2785 The American Short Story in Its World Context
 HNMR 2388 Images of Masculinity in Twentieth Century American Literature and Film
 HNMR 239K The Discovery of Personality in Literature
 SPAN 222 Cultural Difference in Contemporary Latin American Culture (D)
 WMST 255 Introduction to Literature by Women (also as ENGL 250) (D)
 WMST 275 World Literature by Women (also as CMLT 275) (D)

CORE HISTORY OR THEORY OF THE ARTS COURSES (HA)
 ARCH 170 Introduction to the Built Environment
 ARCH 223 History of Non-Western Architecture (D)
 ARTH 100 Introduction to Art
 ARTH 200 Art of the Western World to 1300
 ARTH 201 Art of the Western World after 1300
 ARTH 290 Art of Asia (D)
 ARTT 150 Introduction to Art Theory
 MUSC 130 Survey of Music Literature
 MUSC 140 Music Fundamentals I
 MUSC 210 The Impact of Music on Life (D)
 THET 110 Introduction to the Theatre
 WMST 250 Introduction to Women's Studies: Women, Art, and Culture (D)

CORE HUMANITIES COURSES (HO)
 AMST 203 Popular Culture in America
 AMST 204 Film and American Culture Studies
 FREN 203 Intermediate French
 FREN 204 Review Grammar
 GERM 201 Intermediate German I
 GERM 202 Intermediate German II
 HIST 112 The Rise of the West: 1500-1789
 ITAL 271 The Italian-American Experience
 KNES 262 Philosophy of Sport
 LARC 160 Introduction to Landscape Architecture
 LING 240 Language and Mind
 PHIL 100 Introduction to Philosophy
 PHIL 140 Contemporary Moral Issues
 PHIL 250 Philosophy of Science I
 SPAN 201 Intermediate Spanish
 SPAN 202 Intermediate Grammar and Composition

CORE Mathematics and the Sciences

CORE PHYSICAL SCIENCES NON-LAB COURSES (PS)
 ASTR 100 Introduction to Astronomy
 ENES 100A Introduction to Engineering Design
 PHYS 161 General Physics: Mechanics and Particle Dynamics

CORE LIFE SCIENCES NON-LAB COURSES (LS)
 NSC 100 Elements of Nutrition
 PBIO 235 Environmental Science (formerly BOTN 211)

CORE MATH OR FORMAL REASONING NON-LAB COURSES (MS)
 CMSC 150 Introduction to Discrete Structures
 GEOG 170 Maps and Map Use
 MATH 111 Introduction to Probability
 MATH 140 Calculus I
 MATH 141 Calculus II
 MATH 220 Elementary Calculus I
 MATH 221 Elementary Calculus II
 MATH 240 Introduction to Linear Algebra
 PHIL 170 Introduction to Logic
 PHIL 209P Philosophy and Computers
 STAT 100 Elementary Statistics and Probability

CORE PHYSICAL SCIENCES LAB COURSES (PL)
 ASTR 101 General Astronomy
 CHEM 103 General Chemistry I
 CHEM 103M General Chemistry I
 CHEM 113 General Chemistry II
 CHEM 113M General Chemistry II
 GEOL 100/110 Physical Geology and Physical Geology Laboratory (BOTH COURSES MUST BE TAKEN IN THE SAME SESSION)
 PHYS 121 Fundamentals of Physics I
 PHYS 122 Fundamentals of Physics II
 PHYS 262 General Physics: Vibrations, Waves, Heat, Electricity, and Magnetism

CORE LIFE SCIENCES LAB COURSES (LL)
 ANTH 220 Introduction to Biological Anthropology (D)
 BIOL 105 Principles of Biology I
 BIOL 105M Principles of Biology I
 BIOL 106 Principles of Biology II
 CHEM 104 Fundamentals of Organic and Biochemistry
 MICR 200 General Microbiology
 PBIO 100/101 Plant Biology for Non-Science Students and Laboratory in Plant Biology (formerly BOTN 104/105, BOTH COURSES MUST BE TAKEN IN THE SAME SESSION)
 ZOOL 201 Human Anatomy and Physiology I

Social Sciences and History

CORE SOCIAL OR POLITICAL HISTORY COURSES (SH)
 AASP 100 Introduction to Afro-American Studies (D)
 AASP 202 Black Culture in the United States (D)
 HIST 111 The Medieval World
 HIST 113 Modern Europe: 1789 - Present
 HIST 156 History of the United States to 1865
 HIST 157 History of the United States since 1865
 HIST 210 Women in America to 1880 (also as WMST 210) (D)
 HNMR 2486 Social and Group Violence in America
 KNES 293 History of Sport in America
 WMST 210 Women in America to 1880 (also as HIST 210) (D)

CORE BEHAVIORAL AND SOCIAL SCIENCE COURSES (SB)
 AASP 101 Public Policy and the Black Community
 ANTH 260 Introduction to Sociocultural Anthropology and Linguistics (D)
 CJJS 100 Introduction to Criminal Justice
 CJJS 105 Introduction to Criminology
 ECON 200 Principles of Micro-Economics (formerly as ECON 203)
 ECON 201 Principles of Macro-Economics
 GEOG 100 Introduction to Geography
 GEOG 130 Developing Countries (D)
 GEOG 202 The World in Cultural Perspective
 GVPT 100 Principles of Government and Politics
 GVPT 170 American Government
 GVPT 200 International Political Relations
 JOUR 100 Introduction to Mass Communication
 LING 200 Introductory Linguistics
 PSYC 100 Introduction to Psychology
 SOCY 100 Introduction to Sociology
 SOCY 105 Introduction to Contemporary Social Problems

CORE ADVANCED STUDY REQUIREMENT
 See the second edition Spring 1999 or first edition Fall 1999 Schedule of Classes for details.

CORE CAPSTONE COURSE (CS)
 (MAJORS ONLY; AFTER COMPLETING 86 CREDITS)
 BMGT 457 Marketing Policies and Strategies
 BMGT 495 Business Policies

CORE HUMAN/CULTURAL DIVERSITY
 (** indicates course is also CORE Distributive Studies)

CORE DIVERSITY COURSES RECOMMENDED FOR FRESHMANS AND SOPHOMORES (UNDER 56 CREDITS) (D)
 AASP 100 Intro. to Afro-American Studies*
 AASP 202 Black Culture in the United States*
 AMST 212 Diversity in American Culture
 ANTH 220 Introduction to Biological Anthropology*
 ANTH 260 Introduction to Sociocultural Anthropology and Linguistics*
 ARCH 223 History of Non-Western Architecture*
 ARTH 290 Art of Asia*
 CHIN 213 Chinese Poetry into English: An Introduction*
 CMLT 270 Global Literature and Social Change
 CMLT 275 World Literature by Women* (also as WMST 275)
 ENGL 234 Introduction to African-American Literature*
 ENGL 250 Introduction to Literature by Women* (also as WMST 255)
 GEOG 130 Developing Countries*
 HIST 210 Women in America to 1880* (also as WMST 210)
 MUSC 210 The Impact of Music on Life*
 SPAN 222 Cultural Difference in Contemporary Latin American Culture*
 WMST 210 Women in America to 1880* (also as HIST 210)
 WMST 250 Introduction to Women's Studies: Women, Art, and Culture*
 WMST 255 Introduction to Literature by Women* (also as ENGL 250)
 WMST 275 World Literature by Women* (also as CMLT 275)

CORE DIVERSITY COURSES RECOMMENDED FOR JUNIORS AND SENIORS (AFTER 56 CREDITS) (D)
 CJJS 370 Race, Crime, and Criminal Justice
 COMM 324 Communication and Gender (formerly SPCH 324)
 COMM 360 The Rhetoric of Black America (formerly SPCH 360)
 COMM 482 Intercultural Communication (formerly SPCH 482)
 EDCP 470 Education and Racism
 ENGL 348A Women in the Plantation
 ENGL 360 African, Indian, and Caribbean Writers
 FANST 381 Poverty, Affluence, and Families
 GVPT 447 Islamic Political Philosophy
 HIST 314A Crisis and Change in the Middle East and Africa: Nationalism and Nation-Building in the Middle East
 HIST 473 History of the Caribbean
 HLTH 471 Women's Health (also as WMST 471)
 PSYC 354 Cross-Cultural Psychology
 SOCY 325 Sociology of Gender (also as WMST 325)
 WMST 325 Sociology of Gender (also as SOCY 325)
 WMST 471 Women's Health (also as HLTH 471)

CORE ONE-TIME ONLY COURSES

The following CORE courses are approved for Summer 1999 only in the CORE categories noted.
 ENGL 278F The Blues Tradition: African-American Folk and Popular Song (HO/D)

USP students should contact the CORE Office in the Office of the Dean for Undergraduate Studies, 2130 Mitchell Building, Zip S251, phone (301) 405-9359 for lists of approved USP courses.

College Park Summer Sessions course offerings are updated daily on the World Wide Web at <http://www.testudo.umd.edu> and <http://www.inform.umd.edu/summer>. For a complete list of evening courses, see page 12.

The following course listing is accurate as this catalogue went to press. However, departments often add course sections in response to high demand, and others might have been rescheduled.

You can get up-to-the-minute course offerings at <http://www.testudo.umd.edu> and <http://inform.umd.edu/summer>.

QUESTIONS? Call 1-800-711-UMCP or (301) 405-6551

Guidelines for Course Selection

The session for which a specific course section is scheduled is designated by the first two digits of the section number: 01 for Summer Session I and 02 for Summer Session II. Some courses are offered in both summer sessions.

If the course or section meeting dates deviate from the regular Summer Session dates, the specific starting and ending dates are displayed below the

- ▶ Seat counts and sections information are updated hourly and waitlisted nightly
 - ▶ Print sections of the schedule to reference when calling MARS
 - ▶ Access from any WAM lab,* any on-campus Windows PC, MAC or NeXT computer, or any dial-up computer by telnetting to INFORM
- * A WAM account is not needed to access the Web.

title for the course. The section number indicates the session to which a nonstandard course or section belongs for registration purposes.

Additional information on nonstandard date courses can be found on page 3 of this catalogue. In many instances registration, billing and grading procedures will be different for those courses.

AASP Afro-American Studies

(BEHAVIORAL AND SOCIAL SCIENCES)

AASP100 Introduction to Afro-American Studies
(3) REG/P-F/AUD.

CORE: Social or Political History (SH) DIVERSITY Significant aspects of the history of Afro-Americans with particular emphasis on the evolution and development of black communities from slavery to the present. Interdisciplinary introduction to social, political, legal and economic roots of contemporary problems faced by blacks in the United States with applications to the lives of other racial and ethnic minorities in the Americas and in other societies

0101 (00001) Wilson, F. TuWTh 2:00pm-4:15pm (PLS 1111)

AASP101 Public Policy and the Black Community
(3) REG/P-F/AUD.

CORE: Behavioral and Social Science (SB) Formerly AASP 300. The impact of public policies on the black community and the role of the policy process in affecting the social, economic and political well-being of minorities. Particular attention given to the post-1960 to present era

0101 (00012) England, J. TuTh 9:30am-12:50pm (PLS 1115)

AASP386 Experiential Learning
(3-6) REG/P-F.

Prerequisite: permission of department. 56 semester hours.

0101 (00032) McCarly, J.
Meets 06/01/99-08/20/99 W 4:00pm-6:30pm (LF 1222)
Time and room to be arranged Dis

AASP398X Selected Topics in the African Diaspora: African-American Politics
(3) REG/P-F/AUD.

0101 (00042) Johnson, O. TuW 5:00pm-8:20pm (LF 1220)

This course examines African American politics in the United States, both past and present, by analyzing the black political struggle for

freedom and the relationship between African Americans and traditional American political institutions. The course also discusses important aspects of black political culture, including racial identity, rap music, and gender relations.

AASP478I Humanities Topics in Afro-American Studies: Black Popular Culture in American Society
(3) REG/P-F/AUD

This course will examine contemporary black popular culture in the U.S. from the 1970s to the 1990s. Film, television, literature, advertisements and music will be examined as cultural products that reflect the particular values and ethos of black Americans in the latter part of the 20th Century. We will explore how political and historical factors such as the "war on poverty," the Reagan years, and the Rodney King incident influenced the production of black popular culture

0101 (00062) George, E. TuTh 11:00am-2:30pm (PLS 1117)

AGRO Agronomy

(AGRICULTURE AND NATURAL RESOURCES)

AGRO308 Field Soil Morphology
(4) REG/P-F/AUD.

Prerequisite: One college course (3 credits) in Introductory Soil Science (or permission of instructor). An intensive field study of soils at locations across the state of Maryland, with particular emphasis on soil morphology, soil classification, and evaluating the suitability of soils for a variety of uses. Special Fee: \$297/student to be charged to cover field preparation and the costs of transportation.

0101 (00185) Rothenhaft, M.
Meets 06/01/99-06/18/99 MtuWThF 7:00am-7:00pm (HIP 1104)

AGRO386 Experiential Learning (PermReq)
(3-6) REG/P-F.

Individual instruction course: contact department or instructor to obtain section number. Prerequisite: permission of department. 56 semester hours.

Sample Course Listing

COURSE PREFIX AND NUMBER	AASP100	Introduction to Afro-American Studies	COURSE TITLE
EVENING COURSE	☉		
CREDITS		(3) REG/P-F/AUD.	
GRADE METHOD		CORE: Social or Political History (SH) DIVERSITY Significant aspects of the history of Afro-Americans with particular emphasis on the evolution and development of black communities from slavery to the present. Interdisciplinary introduction to social, political, legal and economic roots of contemporary problems faced by blacks in the United States with applications to the lives of other racial and ethnic minorities in the Americas and in other societies.	DESCRIPTION
REG = A-F Grading			
P-F = Pass/Fail			
AUD = Audit Grading			
MARS NUMBER			INSTRUCTOR
SESSION	0101 (00001)	Wilson, F.	
LAST 2 DIGITS = COURSE SECTION		TuWTh 2:00pm-4:15pm (PLS 1111)	DAYS/TIMES/LOCATION

AGRO499 Special Problems in Agronomy
(1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

AGRO608 Research Methods
(1-4) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

AGRO608B Research Methods: Field Studies in Pedology
(4) REG/AUD.

Prerequisite: One college course (3 credits) in Introductory Soil Science (or permission of instructor). An intensive field study of soils at locations across the State of Maryland, with particular emphasis on soil morphology, soil classification, and evaluating the suitability of soils for a variety of uses. Special Fee: \$297/student to be charged to cover field preparation and the costs of transportation.

0101 (00201) Rothenhaft, M.
Meets 06/01/99-06/18/99 MtuWThF 7:00am-7:00pm (HIP 1104)

AGRO799 Master's Thesis Research
(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

AGRO899 Doctoral Dissertation Research
(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

AMST American Studies

(ARTS AND HUMANITIES)

AMST201 Introduction to American Studies
(3) REG/P-F/AUD.

CORE: Humanities (HD) Introduction to American cultural studies—past and present—by examining the concept of "self" in American autobiographical writing and the concept of "society" in accounts of various communities.

0101 (00264) Anronam, G. MtuTh 9:30am-11:50am (TLF 1101)

AMST204 Film and American Studies

(3) REG/P-F/AUD.

CORE: Humanities (HO) Exploration of the American film from an historical perspective, illustrating the motion picture's role as an institutional phenomenon, as a form of communication, and as a source of cross-cultural study.

0101 (00284) Lounsbury, M. MW 6:15pm-9:45pm (TLF 2101)

AMST212 Diversity in American Culture

(3) REG/P-F/AUD.

DIVERSITY Exploration of the role of ethnic diversity in the shaping of American culture. Special emphasis will be placed on the multi-cultural origins of American popular and material culture, such as foodways and entertainment, and on the experience of "Amniconzation."

0101 (00294) Poolett, J. Time and room to be arranged

On-line class with no scheduled class meetings (office consultations with the instructor can be arranged). This format requires self-discipline and the ability to work independently. Students must have basic computer and World Wide Web literacy skills as well as WAM or other ISP accounts. For more information, contact the instructor, Dr. Jo Poolett by email jpo4@umail.umd.edu

AMST386 Experiential Learning

(3-6) REG/P-F

Individual instruction course: contact department or instructor to obtain section number. Prerequisite: permission of department. 56 semester hours.

AMST398 Independent Studies

(1-3) REG.

Individual instruction course: contact department or instructor to obtain section number.

AMST418P Cultural Themes in America: Electronic Exhibitions & Publications in American Studies

(3) REG/P-F/AUD.

This course meets once, face to face, on Tuesday, June 1. All other meetings will be through the Internet, via e-mail and a Web based class chatroom. This course requires extensive use of the Internet. Students must have a WAM account prior to May 25. During the term we will critically engage and contribute to the mass phenomenon of Web publication and virtual exhibition, exploring, on multiple levels, changes in the production and reception of knowledge engendered by new information technologies. For further information, contact Debra DeRuyver, dd131@umail.umd.edu or by phone, (301) 305-0788.

0101 (00328) DeRuyver, D. Time and room to be arranged

AMST418Q Cultural Themes in America: Public Schools, Extracurricular Activities, and the Acculturation of American Adolescents

(3) REG/P-F/AUD.

0101 (00338) Adams, P. TuTh 4:30pm-7:50pm (TLF 2101)

This course examines the role of high school extracurricular activities including interscholastic sports, music groups, social and scholastic programs that are part of the traditional high school experience. Students will be asked to consider both the serious and formal significance of these activities, and the unofficial social meaning resulting from the sanctioned and unsanctioned behavior of students participating in events such as homecoming, prom, and graduation, as well as the images of these events and activities as presented in the popular media. The class will be presented in a colloquium format with some informal lectures and discussion and participation.

AMST418R Cultural Themes in America: The Space Program and American National Character

(3) REG/P-F/AUD.

0101 (00348) Hlbesch, D. TuTh 12:50pm-4:10pm (TLF 2101)

This course examines how science fiction writers, scientists, and politicians fostered the popular conviction that the conquest of space was possible and desirable as a part of American manifest

destiny. The focus will be on the role that popular culture and discourse played in the formulation of national space policy during the 1950s and 1960s. The Space Program is also considered within the context of the Cold War with the Soviet Union during the post World War II period. Beginning with Frederick Jackson Turner's influential essay "The Significance of the Frontier in American History" and Jon W. Wood's "The Meaning of Lindbergh's Flight," the concept of "space as frontier" as a part of American national character is explored and debated.

AMST428B American Cultural Eras: American Film Culture in the 1960s

(3) REG/P-F/AUD.

Prerequisite: a course in one of the following — *AMST, film, twentieth-century American history, ARTH, or SOCY* Investigating the intersection between the film medium and an era of significant cultural change, the course will emphasize: 1) institutional factors; 2) Hollywood genres; 3) documentaries and experimental observation and reform.

0101 (00358) Lounsbury, M. MW 1:00pm-4:30pm (TLF 2101)

AMST429I Perspectives on Popular Culture: Black Popular Culture in American Society

(3) REG/P-F/AUD.

The course will examine contemporary Black popular culture in the U.S. from the 1970s to the 1990s: Film, television, literature, advertisements, and music will be examined as cultural products that reflect the particular values and ethos of Black Americans in particular at this moment in history. We will explore how political and historical factors such as the "war on poverty," the Reagan years, and the Rodney King incident influenced the production of Black popular culture.

0101 (00378) George, E. TuTh 11:00am-2:30pm (PLS 1117)

AMST698 Directed Readings in American Studies

(3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number

AMST799 Master's Thesis Research

(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number

AMST899 Doctoral Dissertation Research

(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

ANSC Animal Science

(AGRICULTURE AND NATURAL RESOURCES)

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

ANSC386 Experiential Learning (PermReq)

(3-6) REG/P-F.

Prerequisite: permission of department. 56 semester hours.

0101 (00443) STAFF Time and room to be arranged

ANSC399 Special Problems in Animal Science (PermReq)

(1-2) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ANSC660 Poultry Literature

(1-4) REG/AUD.

Readings on individual topics are assigned. Written reports required. Methods of analysis and presentation of scientific material are discussed.

0101 (00457) STAFF Time and room to be arranged

ANSC699 Special Problems in Animal Science (PermReq)

(1-2) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ANSC799 Master's Thesis Research (PermReq)

(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

ANSC899 Doctoral Dissertation Research (PermReq)

(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

ANTH Anthropology

(BEHAVIORAL AND SOCIAL SCIENCES)

ANTH220 Introduction to Biological Anthropology

(4) REG/P-F/AUD.

CORE: Life Science Lab (LU) **DIVERSITY** Credit will be granted for only one of the following: ANTH 101 or ANTH 220. Formerly ANTH 101. Human biological evolution including the biology of contemporary human groups, non-human primate social behavior, and the fossil, biochemical, and molecular evidence for human evolution. Includes a laboratory study of human population genetics, biochemical variation, and anatomical diversity in modern and fossil human and non-human primate groups.

0101 (00545) Mack, M. MWF 9:30am-11:45am (SKN 1112)
TuTh 9:00am-11:40am
(WUS 01240) Lab

ANTH260 Introduction to Sociocultural Anthropology and Linguistics

(3) REG/P-F/AUD.

CORE: Behavioral and Social Science (SB) **DIVERSITY** Credit will be granted for only one of the following: ANTH 102 or ANTH 260. Formerly ANTH 102. Culture and social relationships in a wide variety of settings from small-scale to complex societies. An overview of how anthropology analyzes human behavior. Particular attention to the relationship between language and culture.

0101 (00555) Stuart, W. MiTuW 9:30am-11:45am (TLF 2101)

ANTH360 Method and Theory in Sociocultural Anthropology

(3) REG/P-F/AUD.

Prerequisite: ANTH 260. Theoretical approaches and research methods in sociocultural anthropology. Emphasis on current debates, new directions, and their historical antecedents.

0101 (00565) Stuart, W. MiTuW 1:00pm-3:15pm (KEY 0125)

ANTH386 Experiential Learning (PermReq)

(1-6) REG/P-F

Individual instruction course: contact department or instructor to obtain section number. **Prerequisite:** permission of department

Recommended: completion of advanced courses in relevant subfield of anthropology. 56 semester hours. For ANTH majors only.

Approval of Instructor Required; check with department for section (and index) number.

ANTH398A Independent Study (PermReq)

(1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

Approval of instructor required; check with department for section (and index) number.

ANTH476 Senior Research (PermReq)

(3-6) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number. For ANTH majors only. Credit will be granted for only one of the following: ANTH 476 or ANTH 486.

Capstone course in which students pursue independent research

into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of a senior thesis in anthropology.

ANTH477 Senior Thesis (PermReq)

(3-4) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number. **Prerequisite:** ANTH 476, permission of department. For ANTH majors only. Credit will be granted for only one of the following: ANTH 477 or ANTH 487. Capstone course in which students write a senior thesis on independent research into a current problem in anthropology. The thesis is defined before a committee of faculty.

ANTH486 Honors Research

(3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number. **Prerequisites:** permission of department, admission to University Honors Program or Anthropology Honors Program. For ANTH majors only. Credit will be granted for only one of the following: ANTH 486 or ANTH 476. Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of an honors thesis in anthropology.

ANTH48 Honors Thesis

(3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number. **Prerequisites:** ANTH 486, permission of department; admission to University Honors Program or Anthropology Honors Program. For ANTH majors only. Credit will be granted for only one of the following: ANTH 487 or ANTH 477. Capstone course in which students write a thesis on the results of independent research into a current problem in anthropology.

ANTH496 Field Methods in Archaeology

(6) REG/P-F/AUD.

Formerly ANTH 499. Field training in the techniques of archeological survey and excavation.

0101 (00715) Neuwirth, J. MiTuWThF 8:00am-4:00pm (Arranged)
Meets 06/01/99-07/09/99

This course fulfills requirements for ANTH 340.

ANTH689A Special Problems in Anthropology (PermReq)

(1-6) REG/S-F

Individual instruction course: contact department or instructor to obtain section number

Approval of instructor required; check with department for section (and index) number.

ANTH696 Field Methods in Archaeology

(6) REG/AUD.

Formerly ANTH 699. Field training in the techniques of archeological survey and excavation.

0101 (00749) Neuwirth, J. Meets 06/01/99-07/09/99 MiTuWThF 8:00am-4:00pm (Arranged)

ANTH705 Internship (PermReq)

(3-12) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number. **Prerequisite:** ANTH 701. Problem-oriented internship with an appropriate public agency or private institution under the direction of a faculty and agency supervisor.

Approval of Instructor required; check with department for section (and index) number.

ANTH712 Internship Analysis (PermReq)

(3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number. **Prerequisite:** ANTH 705. The preparation and presentation of internship reports, development of skills in report writing and presentation. The completion of a professional quality report based on the internship experience. Review of problems in ethics and professional development.

Approval of instructor required; check with department for section (and index) number.

ARCH Architecture

(ARCHITECTURE)

ARCH170 Introduction to the Built Environment
(3) REG/P-F/AUD.

CORE: History or Theory of Arts (HA) Introduction to conceptual, perceptual, behavioral and technical aspects of environmental design; methods of analysis, problem-solving and project implementation.

0101 (00856) Francescato, G. *MtuWTh* 11:00am-12:40pm (ARC 1101)

ARCH220 History of Architecture I
(3) REG/P-F/AUD.

Survey of Western architectural history to the Renaissance. With consideration of parallel developments in the Eastern World.

0101 (00866) Vann, R. *MtuWThF* 9:30am-10:50am (ARC 1101)

ARCH223 History of Non-Western Architecture *(PermReq)*
(3) REG.

CORE: History or Theory of Arts (HA) DIVERSITY Survey of architectural history including prehistoric and vernacular, ancient civilizations of Egypt, Mesopotamia and the Indus valley; the Islamic world, Hindu and Buddhist traditions of Asia, and pre-European Africa and the Americas.

0101 (00886) Vann, R. *TuTh* 7:00pm-10:00pm (ARC 1105)

ARCH242 Drawing I
(2) REG/P-F/AUD.

Introduces the student to basic techniques of sketching and use of various media.

0101 (00897) Escobal, L. *MW* 7:00pm-10:00pm (ARC 1103)

ARCH343 Drawing II: Line Drawing
(3) REG/P-F/AUD.

Prerequisite: ARCH 400 or permission of department. For ARCH majors only. Basic free hand line drawing for architectural perception and design.

0101 (00909) Escobal, L. *TuTh* 7:00pm-10:20pm (ARC 1101)

ARCH428 Selected Topics in Architectural History *(PermReq)*
(1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number. Majors only. Contact L. Vann for information.

ARCH428G Selected Topics in Architectural History: Great Cities
(3) REG/P-F/AUD.

0101 (00939) Dupuy, K. *TuTh* 7:00pm-10:20pm (ARC 1123)

ARCH429 Independent Studies in Architectural History *(PermReq)*
(1-4) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number. Majors only. Contact L. Vann for information.

ARCH470 Computer Applications in Architecture *(PermReq)*
(3) REG.

Prerequisite: ARCH 400 or permission of department. Introduction to computer programming and utilization, with emphasis on architectural applications.

0101 (00968) Bevil, C. *MW* 7:00pm-10:20pm (ARC 1123)

ARCH479 Independent Studies in Architecture
(1-4) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ARCH628 Selected Topics in Architectural History: Architectural History *(PermReq)*
(1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number. Majors only. Contact L. Vann for information.

ARCH629 Independent Studies in Architectural History *(PermReq)*
(1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number. Majors only. Contact L. Vann for information.

ARCH678 Selected Topics in Architecture
(3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

AREC Agricultural and Resource Economics

(AGRICULTURE AND NATURAL RESOURCES)

AREC386 Experiential Learning *(PermReq)*
(3-6) REG/P-F.

Individual instruction course: contact department or instructor to obtain section number. *Prerequisite: permission of department.* 56 semester hours.

AREC399 Special Problems
(1-2) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

AREC699 Special Problems in Agricultural and Resource Economics
(1-2) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

AREC799 Master's Thesis Research
(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

AREC899 Doctoral Dissertation Research
(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

ARHU Arts and Humanities

(ARTS AND HUMANITIES)

ARHU386 Experiential Learning *(PermReq)*
(3-6) REG/P-F.

Prerequisite: permission of department. 56 semester hours.
0101 (01350) Best, D. Time and room to be arranged

ARTH Art History & Archaeology

(ARTS AND HUMANITIES)

ARTH100 Introduction to Art
(3) REG/P-F/AUD.

CORE: History or Theory of Arts (HA) No credit toward the major can be received for this course. Major approaches to understanding the visual arts, and includes analysis of techniques, subject matter, and form. Painting, sculpture, architecture, and the graphic arts.

0101 (01450) Withers, J. *MtuWTh* 12:30pm-1:50pm (ASY 3215)
F 12:30pm-1:50pm (ASY 3215) Dis

ARTH200 Art of the Western World to 1300
(3) REG/P-F/AUD.

CORE: History or Theory of Arts (HA) Painting, sculpture, and architecture from prehistoric times to the Renaissance.

0101 (01460) STAFF *MtuWTh* 11:00am-12:20pm (ASY 3215)
F 11:00am-12:20pm (ASY 3215) Dis

ARTH290 Art of Asia
(3) REG/P-F/AUD.

CORE: History or Theory of Arts (HA) DIVERSITY South and East Asian art from prehistory through the mid-nineteenth century.

0101 (01481) Kito, S. *MtuWTh* 9:30am-10:50am (ASY 3215)
F 9:30am-10:50am (ASY 3215) Dis

ARTH351 Twentieth-Century Art from 1945
(3) REG/P-F/AUD.

Formerly ARTH 456. Painting, sculpture and architecture in Europe and America from 1945 to the present.

0101 (01492) Withers, J. *MtuWThF* 2:00pm-3:20pm (ASY 3215)

ARTH386 Experiential Learning *(PermReq)*
(3-6) REG/P-F.

Individual instruction course: contact department or instructor to obtain section number. *Prerequisite: permission of department.* 56 semester hours.

ARTH498 Directed Studies in Art History I *(PermReq)*
(2-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ARTH499 Honors Thesis *(PermReq)*
(2-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ARTH699 Special Topics in Art History
(3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ARTH799 Master's Thesis Research
(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

ARTH899 Doctoral Dissertation Research
(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

ARTT Art Studio

(ARTS AND HUMANITIES)

ARTT100 Two Dimensional Art Fundamentals
(3) REG/P-F/AUD.

Credit will be granted for only one of the following: ARTT 100, ARTS 100, DESN 101, or APDS 101. *Formerly ARTS 100.* Principles and elements of pictorial space examined through the manipulation and organization of various materials.

0101 (01563) Craig, P. *MtuWTh* 9:00am-11:30am (ASY 2314) Lab

ARTT110 Elements of Drawing I
(3) REG/P-F/AUD.

Formerly ARTS 110. Media and related techniques to depict still-life, figure and nature.

0101 (01574) STAFF *MtuWTh* 9:30am-12:00pm (ASY 2317) Lab

ARTT150 Introduction to Art Theory
(3) REG/P-F/AUD.

CORE: History or Theory of Arts (HA) Examination of contemporary art; review of global, philosophic and critical positions by the examination of works of art.

0101 (01585) Klank, R. Meets 06/01/99-06/18/99 *MtuWTh* 7:00pm-10:20pm (ASY 2309)

ARTT200 Three Dimensional Art Fundamentals
(3) REG/P-F/AUD.

Prerequisite: ARTT 100. Credit will be granted for only one of the following: ARTT 200, ARTS 200, DESN 102, or APDS 102. *Formerly ARTS 200.* Three-dimensional form and space examined through the manipulation and organization of various materials.

0101 (01596) Hardy, E. *MtuWTh* 10:00am-12:30pm (ASY 1311)

ARTT208C Intermediate Special Topics in Art: Special Topics Studio/Color
(3) REG/P-F/AUD.

0101 (01606) Craig, P. *MtuWTh* 9:00am-11:30am (ASY 2314)

ARTT210 Elements of Drawing II
(3) REG/P-F/AUD.

Prerequisite: ARTT 110. Formerly ARTS 210. Continuation of ARTT 110 with additional emphasis on pictorial space.

0101 (01616) STAFF *MtuWTh* 9:30am-12:00pm (ASY 2321) Lab

ARTT320 Elements of Painting
(3) REG/P-F/AUD.

Prerequisite: ARTT 210. Formerly ARTS 320. Basic tools and language of painting. Oil and/or water-based paints. Section 0101 focuses on acrylic painting.

0101 (01627) Craig, P. *MtuWTh* 12:00pm-2:30pm (ASY 3322) Lab

ARTT320B Elements of Painting
(3) REG/P-F/AUD.

Prerequisite: ARTT 210. Formerly ARTS 320. Focus on watercolor.

0101 (01638) Klank, R. Meets 06/01/99-06/18/99 *MtuWTh* 1:00pm-6:00pm (ASY 2317)

ARTT333 Elements of Sculpture: Wood and Mixed Media
(3) REG/P-F/AUD.

Prerequisites: ARTT 200 and ARTT 210. Basic sculptural techniques and processes using wood and mixed media.

0101 (01648) Hardy, E. *MtuWTh* 1:00pm-3:30pm (ASY 1311)

ARTT341 Elements of Printmaking: Woodcut and Relief
(3) REG/P-F/AUD.

Prerequisite: ARTT 210. Formerly ARTS 341. Basic techniques and processes related to woodcuts, linocuts and other relief media.

0101 (01658) Blazina, J. *MtuWTh* 9:00am-11:30am (ASY 1317)

ARTT353 Elements of Photography
(3) REG/P-F/AUD.

Prerequisites: ARTT 100 and ARTT 110 or permission of department. Introduction to black and white photography. Basic technical and aesthetic vocabulary, camera mechanics and darkroom techniques. Introduction to the photographic message and meaning in both fine art and design context.

0101 (01678) Troler, B. *MtuWTh* 1:00pm-3:30pm (MWH 0401)

ARTT354 Elements of Computer Graphics
(3) REG/P-F/AUD.

Prerequisites: (ARTT 100 and ARTT 110) or permission of department. Introduction to computer graphics, imaging, illustration and mixed media.

0101 (01689) Rotopole, N. *MtuWTh* 12:30pm-2:00pm (ASY 3311E) Lab

ART1418 Drawing
(3) REG/P-F/AUD.
0101 (01699) STAFF MtuWTh 9:30am-12:00pm
(ASY 2317) Lab

ART1418B Drawing: Focus on Watercolor Wash
(3) REG/P-F/AUD.
0101 (01710) Klank, R Meets 06/01/99-06/18/99 MtuWThF 1:00pm-6:00pm
(ASY 2317)

ART428 Painting
(3) REG/P-F/AUD.
Section 0101 will focus on acrylic paint.
0101 (01720) Craig, P MtuWTh 12:00pm-2:30pm
(ASY 3322) Lab

ART428A Painting: Water Color
(3) REG/P-F/AUD.
0101 (01731) Klank, R Meets 06/01/99-06/18/99 MtuWTh 1:00pm-6:00pm
(ASY 2317)

ART438D Sculpture: Advanced Sculpture (PermReq)
(3) REG/P-F/AUD.
0101 (01741) Hardy, E. MtuWTh 1:00pm-3:30pm
(ASY 1311) Lab
Prerequisites: ART 333 and permission of instructor.

ART448C Printmaking: Advanced Woodcut and Relief
(3) REG/P-F/AUD.
0101 (01761) Blazina, J. MtuWTh 9:00am-11:30am
(ASY 1317)

ART468B Seminar on the Interrelationship between Art and Art Theory: Issues in Contemporary Art
(3) REG/P-F/AUD.
0101 (01771) Klank, R. Meets 06/01/99-06/18/99 MtuWTh 7:00pm-10:20pm
(ASY 2314)

ART489M Advanced Special Topics in Art: Museum Exhibition Installation (PermReq)
(3) REG/P-F/AUD.
0101 (01791) Werth, K. Meets 06/07/99-06/24/99 MtuWTh 12:00pm-5:00pm
(Anonaged)

ART498 Directed Studies in Studio Art (PermReq)
(2-3) REG/P-F/AUD.
Individual instruction course: contact department or instructor to obtain section number.

ASTR Astronomy

(COMPUTER, MATHEMATICAL AND PHYSICAL SCIENCES)

ASTR100 Introduction to Astronomy
(3) REG/P-F/AUD.
CORE: Physical Science (PS) Credit for ASTR 100 cannot be obtained after, or simultaneously with, receiving credit for any astronomy course numbered 250 or higher. Credit will be granted for only one of the following: ASTR 100 or ASTR 101 or ASTR 120. An elementary course in descriptive astronomy, especially appropriate for non-science students. Sun, moon, planets, stars and nebulae, galaxies, evolution. CORE Physical Science Laboratory (PL) Course only when taken concurrently with ASTR 111. CORE Physical Science Non-Laboratory (PS) Course when taken alone.

0101 (01852) STAFF MtuWThF 9:30am-10:50am
(SS 2400)

ASTR699 Special Problems in Advanced Astronomy
(1-6) REG/AUD.
Individual instruction course: contact department or instructor to obtain section number.

ASTR799 Master's Thesis Research
(1-6) REG.
Individual instruction course: contact department or instructor to obtain section number.

ASTR899 Doctoral Dissertation Research
(1-8) REG.
Individual instruction course: contact department or instructor to obtain section number.

BCHM Biochemistry

(LIFE SCIENCES)

BCHM261 Elements of Biochemistry
(3) REG/P-F/AUD.
Prerequisite: CHEM 104 or CHEM 233 or CHEM 235. Not open to students who have completed BCHM 461. For undergraduate students who desire a one-semester biochemistry course rather than a two-semester sequence. Basic chemistry and metabolism of most molecules of biological importance.

0101 (02030) STAFF MtuWThF 4:00pm-5:20pm
(CHN 1402)

BCHM461 Biochemistry I
(3) REG/P-F/AUD.
Prerequisite: CHEM 243 or CHEM 247. A comprehensive introduction to general biochemistry. The chemistry and metabolism of carbohydrates, lipids, nucleic acids, and proteins.

0101 (02040) STAFF MtuWThF 9:30am-10:50am
(CHN 1407)

BCHM699 Special Problems in Biochemistry
(1-6) REG/AUD.
Individual instruction course: contact department or instructor to obtain section number.

BCHM799 Master's Thesis Research
(1-6) REG.
Individual instruction course: contact department or instructor to obtain section number.

BCHM899 Doctoral Dissertation Research
(1-8) REG.
Individual instruction course: contact department or instructor to obtain section number.

BIOL Biological Sciences

(LIFE SCIENCES)

BIOL105 Principles of Biology I
(4) REG/P-F/AUD.
CORE: Life Science Lab (LL) Prerequisite: placement in MATH 110 or higher. For science majors. Credit will be granted for only one of the following: BIOL 101 or BIOL 105. Basic principles of biology with special emphasis on cellular and molecular biology.

0101 (02132) DeBoer, R MtuWThF 11:00am-12:20pm
(PLS 1140)
TuTh 8:00am-11:00am
(HIP 1236) Lab

0102 (02133) DeBoer, R MtuWThF 11:00am-12:20pm
(PLS 1140)
TuTh 8:00am-11:00am
(HIP 1236) Lab

0103 (02134) DeBoer, R MtuWThF 11:00am-12:20pm
(PLS 1140)
TuTh 8:00am-11:00am
(Anonaged) Lab

0105 (02136) DeBoer, R MtuWThF 11:00am-12:20pm
(PLS 1140)
TuTh 1:00pm-4:00pm
(HIP 1235) Lab
Lab Fee \$40.00.

BIOL222 Principles of Genetics
(4) REG/P-F/AUD.
Prerequisites: BIOL 105, one year college chemistry. Credit will be granted for only one of the following: ZOO1 213, HORT 274, or ANSC 201. Principles and mechanisms of heredity and gene expression. Considers plant, animal, and microbial organisms.

0181 (02170) STAFF MW 6:00pm-9:00pm
(SYM 0200)
TuTh 6:00pm-8:00pm
(PLS 1119) Dis

BIOL289 Off-Campus Internship
(1-3) REG.
0101 (02183) STAFF Time and room to be arranged

This course provides credit for off-campus research internships. This credit counts as elective toward graduation, but does not satisfy Biological Sciences degree requirements (information about research credit that does count toward Biological Sciences, contact the Biological Sciences Program, Room 1213 Symons Hall). The off-campus internship credit requires that a contract form be filed with the Science Outreach Office, Room 0216 Symons Hall, prior to the internship. The contract must be finalized and signed by the research supervisor at the end of the semester before credit will be awarded.

BIOL488 Topics in Environmental Biology for Secondary and Middle School Teachers
(PermReq)
(8) REG/P-F/AUD.
0101 (02193) Kent, B Meets 06/21/99-07/23/99 MtuWThF 9:00am-4:00pm
(ZOP 2245)
MtuWThF 9:00am-4:00pm
(PLS 1181) Lab

BIOL489A Topics in Biology for Secondary and Middle School Teachers
(1-8) REG/P-F/AUD.
0101 (02203) Kent, B Time and room to be arranged

BMGT Business and Management

(BUSINESS AND MANAGEMENT)

BMGT110 Introduction to Business and Management
(8) REG/P-F/AUD.
Not open to BMGT students who have completed 56 or more credit hours. All others may take it anytime. A survey of the field of business, including its environment, organization, overall and functional management, and current issues and developments.

0101 (02253) STAFF MW 6:40pm-10:00pm
(VMH 1311)

BMGT201 Introduction to Business Computing
(3) REG/P-F/AUD.
Sophomore standing. For BMGT majors only. Not open to students who have completed BMGT 301 prior to Fall 1997. Basic literacy course using common business computer-based applications. Considers the role of information technology in the modern workplace, as well as the use of computing applications in problem solving.

0101 (02263) Chares, M. TuTh 3:00pm-6:20pm
(VMH 1311)
0102 (02264) Chares, M. TuTh 6:40pm-10:00pm
(VMH 1311)

BMGT220 Principles of Accounting I
(3) REG.
Sophomore standing. Basic theory and techniques of contemporary financial accounting. Includes the accounting cycle and the preparation of financial statements for single owner and partnership forms of business organizations operating as service companies or merchandisers.

0101 (02275) Loeb, M. MtuWTh 12:30pm-2:10pm
(VMH 1303)

0102 (02276) Loeb, M. TuTh 6:40pm-10:00pm
(VMH 1303)

BMGT221 Principles of Accounting II
(3) REG.
Prerequisite: BMGT 220. Basic theory and techniques of accounting for managerial decision making. Involves the introduction of the corporation and manufacturing operations. Includes cost-volume-profit analysis and capital budgeting. Introduces the topics of income taxation and international accounting.

0101 (02288) Itoy, C. MtuWThF 9:30am-10:50am
(VMH 1303)
0102 (02289) Leung, K. MW 6:40pm-10:00pm
(VMH 1303)

BMGT230 Business Statistics
(3) REG.
Prerequisite: MATH 220. Not open to students who have completed BMGT 231, ENEE 324, or STAT 400. Credit will be granted for only one of the following: AREC 494, BIOM 301, BMGT 230, CNEC 400, ECON 321, FDMS 451, GEOS 305, GVPF 422, PSYC 200, SQCY 201, URSP 301, or TEXT 400. Introductory course in probabilistic and statistical concepts including descriptive statistics, set-theoretic development of probability, the properties of discrete and continuous random variables, sampling theory, estimation, hypothesis testing, regression, decision theory and the application of these concepts to problem solving in business and management. This course does not meet requirements for management science and statistics majors.

0101 (02301) STAFF TuTh 2:00pm-5:20pm
(TYO 1118)
0102 (02302) STAFF TuTh 6:40pm-10:00pm
(TYO 1118)

BMGT321 Statistical Models For Business
(3) REG.
Prerequisite: MATH 141 or permission of department. Required for management science statistics and decision and information sciences majors. Credit will be granted for only one of the following: BMGT 231, ENEE 324, or STAT 400. An introductory course in statistical concepts including probability from a naive set theory approach, random variables and their properties, and the probability distributions of selected discrete and continuous random variables. The concepts of sampling, sampling distributions, and the application of these concepts to estimation and hypothesis testing are included as are brief surveys of the regression and anova models.

0101 (02314) Widhalm, W TuTh 2:00pm-5:20pm
(VMH 1207)

BMGT302 Business Computer Application Programming
(3) REG.
Prerequisite: BMGT 201 or CMSC 102 or CMSC 103 or permission of department. Not open to computer science students. For BMGT majors only. Considers characteristics of business data programming and common software development processes and practices. Covers the designing, writing, documenting, and testing of an efficient, structured program in visual basic.

0101 (02324) STAFF TuTh 3:00pm-6:20pm
(VMH 1206)

BMGT310 Intermediate Accounting I
(3) REG.
Prerequisite: BMGT 221. Comprehensive analysis of financial accounting topics related to financial statement preparation and external reporting.

0101 (02335) Leung, K. MtuWThF 11:00am-12:20pm
(VMH 1207)
0102 (02336) Kim, D. TuTh 6:40pm-10:00pm
(VMH 1207)

BMGT312 Intermediate Accounting II
(3) REG.
Prerequisite: BMGT 310. Continuation of BMGT 310.

0101 (02347) Nicholson, B. MW 6:40pm-10:00pm
(TYO 2111)

BMG321 Cost Accounting (3) REG

Prerequisite: BMGT 221. A study of the basic concepts of product costing and cost analysis for management planning and control. Emphasis is placed on the role of the accountant in organizational management, analysis of cost behavior, standard cost, budgeting, responsibility, accounting and relevant costs for decision making.

0101 (02358) Bedfordling, F. MW 3:00pm-6:20pm (VNH 1202)

BMG323 Income Tax Accounting (3) REG

Prerequisite: BMGT 221. Introduction to federal income taxation of individuals. Examination of tax laws by use of illustrative examples and problems.

0101 (02369) Pfeifer, G. MW 3:00pm-6:20pm (VNH 1303)
0102 (02370) Staff TuTh 2:00pm-5:20pm (VNH 1202)

BMG332 Operations Research For Management Decisions (3) REG

Prerequisite: BMGT 230. Surveys the philosophy, techniques, and applications of operations research to managerial decision making. The course is designed primarily for students not majoring in management science or statistics. Techniques covered include linear programming, transportation and assignment models, Markov processes, inventory and queueing models. Emphasis is placed on formulating and solving decision problems in the functional areas of management.

0101 (02381) Staff MW 2:00pm-5:20pm (VNH 1314)

BMG340 Business Finance (3) REG

Prerequisites: BMGT 221 and (BMGT 230 or BMGT 231). The principles and practices involved in the organization, financing, and rehabilitation of business enterprises; the various types of securities and their use in raising funds; appraising income, risk, and control; intercorporate relations; and new developments. Emphasis on solution of problems of financial policy faced by management.

0101 (02391) Staff MW 6:40pm-10:00pm (TYD 2102)
0102 (02392) Schreck, L. TuTh 6:40pm-10:00pm (TYD 2102)

BMG343 Investments (3) REG

Prerequisite: BMGT 340. An introduction to financial investments. Topics include securities and securities markets; investment risks, returns, and constraints; portfolio policies; and institutional investment policies.

0101 (02404) Hosiem, J. M TuWTh 11:00am-12:40pm (VNH 1202)

BMG350 Marketing Principles and Organization (3) REG

Prerequisite: ECON 200 or ECON 205. An introduction to the concepts and principles of marketing, including the marketing of service and nonprofit organizations. Provides an overview of all the concepts in marketing, including relationship marketing, product development, pricing, promotion, marketing research, consumer behavior, international marketing, distribution, and internal marketing to employees.

0101 (02414) Staff M TuWTh 12:30pm-2:10pm (VNH 1311)
0102 (02415) D'Sa, D. TuTh 6:40pm-10:00pm (TYD 1108)

BMG354 Promotion Management (3) REG

Prerequisite: BMGT 350. Marketing communications theory with an emphasis on all elements of the promotion mix, including advertising, sales promotion, direct marketing, public relations, and personal selling. Concepts applied through class exercises, team project, presentation, and discussions.

0101 (02427) Yeagle, M. TuTh 6:30pm-9:50pm (TYD 1101)

BMG360 Human Resource Management (3) REG

The basic course in human resource management includes manpower planning, recruitment, selection, development, compensation, and appraisal of employees. Explores the impact of scientific management and unionism on these functions.

0101 (02448) Staff MW 3:00pm-6:20pm (VNH 1206)

BMG362 Labor Relations (3) REG

A study of the development and methods of organized groups in industry with reference to the settlement of labor disputes. An economic and legal analysis of labor union and employer association activities, arbitration, mediation, and conciliation; collective bargaining, trade agreements, strikes, boycotts, lockouts, company unions, employee representation, and injunctions.

0101 (02459) Staff M TuWTh 11:00am-12:20pm (VNH 1303)

BMG364 Management and Organization Theory (3) REG

The development of management and organization theory, nature of the management process and function and its future development. The role of the manager as an organizer and director, the communication process, goals and responsibilities.

0101 (02469) Staff M TuWTh 9:30am-10:50am (VNH 1207)
0102 (02470) Staff MW 3:00pm-6:20pm (VNH 1311)
0103 (02471) Staff MW 6:40pm-10:00pm (VNH 1307)

BMG372 Introduction to Logistics Management (3) REG

The study of logistic functions of business involved in the movement and storage of supplies, work-in-progress and finished goods. The models between cost and service and the purchase and supply of raw materials; the warehousing and control of inventory; industrial packaging; materials handling within warehouses; and the distribution of finished goods to customers required to minimize costs, maximize profits or increase customer service levels.

0101 (02493) Evers, P. M TuWTh 9:30am-10:50am (VNH 1314)

BMG373 Logistics and Transportation Internship (PermReq) (3) REG

Prerequisites: BMGT 370 and BMGT 372 (one of these courses may be taken as a corequisite) and permission of department. Involves supervised work experience in logistics and/or transportation. Students will be expected to relate course material to work experience in an analysis of a firm's operations.

0101 (02503) Kriemeyer, A. Time and room to be arranged

BMG380 Business Law I (3) REG

Legal aspects of business relationships. Examination of torts and business contracts, contracts and agency. The law of personal property and business relationships. Survey of public policy issues.

0101 (02513) Ostas, D. TuWTh 11:00am-12:40pm (VNH 1206)
0102 (02514) Ostas, D. TuTh 6:40pm-10:00pm (TYD 2109)

BMG381 Business Law II (3) REG

Prerequisite: BMGT 380 or permission of department. The Uniform Commercial Code, including sales, commercial paper, secured transactions, bulk sales and documents of title. The law of partnerships and corporations. Reorganization and liquidation under the bankruptcy laws. The law of real property, landlord and tenant relationships and decedent's estates.

0101 (02526) McClanahan, W. M TuWTh 9:30am-10:50am (VNH 1206)

BMG398 Individual Study in Business and Management (PermReq) (1-3) REG

Individual instruction course contact department or instructor to obtain section number.

BMG411 Ethics and Professionalism in Accounting (3) REG

Prerequisite: BMGT 311. For accounting majors only. Senior standing. Analysis and discussion of issues relating to ethics and professionalism in accounting.

0101 (02599) Loeb, S. MW 5:30pm-8:50pm (VNH 1207)

BMG422 Auditing Theory and Practice (3) REG

Prerequisite: BMGT 311. A study of the independent accountant's audit function; generally accepted auditing standards, compliance and substantive tests, and report forms and opinions.

0101 (02589) Pfeiffer, G. MW 6:40pm-10:00pm (TYD 2109)

BMG424 Advanced Accounting (3) REG

Prerequisite: BMGT 311. Advanced accounting theory applied to specialized topics and current problems. Emphasis on consolidated statements and partnership accounting.

0101 (02600) Hardy, K. MW 6:40pm-10:00pm (TYD 1118)

BMG434 Introduction to Optimization Theory (3) REG

Prerequisite: MATH 220 or permission of department. Primarily for students majoring in management science and statistics. Linear programming, postoptimality analysis, network algorithms, dynamic programming, nonlinear programming and single variable minimization.

0101 (02610) Goss, S. MW 2:00pm-5:20pm (VNH 1207)

BMG443 Security Analysis and Valuation (3) REG

Prerequisite: BMGT 343. Study and application of the concepts, methods, models, and empirical findings in the analysis, valuation, and selection of securities, especially common stock.

0101 (02640) Hosiem, J. M TuWTh 2:00pm-3:40pm (VNH 1203)

BMG446 International Finance (3) REG

Prerequisite: BMGT 340. Financial management from the perspective of the multinational corporation. Topics covered include the organization and functions of foreign exchange and international capital markets; international capital budgeting; financing foreign trade and designing a global financing strategy. Emphasis of the course is on how to manage exchange and political risks while maximizing benefits from global opportunity sets faced by the firm.

0101 (02660) Dubas, A. TuTh 6:40pm-10:00pm (VNH 1206)

BMG451 Consumer Analysis (3) REG

Prerequisite: BMGT 350. Recommended: PSYC 100 and PSYC 221. Not open to students who have completed CNEC 437. Credit will be granted for only one of the following: BMGT 451 or CNEC 437. Identifying buyer behavior concepts relevant to a specific marketing problem so that appropriate marketing decisions can be made. Conceptual frameworks are drawn from psychology, sociology, economics, and other social sciences to aid in understanding the behavior of ultimate and industrial buyers.

0101 (02680) Tuel, J. MW 6:30pm-9:50pm (VNH 1206)

BMG452 Marketing Research Methods (3) REG

Prerequisites: BMGT 230 and BMGT 451. Formerly BMGT 450. Focuses on online marketing decision making through exploratory, descriptive, and causal research. Develops student skills in evaluating and writing market research proposals, interpreting and analyzing subsequent reports, and appraising their usefulness to managers; designing studies including selection of data collection method, development of data collection instrument, sample design, collection and analysis of data, and reporting the results.

0101 (02690) Chuchirokan, N. M TuWTh 9:30am-11:00am (VNH 1203)

BMG456 Advertising (3) REG

Prerequisite: BMGT 350. Develops skills in constructing effective advertising. Examines how to formulate an advertising message, which creative tactics to use in communicating that message and which media uses to ensure that the target receives the message. In addition, the role of advertising agencies, measuring advertising effectiveness, and regulatory and ethical issues in advertising will be discussed.

0101 (02710) Shenin, O. TuTh 8:30am-11:50am (VNH 1311)

BMG457 Marketing Policies and Strategies (3) REG

CORE: Capstone (CS) Prerequisite: BMGT 451. *Corequisite:* BMGT 452. This capstone course ties together concepts from all the various marketing courses using the fundamentals of strategic market planning as the framework. Application of these principles is accomplished by analyzing and discussing cases and by playing a marketing strategy computer simulation game. Analysis of current business articles to understand the link between theory and real-world problem solving.

0101 (02720) Orseth, A. MW 9:00am-12:20pm (VNH 1311)

BMG464 Organizational Behavior (3) REG

Prerequisite: BMGT 364. An examination of behavior and theory concerning the forces which contribute to the research of organizational members. Topics covered include: work group behavior, supervisory behavior, intergroup relations, employee goals and attitudes, communication problems, organizational change, and organizational goals and design.

0101 (02731) Staff MW 6:40pm-10:00pm (VNH 1203)

BMG476 Applied Computer Models in Logistics and Transportation Management (3) REG/P/F/AUD

Prerequisites: BMGT 301 and BMGT 370 and BMGT 372. Introduction to the expanding base of computer software in the logistics and transportation fields. Applications include: inventory control, location decisions, and vehicle routing.

0101 (02741) Dong, Y. TuTh 6:30pm-9:50pm (VNH 1203)

BMG495 Business Policies (3) REG

CORE: Capstone (CS) Prerequisites: BMGT 340; and BMGT 350; and BMGT 364. A case study course where students apply what they have learned of general management principles and their specialized functional applications to the overall management function in the enterprise. BMGT majors only. All others must have authorization.

0101 (02751) Staff M TuWTh 11:00am-12:20pm (VNH 1314)

0102 (02752) Staff M TuWTh 12:30pm-1:50pm (VNH 1314)

0103 (02753) Staff TuTh 3:00pm-6:20pm (VNH 1314)

BMG496 Business Ethics and Society (3) REG

Prerequisite: one course in BMGT, or permission of department. A study of the standards of business conduct, morals, values, and the role of business in society, with consideration of the sometimes conflicting interests of and claims on the firm and its objectives. Emphasizes a strategic approach by business to the management of its external environment.

0101 (02766) Shaffer, B. TuTh 6:40pm-10:00pm (VNH 1314)

BMG501 Business Functions (4) REG

Intensive review of marketing and finance functions in the business enterprise. Credit not applicable to graduate degrees.

0101 (02776) Staff MW 5:30pm-10:00pm (VNH 1314)

BMG611 Managerial Accounting

(1.5) REG/AUD.

Prerequisite: BMGT 610. Use of accounting data in corporate planning and control. Cost-volume-profit analysis, budgeting, pricing decisions and cost data, transfer pricing, activity-based management, performance measures, and standard costing

01BA (02796) Gordon, L. M 6:40pm-10:00pm (Arranged)

BMG615 Business Communications

(1.5) REG/AUD.

For BMGT majors only. Instruction and practical experience in written and oral business communications. Basics of structuring business documents and oral presentations. Fosters practice-based (rather than lecture- or case-discussion-based) learning.

01G1 (02806) STAFF M 6:40pm-10:00pm (Arranged)

01G2 (02807) STAFF Tu 6:40pm-10:00pm (Arranged)

01G3 (02808) STAFF W 6:40pm-10:00pm (Arranged)

BMG620 Strategic Information Systems

(1.5) REG/AUD.

For BMGT majors only. Use of information technology to achieve competitive advantage, efficient operations, and effective decision making. Analysis of functions of information technology and its impact on competitive strategy and organizational operations.

01G1 (02818) STAFF M 6:40pm-10:00pm (Arranged)

01G2 (02819) STAFF W 6:40pm-10:00pm (Arranged)

01G3 (02820) STAFF Th 6:40pm-10:00pm (Arranged)

BMG632 Decision Modeling and Analysis

(1.5) REG/AUD.

Prerequisite: BMGT 630. For BMGT majors only. Not open to students who have completed BMGT 631. Provides an understanding of the role that quantitative methods have in the making of business decisions. Topics include problem formulation and modeling, linear and integer programming and their application to business and industry, network models and related applications, and project and machine scheduling. PC-based software is used to solve and analyze problems.

01BA (02830) Bodin, L. W 6:40pm-10:00pm (Arranged)

BMG682 Business Law for Managers

(3) REG/AUD.

Prerequisite: permission of department. Survey of United States legal institutions and processes as well as substantive areas of the law that affect business. Examination of tort and contract law, the legal forms of business organization and legal liability and major regulatory laws that affect business.

01G1 (02873) Leete, B. TuTh 6:40pm-10:00pm (Arranged)

BMG690 Strategic Management

(3) REG.

For BMGT majors only or permission of department. Integrative strategic management focusing on strategy formulation and implementation in domestic and global settings. Industry and competitor analysis, industry and firm value chain, leadership, goal setting, organizational structure and culture. Case study approach to top management and organizational problems. Open to part-time MBA students with 4B credits completed.

01G1 (02883) Regar, R. MW 6:40pm-10:00pm (Arranged)

01G2 (02884) Regar, R. TuTh 6:40pm-10:00pm (Arranged)

BMG715 International Accounting: A Managerial Perspective

(3) REG/AUD.

Prerequisite: BMGT 611. Focuses on using accounting data for managerial planning and control on a global basis. The generic topics covered in the course include: foundations of a global accounting system; survey of international accounting standards and measures; and the impact of globalization on the use of managerial accounting data. Guest speakers will participate in the

course. Open to BBA, BMSB, BMJL, BMJM and LMBA majors with 30 credits completed.

01G1 (02894) Gordon, L. Time and room to be arranged

BMG720 Information Technology and Corporate Transformation

(3) REG/AUD.

Prerequisite: BMGT 620. The impact and the enabling role of information technologies (IT) in transforming business and work group and individual processes. Topics include: gaining competitive advantage through IT applications; identifying high pay-off IT applications, and leading the process of IT-induced change process.

0101 (02904) STAFF MW 6:40pm-10:00pm (VMH 1202)

BMG721 File Processing and Database Systems

(3) REG/AUD.

For BMGT majors only or permission of department. Concepts and techniques for structuring data in a secondary storage device. Experience in the use of these techniques. The basic data structures necessary for these techniques. Typical file processing applications Open to BBA, BMSB, BMJL, BMJM and LMBA students with 30 credits completed.

01G1 (02914) STAFF TuTh 6:40pm-10:00pm (Arranged)

BMG741 Advanced Financial Management

(3) REG/AUD.

Prerequisite: BMGT 640. Advanced theories and concepts underlying financial decision making in the firm. Case studies, model building and applications in financial theory and management.

01G1 (02944) Isberg, S. MW 6:40pm-10:00pm (Arranged)

BMG745 Financial Institutions Management

(3) REG/AUD.

Prerequisite: BMGT 640. The role of financial management in financial institutions. The economic role and regulation of financial institutions, analysis of risks and returns on financial assets and liabilities, and the structure of assets, liabilities and capital.

01G1 (02965) Rossi, C. TuTh 6:40pm-10:00pm (Arranged)

BMG752 Marketing Research Methods

(3) REG/AUD.

Prerequisites: BMGT 630; and BMGT 650. The process of acquiring, classifying and interpreting primary and secondary marketing data needed for intelligent, profitable marketing decisions. Evaluation of the appropriateness of alternative methodologies such as the inductive, deductive, survey, observational, and experimental. Recent developments in the systematic recording and use of internal and external data needed for marketing decisions.

01G1 (02985) Kanan, P. TuTh 6:40pm-10:00pm (Arranged)

BMG757 Marketing Strategy

(3) REG/AUD.

A capstone marketing course. Marketing strategies designed to manage products in selected market segments. Topics covered include: competitor analysis, buyer analysis, market segments, and product strengths and weaknesses; product related issues are identified and marketing strategies developed, assessed and implemented

01G1 (03015) Bihal, G. MW 6:40pm-10:00pm (Arranged)

BMG764 Executive Power and Negotiation

(3) REG/AUD.

Negotiations knowledge and skills through a series of readings (the use of power during bargaining exchanges, principles of effective listening, and bargaining strategies and tactics) and through the opportunity to practice negotiating.

01G1 (03025) Schaeff, E. TuTh 6:40pm-10:00pm (Arranged)

BMG798I Special Topics in Business and Management: Industry and Competitive Analysis

(3) REG/AUD.

01G1 (03085) STAFF MW 6:40pm-10:00pm (Arranged)

BMG799 Master's Thesis Research

(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

BMG782B Independent Study in Business and Management

(PermReq) (1-9) REG.

Individual instruction course: contact department or instructor to obtain section number. By permission only of the Graduate Director.

BMG789 Doctoral Dissertation Research

(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number. Contact Graduate Program Director to make arrangements.

BSOS Behavioral and Social Sciences

(BEHAVIORAL AND SOCIAL SCIENCES)

BSOS386 Experiential Learning (PermReq)

(3-6) REG/P/F.

Prerequisite: permission of department. 56 semester hours.

0101 (03162) Bardsley, K. Time and room to be arranged

0102 (03163) Remy, L. Time and room to be arranged

BSOS396 Fellowship Program in Political Leadership (PermReq)

(2-6) REG.

Individual instruction course: contact department or instructor to obtain section number. *Prerequisite: permission of department and acceptance of full-time fellowship program. Corequisite: BSOS 346, BSOS 356 or BSOS 366. Individual instruction course.*

BSOS399 Directed Study in Behavioral and Social Sciences (PermReq)

(3-6) REG.

0101 (03176) Remy, L. Time and room to be arranged

CCJS Criminology and Criminal Justice

(BEHAVIORAL AND SOCIAL SCIENCES)

CCJS100 Introduction to Criminal Justice

(3) REG/P/F/AUD.

CORE: Behavioral and Social Science (SB) *Formerly CIUS 100.* Introduction to the administration of criminal justice in a democratic society with emphasis on the theoretical and historical development of law enforcement. The principles of organization and administration for law enforcement, functions and specific activities; planning and research; public relations; personnel and training; inspection and control; direction, policy formulation.

0101 (03227) Gaston, A. M/WTh 9:00am-10:40am (LEF 2208)

CCJS105 Introduction to Criminology

(3) REG/P/F/AUD.

CORE: Behavioral and Social Science (SB) *Formerly CRIM 220.* Criminal behavior and the methods of its study; causation; typology of criminal acts and offenders; punishment, correction and incapacitation; prevention of crime.

0101 (03238) STAFF M/WTh 9:00am-10:40am (LEF 2166)

CCJS200 Statistics for Criminology and Criminal Justice

(3) REG/P/F/AUD.

Prerequisites: MATH 111 and (CCIS 100 or CCIS 105) or permission of department. Introduction to descriptive and inferential statistics, graphical techniques, and the computer analysis of criminology and criminal justice data. Basic procedures of hypothesis testing, correlation and regression analyses, and the analysis of continuous and binary dependent variables. Emphasis upon the examination of research problems and issues in criminology and criminal justice.

0101 (03249) STAFF M/WTh 9:00am-10:40am (TYD 1108)

CCJS234 Law of Criminal Investigation

(3) REG/P/F/AUD.

Prerequisite: CCIS 230. Formerly CIUS 234. General principles and theories of criminal procedure. Due process. Arrest, search and seizure. Recent developments. Study and evolution of evidence and proof.

0101 (03270) Zumbun, A. MW 1:15pm-4:15pm (LEF 1221)
Time and room to be arranged Os

CCJS300 Criminological and Criminal Justice Research Methods

(3) REG/P/F/AUD.

Prerequisites: CCIS 100 and CCIS 105, and one of the following: CCIS 200 or SOCY 201 or PSYC 200 or ECON 371 or BMGT 330. Formerly CIUS 300. Introduction to the formulation of research questions covering crime and justice, research design, data collection, and interpretation and reporting in criminological and justice-system settings.

0101 (03281) Brooks, L. M/WTh 9:00am-10:40am (TYD 1118)

CCJS320 Introduction to Criminalistics

(3) REG/P/F/AUD.

Prerequisite: CCIS 234. Formerly CIUS 320. An introduction to modern methods used in the detection, investigation and solution of crimes. Practical analysis of evidence in a criminal investigation laboratory, including photography, fingerprints and other impressions, ballistics, glass, hair, handwriting and document examination, drug analysis, and lie detection.

0101 (03292) Mauriello, L. MW 6:00pm-9:00pm (LEF 1201)

Time and room to be arranged Os

CCJS331 Contemporary Legal Policy Issues

(3) REG/P/F/AUD.

Prerequisites: CCIS 230; and CCIS 234 or equivalent. Formerly CIUS 330. In-depth examination of selected topics. Criminal responsibility. Socio-legal policy alternatives with regard to deviance. Law enforcement procedures for civil law and similar legal problems. Admissibility of evidence. Representation. Indigent's right to counsel.

0101 (03303) Zumbun, A. MW 10:00am-1:00pm (LEF 1221)

Time and room to be arranged Os

CCJS340 Concepts of Law Enforcement Administration

(3) REG/P/F/AUD.

Prerequisite: CCIS 100 or equivalent. Formerly CIUS 340. An introduction to concepts of organization and management as these relate to law enforcement. Principles of structure, process, policy and procedure, communication and authority, division of work and organizational controls. Human element in the organization. Informal interaction and bureaucracy.

0101 (03313) Brooks, L. M/WTh 11:00am-12:40pm (LEF 1201)

CCJS350 Juvenile Delinquency

(3) REG/P/F/AUD.

Prerequisite: CCIS 105. Formerly CRIM 450. Juvenile delinquency in relation to the general problem of crime; analysis of factors underlying juvenile delinquency, treatment and prevention, organization and social responsibility of law enforcement.

0101 (03323) STAFF M/WTh 2:00pm-3:40pm (LEF 2166)

SESSION I

CCS352 Drugs and Crime

(3) REG/P-F/AUD

Prerequisite: *CCJS 100*. Formerly *CCJS 352*. An analysis of the role of criminal justice in the control of drug use and abuse.

0101 (03333) Gaston, A. M TuWTh 11:00am-12:40pm
(EF 2208)

CCS359 Field Training in Criminology and Corrections (1-6) REG/P-F/AUD

Individual instructor course: contact department or instructor to obtain section number.

CCS386 Experiential Learning (PermReq) (3-6) REG/P-F

Individual instructor course: contact department or instructor to obtain section number. Prerequisite: permission of department. 56 semester hours.

CCS398 Law Enforcement Field Training (PermReq) (1-6) REG/P-F/AUD

Individual instructor course: contact department or instructor to obtain section number.

CCS399 Independent Study in Criminology and Criminal Justice (1-3) REG/P-F/AUD

Individual instructor course: contact department or instructor to obtain section number.

CCS451 Crime and Delinquency Prevention (3) REG/P-F/AUD

Prerequisites: *CCJS 105* or *CCJS 350* or permission of department; and *CCJS 300*. Formerly *CCRM 451*. Methods and programs in prevention of crime and delinquency.

0101 (03361) STAFF M TuWTh 11:00am-12:40pm
(EF 2208)

CCS699 Special Criminological Problems (1-3) REG/AUD

Individual instructor course: contact department or instructor to obtain section number.

CCS799 Master's Thesis Research (1-6) REG

Individual instructor course: contact department or instructor to obtain section number.

CCS899 Doctoral Dissertation Research (1-8) REG

Individual instructor course: contact department or instructor to obtain section number.

CHEM Chemistry

(LIFE SCIENCES)

CHEM103 General Chemistry I

(4) REG/P-F/AUD

CORE: Physical Science Lab (PL) Prerequisite: placement in *MATH 110* or higher. Recommended: placement in *MATH 115* or higher. Credit will be granted for only one of the following: *CHEM 102*, *CHEM 103*, *CHEM 105*, *CHEM 107*, *CHEM 111*, *CHEM 143*. The first semester of a chemistry sequence intended for students whose curricula require a year or more of chemistry. The nature and composition of matter, chemical calculations, elements and inorganic compounds. Lecture, discussion and laboratory meeting times will be arranged between 8:00am and 12:20pm Monday through Friday. The first class meeting will be lecture.

0131 (03436) STAFF M TuWTh 11:00am-12:20pm
(PHY 1410)

Time and room to be arranged Lab
M TuWTh 8:00am-10:50am
(CHM 0115) Dis

0132 (03437) STAFF M TuWTh 11:00am-12:20pm
(PHY 1410)

Time and room to be arranged Lab

M TuWTh 8:00am-10:50am
(CHM 0119) Dis

0133 (03438) STAFF M TuWTh 11:00am-12:20pm
(PHY 1410)

Time and room to be arranged Lab
M TuWTh 8:00am-10:50am
(CHM 0124) Dis

0138 (03442) STAFF Meets 06/01/99-08/20/99 Tu 6:30pm-10:30pm
(PHY 1412)

Th 6:30pm-10:30pm
(Arranged) Lab

0139 (03443) STAFF Meets 06/01/99-08/20/99 Tu 6:30pm-10:30pm
(PHY 1412)

Th 6:30pm-10:30pm
(Arranged) Lab

CHEM103M General Chemistry I (PermReq) (4) REG/P-F/AUD

CORE: Physical Science Lab (PL) Prerequisite: placement in *MATH 110* or higher. Recommended: placement in *MATH 115* or higher. Credit will be granted for only one of the following: *CHEM 102*, *CHEM 103*, *CHEM 105*, *CHEM 107*, *CHEM 111*, *CHEM 143*.

0131 (03455) STAFF M TuWTh 11:00am-12:20pm
(PHY 1410)

M TuWTh 9:30am-10:50am
(CHM 0115) Dis

0132 (03456) STAFF M TuWTh 11:00am-12:20pm
(PHY 1410)

M TuWTh 9:30am-10:50am
(CHM 0119) Dis

0133 (03457) STAFF M TuWTh 11:00am-12:20pm
(PHY 1410)

M TuWTh 9:30am-10:50am
(CHM 0124) Dis

Discussion meeting times will be 9:30 a.m. Monday through Friday. Prerequisite: *CHEM 103* taken at UMCP within twelve months of the semester in which *CHEM 103M* is taken. A student is eligible to take this course only if the lab scores received in *CHEM 103*, the last time it was taken, totaled at least 80 percent of the maximum possible total. These scores will count for part of the grade in *CHEM 103M*.

CHEM113 General Chemistry II

CORE: Physical Science Lab (PL) Prerequisite: *CHEM 103* or *CHEM 105*. Credit will be granted for only one of the following: *CHEM 113* or *CHEM 115*. Kinetics, homogeneous, heterogeneous, and ionic equilibria, oxidation-reduction, electrochemistry, chemistry of the elements. Lecture, discussion and laboratory meeting times will be arranged between 8:00am and 12:20pm Monday through Friday. The first class will be lecture.

0141 (03494) STAFF M TuWTh 11:00am-12:20pm
(CHM 1402)

Time and room to be arranged Lab
M TuWTh 8:00am-10:50am
(JMP 1109) Dis

0142 (03495) STAFF M TuWTh 11:00am-12:20pm
(CHM 1402)

Time and room to be arranged Lab
M TuWTh 8:00am-10:50am
(JMP 3104) Dis

0148 (03497) STAFF Meets 06/01/99-08/20/99 Tu 6:30pm-9:30pm
(PHY 1402)

Th 6:30pm-9:30pm
(Arranged) Lab

CHEM113M General Chemistry II (PermReq) (4) REG/P-F/AUD

CORE: Physical Science Lab (PL) Prerequisite: *CHEM 103* or *CHEM 105*. Credit will be granted for only one of the following: *CHEM 113* or *CHEM 115*.

0141 (03512) STAFF M TuWTh 11:00am-12:20pm
(CHM 1402)

M TuWTh 9:30am-10:50am
(JMP 1109) Dis

0142 (03513) STAFF M TuWTh 11:00am-12:20pm
(CHM 1402)

M TuWTh 9:30am-10:50am
(JMP 3104) Dis

0143 (03514) STAFF M TuWTh 11:00am-12:20pm
(CHM 1402)

M TuWTh 9:30am-10:50am
(JMP 1202) Dis

Discussion meeting times will be 9:30 a.m. Monday through Friday. Prerequisite: *CHEM 113* taken at UMCP within twelve months of the semester in which *CHEM 113M* is taken. A student is eligible to take this course only if the lab scores received in *CHEM 113*, the last time it was taken, totaled at least 80 percent of the maximum possible total. These scores will count for part of the grade in *CHEM 113M*.

CHEM233 Organic Chemistry I (4) REG/P-F/AUD

Prerequisite: *CHEM 113* or *CHEM 153*. Credit will be granted for only one of the following: *CHEM 104*, *CHEM 233*, *CHEM 255*. The chemistry of carbon: aliphatic compounds, aromatic compounds, stereochemistry, amines, halides, alcohols, esters, and spectroscopy. Lecture, discussion and laboratory meeting times will be arranged between 8:00am and 12:20pm Monday through Friday. The first class will be lecture.

0171 (03529) STAFF M TuWTh 11:00am-12:20pm
(CHM 1407)

Time and room to be arranged Lab
M TuWTh 8:00am-10:50am
(CHE 2118) Dis

0172 (03530) STAFF M TuWTh 11:00am-12:20pm
(CHM 1407)

Time and room to be arranged Lab
M TuWTh 8:00am-10:50am
(CHE 2120) Dis

0173 (03531) STAFF M TuWTh 11:00am-12:20pm
(CHM 1407)

Time and room to be arranged Lab
M TuWTh 8:00am-10:50am
(CHM 0127) Dis

0174 (03532) STAFF M TuWTh 11:00am-12:20pm
(CHM 1407)

Time and room to be arranged Lab
M TuWTh 8:00am-10:50am
(CHE 2145) Dis

CHEM233M Organic Chemistry I (PermReq) (4) REG/P-F/AUD

Prerequisite: *CHEM 113* or *CHEM 153*. Credit will be granted for only one of the following: *CHEM 104*, *CHEM 233*, *CHEM 255*. Discussion meeting times will be 9:30 am Monday through Friday. Prerequisite: *CHEM 233* taken at UMCP within twelve months of the semester in which *CHEM 233M* is taken. A student is eligible to take this course only if the lab scores received in *CHEM 233*, the last time it was taken, totaled at least 80 percent of the maximum possible total. These scores will count for part of the grade in *CHEM 233M*.

0171 (03547) STAFF M TuWTh 11:00am-12:20pm
(CHM 1407)

M TuWTh 9:30am-10:50am
(CHE 2118) Dis

0172 (03548) STAFF M TuWTh 11:00am-12:20pm
(CHM 1407)

M TuWTh 9:30am-10:50am
(CHE 2120) Dis

0173 (03549) STAFF M TuWTh 11:00am-12:20pm
(CHM 1407)

M TuWTh 9:30am-10:50am
(CHM 0127) Dis

0174 (03550) STAFF M TuWTh 11:00am-12:20pm
(CHM 1407)

M TuWTh 9:30am-10:50am
(CHE 2145) Dis

CHEM243 Organic Chemistry II (4) REG/P-F/AUD

Prerequisite: *CHEM 233* with a grade of C or better. Credit will be granted for only one of the following: *CHEM 243* or *CHEM 247*. A continuation of *CHEM 233* with emphasis on molecular structure, substitution reactions, carbonyl ions, aromaticity, synthetic processes, macromolecules. Lecture and laboratory meeting times will be arranged between 8:00am and 12:20pm Monday through Friday. The first class meeting will be lecture.

0181 (03564) STAFF M TuWTh 11:00am-12:20pm
(JMZ 0220)

Time and room to be arranged Lab
M TuWTh 8:00am-10:50am
(CLB 0109) Dis

0182 (03565) STAFF M TuWTh 11:00am-12:20pm
(JMZ 0220)

Time and room to be arranged Lab
M TuWTh 8:00am-10:50am
(PLS 1172) Dis

CHEM243M Organic Chemistry II (PermReq) (4) REG/P-F/AUD

Prerequisite: *CHEM 233* with a grade of C or better. Credit will be granted for only one of the following: *CHEM 243* or *CHEM 247*. Prerequisite: *CHEM 243* taken at UMCP within twelve months of the semester in which *CHEM 243M* is taken. A student is eligible to take this course only if the lab scores received in *CHEM 243*, the last time it was taken, totaled at least 80 percent of the maximum possible total. These scores will count for part of the grade in *CHEM 243M*.

0181 (03583) STAFF M TuWTh 11:00am-12:20pm
(JMZ 0220)

M TuWTh 9:30am-10:50am
(CLB 0109) Dis

0182 (03584) STAFF M TuWTh 11:00am-12:20pm
(JMZ 0220)

M TuWTh 9:30am-10:50am
(PLS 1172) Dis

CHEM398 Special Projects (PermReq) (2) REG/P-F/AUD

Individual instructor course: contact department or instructor to obtain section number.

CHEM399 Introduction to Chemical Research (PermReq) (1-3) REG/P-F/AUD

Individual instructor course: contact department or instructor to obtain section number. Research plans must be approved by Dr. Berkowitz before registration.

CHEM399X Introduction to Chemical Research: Practicum in Teaching Chemistry (PermReq) (2) REG/P-F/AUD

0101 (03608) Berkowitz, D. Time and room to be arranged

CHEM481 Physical Chemistry I (3) REG/P-F/AUD

Prerequisite: *CHEM 113* or *CHEM 153* or *CHEM 133*; and *MATH 141*; and *PHYS 142*. A course primarily for chemists and chemical engineers.

0101 (03618) STAFF Meets 06/01/99-07/23/99 M TuTh 8:00am-9:20am
(CHM 1402)

CHEM482 Physical Chemistry II (3) REG/P-F/AUD

Prerequisite: *CHEM 481*. A course primarily for chemists and chemical engineers.

0101 (03628) STAFF Meets 06/01/99-07/23/99 M TuTh 12:30pm-1:50pm
(CHM 1402)

CHEM699 Special Problems in Chemistry (1-6) REG/AUD

Individual instructor course: contact department or instructor to obtain section number.

CHEM799 Master's Thesis Research (1-6) REG

Individual instructor course: contact department or instructor to obtain section number.

CHEM899 Doctoral Dissertation Research (1-8) REG

Individual instructor course: contact department or instructor to obtain section number.

CHIN Chinese

(ARTS AND HUMANITIES)

CHIN101 Intensive Elementary Chinese I (PermReq) (6) REG/P-F/AUD

Non-majors admitted only after a placement interview. Introduction to speaking, reading, and writing Chinese with an emphasis on mastering the essentials of pronunciation, basic characters and structural patterns. Arrange for placement interview with Dr. Scott McGinnis.

0101 (03718) Lee, J. M/WThF 9:30am-12:20pm
(LMZ 1211)

CHIN213 Chinese Poetry into English: An Introduction (3) REG/P-F/AUD.

CORE Literature (HL) DIVERSITY Issues in the intercultural and interlingual interpretation of foreign literature through the study of Western translations of and scholarship on selected Chinese poets. No knowledge of Chinese required.

0101 (03748) Ton, D TuTh 6:00pm-9:20pm
(LMZ 0220)

CHIN499 Directed Study in Chinese (PermReq) (1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

CHPH Chemical Physics

(COMPUTER, MATHEMATICAL AND PHYSICAL SCIENCES)

CHPH799 Master's Thesis Research (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

CHPH899 Doctoral Dissertation Research (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

CLAS Classics

(ARTS AND HUMANITIES)

CLAS170 Greek and Roman Mythology (3) REG/P-F/AUD.

CORE Literature (HL) Taught in English, no prerequisite: cannot be taken for language credit. This course is particularly recommended for students planning to major in foreign languages, English, history, the fine arts, or journalism.

0101 (03863) Staley, G. M/WThF 11:00am-12:20pm
(MMH 1400)

CLAS470 Advanced Greek and Roman Mythology (3) REG/P-F/AUD.

Prerequisite: CLAS 170 or permission of department. Selected themes and characters of Greek and Roman myth. History of the study of myth and research methods in mythology.

0101 (03874) Staley, G. M/WThF 12:30pm-1:50pm
(MMH 3418)

CMLT Comparative Literature

(ARTS AND HUMANITIES)

CMLT270 Global Literature and Social Change (3) REG.

CORE Literature (HL) DIVERSITY Comparative study of literature through selected literary works from several non-Western cultures, viewed cross-culturally in light of particular social, political, and economic perspectives.

0101 (03934) Aund, B MW 6:00pm-9:15pm
(SQH 1101)

CMLT275 World Literature by Women (3) REG.

CORE Literature (HL) DIVERSITY Also offered as WMS1 275. Credit will be granted for only one of the following: CMLT 275 or WMS1 275. Comparative study of selected works by women writers of several countries, exploring points of intersection and divergence in women's literary representations.

0101 (03945) Shah, M TuTh 6:00pm-9:15pm
(SQH 2120)

CMLI386 Experiential Learning (PermReq) (3-6) REG/P-F.

Individual instruction course: contact department or instructor to obtain section number. **Prerequisite:** permission of department. 56 semester hours.

CMLI699 Independent Study (PermReq) (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

CMLI788 Practicum in Comparative Studies (PermReq) (1-6)-F.

Individual instruction course: contact department or instructor to obtain section number.

CMLI799 Master's Thesis Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

CMLI899 Doctoral Dissertation Research (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

CMSC Computer Science

(COMPUTER, MATHEMATICAL AND PHYSICAL SCIENCES)

CMSC106 Introduction to C Programming (4) REG/P-F/AUD.

Prerequisite: MATH 110. Not applicable to the major requirements in computer science. Credit will not be granted for CMSC 106 if students already have credit for either CMSC 113 or CMSC 114. Not open to students who have completed CMSC 113 or CMSC 114. Design and analysis of programs in C. An introduction to computing using structured programming concepts. CMPS and Computer Engineering majors will be given priority for registration until the first day of classes.

0101 (04096) STAFF
Meets 06/01/99-07/23/99

M/WThF 9:30am-10:50am
(CLB 0111)
W 9:30am-10:50am
(CLB 0111) Lab

0102 (04097) STAFF
Meets 06/01/99-07/23/99

M/WThF 9:30am-10:50am
(CLB 0111)
W 9:30am-10:50am
(SSS 2428) Lab

CMSC107 Introduction to the UNIX Operating System (3) REG/P-F/AUD.

Recommended: prior experience with computing. Effective use of UNIX tools for students of all disciplines. UNIX file system, shell programming, text editing, files, pipes, macro processing, data analysis, text processing; document maintenance.

0101 (04107) STAFF M/WThF 8:00am-9:20am
(CLB 0111)

CMSC150 Introduction to Discrete Structures (4) REG/P-F/AUD.

CORE Mathematics or Formal Reasoning (MS) Pre- or corequisite MATH 140. Formerly CMSC 250. Fundamental mathematical concepts related to computer science, including finite and infinite sets, relations, functions, and propositional logic. Introduction to other techniques, modeling and solving problems in computer science.

Individual instruction course: contact department or instructor to obtain section number.

0101 (04177) STAFF
Meets 06/01/99-07/23/99 M/WTh 11:00am-12:50pm
(SSS 2400)
F 11:00am-12:50pm
(SSS 2400) Dis

CMSC251 Algorithms (3) REG/P-F/AUD.

Prerequisites: CMSC 114 with a grade of C or better and CMSC 150 with a grade of C or better. A systematic study of the complexity of some elementary algorithms related to sorting, graphs and trees, and combinatorics. Algorithms are analyzed using mathematical techniques to solve recurrences and summations.

0101 (04127) STAFF M/WThF 9:30am-10:50am
(CLB 0102)

CMSC311 Computer Organization (PermReq) (3) REG/P-F/AUD.

Prerequisite: CMSC 214 with a grade of C or better. Introduction to assembly language. Design of digital logic circuits. Organization of central processors, including instruction sets, register transfer operations, control microprogramming, data representation, and arithmetic algorithms. Memory and input/output organization.

0101 (04137) STAFF M/WThF 11:00am-12:20pm
(CLB 0101)

CMSC386 Experiential Learning (PermReq) (3) REG/P-F.

Individual instruction course: contact department or instructor to obtain section number. **Prerequisite:** permission of department. 56 semester hours. Written permission of instructor must be obtained in advance on department form.

CMSC386C Experiential Learning (PermReq) (3-6) REG/P-F.

Prerequisite: permission of department. 56 semester hours.

0101 (04219) STAFF Time and room to be arranged

CMSC390 Honors Paper (PermReq) (3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number. **Prerequisite:** admission to CMSC Honors Program. Special study or research directed toward preparation of honors paper.

CMSC460 Computational Methods (PermReq) (3) REG/P-F/AUD.

Prerequisites: (a) grade of C or better in MATH 240 and MATH 241; and (CMSC 110 or CMSC 113); and permission of department; or CMSC graduate student. Also offered as MATH 460 or CMSC/MATH 466. Basic computational methods for interpolation, least squares, approximation, numerical quadrature, numerical solution of polynomial and transcendental equations, systems of linear equations and initial value problems for ordinary differential equations. Emphasis on methods and their computational properties rather than their analytic aspects. Intended primarily for students in the physical and engineering sciences.

0101 (04322) STAFF
Meets 06/01/99-07/23/99 M/WThF 8:00am-9:20am
(MH 0105)

CMSC498A Special Problems in Computer Science (PermReq) (1-3) REG/P-F.

Individual instruction course: contact department or instructor to obtain section number.

CMSC798A Graduate Seminar in Computer Science (PermReq) (1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

CMSC799 Master's Thesis Research (PermReq) (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

CMSC818A Advanced Topics in Computer Systems (PermReq) (1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

CMSC828A Advanced Topics in Information Processing (PermReq) (1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

CMSC838A Advanced Topics in Programming Languages (PermReq) (1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

CMSC858A Advanced Topics in Theory of Computing (PermReq) (1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

CMSC878A Advanced Topics in Numerical Methods (PermReq) (1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

CMSC899 Doctoral Dissertation Research (PermReq) (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

COMM Communication

(ARTS AND HUMANITIES)

COMM107 Oral Communication: Principles and Practices (3) REG/P-F.

Not open to students who have completed COMM 100 or SPCH 100. Credit will be granted for only one of the following: COMM 100 or COMM 107 or SPCH 100 or SPCH 107. Formerly SPCH 107. A study of and practice in oral communication, including principles of interviewing, group discussion, listening, informative briefings, and persuasive speeches.

0101 (04965) STAFF TuTh 6:30pm-9:50pm
(PLS 1146)

0102 (04966) Wolvin, A M/WThF 9:30am-10:50am
(PLS 1146)

0103 (04967) Wolvin, A M/WThF 11:00am-12:20pm
(PLS 1146)

COMM230 Argumentation and Debate (3) REG/P-F/AUD.

Formerly SPCH 230. A study of the fundamental principles of reasoning, analysis, and evidence preparation of debate briefs and presentation of standard academic debate.

0101 (04979) STAFF MW 6:30pm-9:50pm
(PLS 1172)

COMM250 Introduction to Communication Inquiry

Formerly SPCH 250. An introduction to the field of communication. Definitions, models, and contexts of communication, rhetorical theory and rhetorical criticism of discourse.

0101 (04989) Woks, L M/WThF 11:00am-12:30pm
(SKN 0104)

COMM324 Communication and Gender (3) REG/P-F/AUD.

DIVERSITY Formerly SPCH 324. The creation of images of male and female, and masculine and feminine, through communication; the differences in male and female communication behaviors and styles; and the implications of those images and styles for male-female interactions.

0101 (04999) STAFF TuTh 6:30pm-9:50pm
(PLS 1111)

0102 (05000) STAFF MW 6:30pm-9:50pm
(PLS 1111)

SESSION I

COMM360 The Rhetoric of Black America
 (3) REG/P-F/AUD.

DIVERSITY Formerly SPCH 360. An historical-critical survey of the rhetoric of Black Americans from the Colonial period to the present.

0101 (05011) STAFF MW 6:30pm-9:50pm
 (PLS 1113)

0102 (05012) STAFF TuTh 6:30pm-9:50pm
 (PLS 1113)

COMM386 Experiential Learning *(PermReq)*
 (3-6) REG/P-F

Prerequisite: permission of department. 56 semester hours.
 0101 (05022) Morrison, S. Time and room to be arranged

COMM399 Honors Thesis *(PermReq)*
 (3) REG/P-F/AUD.

0101 (05032) STAFF Time and room to be arranged

COMM400 Research Methods in Communication
 (3) REG/P-F/AUD.

Prerequisite: COMM 250 and an introductory course in statistics. Formerly SPCH 400. Philosophy of scientific method, role of theory, research ethics, empirical research methods (measurement, sampling, design, analysis).

0101 (05043) STAFF MW 6:30pm-9:50pm
 (SKN 0104)

COMM401 Interpreting Strategic Discourse
 (3) REG/P-F/AUD.

Formerly SPCH 401. Principles and approaches for practical analysis of discourse designed to shape audience opinion.

0101 (05053) Perry-Giles, S. TuTh 6:30pm-9:50pm
 (SKN 0104)

COMM425 Negotiation and Conflict Management
 (3) REG/P-F/AUD.

Formerly SPCH 425. Role of communication in shaping negotiation and conflict processes and outcomes.

0101 (05063) Coi, D MW 6:00pm-9:20pm
 (PLS 1117)

COMM426 Conflict Management
 (3) REG/P-F/AUD.

Recommended: COMM 425, COMM 250, and COMM 402. Formerly SPCH 426. Role of communication in managing conflict processes

0101 (05073) Coi, D MW 1:00pm-4:20pm
 (SKN 0104)

COMM482 Intercultural Communication
 (3) REG/P-F/AUD.

DIVERSITY Formerly SPCH 482. The major variables of communication in an intercultural context: cultural, racial and national differences; stereotypes, values, cultural assumptions; and verbal and nonverbal channels

0101 (05083) STAFF TuTh 6:30pm-9:50pm
 (PLS 1172)

COMM489 Topical Research *(PermReq)*
 (1-3) REG.

Individual instruction course: contact department or instructor to obtain section number

COMM798 Independent Study
 (1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number

COMM799 Master's Thesis Research
 (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number

COMM899 Doctoral Dissertation Research
 (1-8) REG/S-F

Individual instruction course: contact department or instructor to obtain section number

CONS Sustainable Development & Conservation Biology

(LIFE SCIENCES)

CONS609 Special Topics in Conservation Biology
 (1-3) REG/S-F

0101 (05150) Inouye, D Time and room to be arranged

CONS798 Research Papers in Sustainable Development and Conservation Biology *(PermReq)*
 (1-4) REG/S-F

0101 (05161) STAFF Time and room to be arranged

COOP Cooperative Education Program

(UNDERGRADUATE STUDIES)

COOP098 Summer Co-Op Work Experience
 (No credit) S-F

Permission of Co-op Coordinator required. Obtain signature and more information at the Career Center, 1102 Hixtopia Hall. For special fees, see the financial information section of the Schedule of Classes.

0101 (05212) Nelfendorf, C. Time and room to be arranged

CPSP College Park Scholars Program

(UNDERGRADUATE STUDIES)

CPSP259A College Park Scholars Practicum: Arts
 (1-3) REG.

Restricted to College Park Scholars - Arts.
 0101 (05263) O'Meara, K. M 9:30am-11:30am
 (SQH 1119)

CPSP259C College Park Scholars Practicum: Advocates for Children
 (1-3) REG.

Restricted to College Park Scholars - Advocates for Children.
 0101 (05273) O'Meara, K. M 9:30am-11:30am
 (SQH 1119)

CPSP259D College Park Scholars Practicum: Science, Discovery, and the Universe
 (1-3) REG.

Restricted to College Park Scholars - Science, Discovery, and the Universe.
 0101 (05283) O'Meara, K. M 9:30am-11:30am
 (SQH 1119)

CPSP259E College Park Scholars Practicum: Environmental Studies
 (1-3) REG.

Restricted to College Park Scholars - Environmental Studies.
 0101 (05293) O'Meara, K. M 9:30am-11:30am
 (SQH 1119)

CPSP259L College Park Scholars Practicum: Life Sciences
 (2-3) REG.

Restricted to College Park Scholars - Life Sciences.
 0101 (05303) O'Meara, K. M 9:30am-11:30am
 (SQH 1119)

CPSP259R College Park Scholars Practicum: American Cultures
 (3) REG.

Restricted to College Park Scholars - American Cultures.
 0101 (05313) O'Meara, K. M 9:30am-11:30am
 (SQH 1119)

CPSP359 Discovery Projects in Research
 (2) REG.

Restricted to McNair Scholars, College Park Scholars, and students in University Honors Program.
 0101 (05323) McAdams, K. M 9:30am-11:30am
 (SQH 1119)

ECON Economics

(BEHAVIORAL AND SOCIAL SCIENCES)

ECON200 Principles of Micro-Economics
 (4) REG/P-F/AUD.

CORE: Behavioral and Social Science (SB). Prerequisite: MATH 110 or placement in MATH 115 or above. It is recommended that students complete ECON 200 before taking ECON 201. Credit will be granted for only one of the following: ECON 200 or ECON 203. Formerly ECON 203. This course emphasizes the behavior of individual consumers and business firms, problems of international trade and finance, the distribution of income, policies for eliminating poverty and discrimination, the problems of environmental pollution, and the impact of different market structures upon economic activity.

0101 (05373) STAFF TuWTh 6:30pm-9:25pm
 (TYD 1132)

0102 (05374) STAFF M TuWThF 9:00am-10:45am
 (TYD 1128)

0103 (05375) STAFF M TuWThF 11:00am-12:45pm
 (KEY 0102)

ECON201 Principles of Macro-Economics
 (4) REG/P-F/AUD.

CORE: Behavioral and Social Science (SB). Prerequisite: MATH 110 or placement in MATH 115 or above. It is recommended that students complete ECON 200 before taking ECON 201. Credit will be granted for only one of the following: ECON 201 or ECON 205. An introduction to the problems of unemployment, inflation, and economic growth. Emphasis on roles of monetary and fiscal policy in the conduct of macroeconomic policy. The efficacy of wage and price controls is analyzed.

0102 (05388) STAFF M TuWThF 9:00am-10:45am
 (PLS 1113)

0103 (05389) STAFF M TuWThF 11:00am-12:45pm
 (TYD 1118)

0104 (05390) STAFF M TuW 6:30pm-9:25pm
 (TYD 1128)

ECON305 Intermediate Macroeconomic Theory and Policy
 (3) REG/P-F/AUD.

Prerequisites: ECON 200, and ECON 201, and MATH 220. Credit will be granted for only one of the following: ECON 305 or ECON 405. Formerly ECON 401. Analysis of the determination of national income, employment, and price levels. Discussion of consumption, investment, inflation, and government fiscal and monetary policy.

0101 (05403) STAFF M TuWThF 9:30am-10:50am
 (TYD 0117)

ECON306 Intermediate Microeconomic Theory
 (3) REG/P-F/AUD.

Prerequisites: ECON 200, and ECON 201, and MATH 220. Formerly ECON 403. Analysis of the theories of consumer behavior and of the firm, market systems, distribution theory and the role of externalities

0101 (05414) STAFF M TuWThF 11:00am-12:20pm
 (SQH 1120)

0102 (05415) STAFF TuTh 6:30pm-9:50pm
 (TYD 2111)

ECON315 Economic Development of Underdeveloped Areas
 (3) REG/P-F/AUD.

Prerequisites: (ECON 200, and ECON 201) or ECON 205. Credit will be granted for only one of the following: ECON 315 or ECON 416. Formerly ECON 415. Analysis of the economic and social characteristics of underdeveloped areas. Recent theories of economic development, obstacles to development, policies and planning for development.

0101 (05427) STAFF M TuWThF 9:30am-10:50am
 (TYD 2109)

ECON386 Experiential Learning
 (3-6) REG/P-F

Prerequisite: permission of department. 56 semester hours.
 0101 (05437) Wallis, J. Time and room to be arranged

ECON399 Individual Reading and Research For Undergraduates *(PermReq)*
 (1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number. Prerequisite: six hours of upper division economics courses.

ECON430 Money and Banking
 (3) REG/P-F/AUD.

Prerequisites: ECON 200 and ECON 201. Credit will be granted for only one of the following: ECON 430 or ECON 431. The structure of financial institutions and their role in the provision of money and near money. Analysis of the Federal Reserve System, the techniques of central banks, and the control of supply of financial assets in stabilization policy. Relationship of money and credit to economic activity and the price level.

0101 (05460) STAFF M TuWThF 9:30am-10:50am
 (TYD 2111)

ECON440 International Economics
 (3) REG/P-F/AUD.

Prerequisites: ECON 200 and ECON 201. Credit will be granted for only one of the following: ECON 440 or ECON 441. A description of international trade and the analysis of international transactions, exchange rates, and balance of payments. Analysis of policies of protection, devaluation, and exchange rate stabilization and their consequences.

0102 (05470) STAFF M TuWThF 9:30am-10:50am
 (SQH 1107)

ECON460 Industrial Organization
 (3) REG/P-F/AUD.

Prerequisite: ECON 306 or ECON 406. Changing structure of the American economy; price policies in different industrial classifications of monopoly and competition in relation to problems of public policy

0101 (05481) STAFF M TuWThF 11:00am-12:20pm
 (SQH 1101)

ECON799 Master's Thesis Research
 (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number

ECON899 Doctoral Dissertation Research
 (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number

EDCI Curriculum and Instruction

(EDUCATION)

EDCI298 Special Problems in Teacher Education *(PermReq)*
 (1-6) REG/P-F/AUD.

0101 (05544) STAFF Time and room to be arranged

EDC0301 Teaching Art in the Elementary School (3) REG.

For elementary and pre-elementary education majors only. Not open to art education majors. Art methods and materials for elementary schools. Includes laboratory experiences with materials appropriate for elementary schools. Emphasis on emerging areas of art education for the elementary classroom teacher.

0101 (05555) Hendricks, S.
Meets 06/01/99-06/18/99 TuWThF 8:30am-11:30am
(EDU 1315)

EDC0320 Curriculum and Instruction in Secondary Education: Social Studies/ History (PermReq) (3) REG/P-F/AUD

Prerequisites: admission to teacher education program, and 2.5 GPA, and permission of department, and EDHD 413 and EDHD 420, and EDCI 390. For education majors only. Objectives, selection and organization of subject matter, appropriate methods, lesson plans, textbooks and other instructional materials, measures and topics pertinent to social studies education. Includes emphasis on multicultural education. Corequisite: EDCI 428

0101 (05565) Taylor-Thoma, M.
Meets 06/01/99-06/24/99 TuWTh 4:30pm-7:30pm
(EDU 0202)

Time and room to be arranged Dis

EDC0385 Computers for Teachers (3) REG/P-F/AUD

Prerequisites: admission to teacher education program, and 2.5 GPA. For education majors only. Credit will be granted for only one of the following: EDCI 385; or EDCI 487; or EDIT 406; or EDIT 477; or EDCP 480. A first-level survey of instructional uses of computers, software, and related technology for preservice teachers.

0101 (05575) Robison, P.
Meets 06/01/99-06/18/99 TuWThF 8:30am-11:30am
(CSS 2352)

EDC0390 Principles and Methods of Secondary Education (3) REG/P-F/AUD

Prerequisites: admission to teacher education program, and 2.5 GPA. Corequisites: EDHD 413 and EDHD 420. For education majors only. Principles and methods of teaching in junior and senior high schools. Instructional problems common to all of the subject fields, considered in relation to the needs and interests of youth, social problems and the central values of society

0101 (05585) STAFF MW 3:40pm-7:00pm
(EDU 2102)

Time and room to be arranged Lab

EDC0397 Principles and Methods of Teaching in Elementary Schools (3) REG/P-F/AUD

Prerequisites: admission to teacher education program, and 2.5 GPA. For education majors only. Teaching strategies, classroom interactive techniques, and procedures for planning and evaluating instruction in elementary schools. Emphasis on principles of effective instruction, classroom management, and adaptation of instruction for various student populations.

0101 (05596) STAFF
Meets 06/21/99-07/09/99 TuWThF 8:30am-11:30am
(EDU 2212)

EDC0415 Methods of Teaching ESOL in Elementary Schools (3) REG/P-F/AUD

Prerequisite: EDCI 434 or permission of department. Analysis of elementary school classroom culture, social contexts, and instructional strategies which foster language development in elementary school content areas (i.e., math, social studies, art and science), consistent with current theories of child second language acquisition. For undergraduate and graduate preservice and current teachers of English to speakers of other languages.

0101 (05606) Stein, H. TuTh 3:40pm-7:00pm
(EDU 0206)

EDC0426 Methods of Teaching Social Studies in Secondary Schools (3) REG/P-F/AUD

Prerequisites: EDHD 413 and EDHD 420, and EDCI 390. Objectives, selection and organization of subject matter, appropriate methods, lesson plans, textbooks and other instructional materials, measurement and topics pertinent to social studies education. Includes emphasis on multicultural education. For in-service teachers. Corequisite: EDCI 428.

0101 (05616) Taylor-Thoma, M.
Meets 06/01/99-06/24/99 TuWTh 4:30pm-7:30pm
(EDU 0202)

Time and room to be arranged Dis

EDC0428 Field Experience in Secondary Social Studies Teaching (1) S-F.

Corequisite: EDCI 320 or EDCI 426

0101 (05626) Taylor-Thoma, M.
Meets 06/01/99-06/24/99 TuWTh 1:00pm-3:00pm
(Arranged) Lab

EDC0436 Teaching for Cross-Cultural Communication (3) REG/P-F/AUD

The techniques and content for teaching culture in foreign language classes and English as a Second Language (ESL) classes. Research and evaluation of selected aspects of a culture as basis for creating teaching materials.

0101 (05646) De Lorenzo, M. MW 3:40pm-6:55pm
(EDU 1315)

EDC0443 Literature for Children and Youth (3) REG/P-F/AUD

For elementary education and pre-elementary education majors only. Analysis of literary materials for children and youth. Timeless and ageless books, and outstanding examples of contemporary publishing. Evaluation of the contributions of individual authors, illustrators and children's book awards. Also for in-service teachers.

0101 (05656) Hadelbach, R.
Meets 06/01/99-06/18/99 TuWThF 4:00pm-7:00pm
(EDU 0220)

F 4:00pm-7:00pm
(EDU 0212)

EDC0443A Literature for Children and Youth (3) REG/P-F/AUD

For early childhood education and pre-early childhood education majors only.

0101 (05666) Comas, J.
Meets 06/01/99-06/18/99 TuWThF 1:00pm-4:00pm
(EDU 0220)

EDC0463 Reading in the Secondary School (3) REG/P-F/AUD

Prerequisites: admission to teacher education program, and 2.5 GPA, or permission of department required for post-baccalaureate students. For education majors only. The fundamentals of content area reading instruction. Emphasis on middle school through high school.

0101 (05676) Sorocha, O.
Meets 06/01/99-06/18/99 TuWThF 9:00am-12:00pm
(EDU 3233)

EDC0488C Selected Topics in Teacher Education: Reading Instruction for Elementary Grades (K-6) (3) REG/P-F/AUD

0101 (05706) Gambrell, L.
Meets 06/28/99-07/09/99 TuWThF 9:00am-1:30pm
(EDU 2102)

THIS COURSE MEETS STATE OF MARYLAND NEW READING REQUIREMENTS. This course will focus on how to design and implement a balanced program of phonics, semantics, and syntactics in teaching reading. Additional topics include literacy motivation, word identification, comprehension, and the relationship between reading and writing

EDC0489 Field Experiences in Education (1-4) REG/P-F/AUD

0101 (05726) STAFF Time and room to be arranged

EDC0498 Special Problems in Teacher Education (1-6) REG/P-F/AUD

0101 (05737) STAFF Time and room to be arranged

EDC0480 Trends in Secondary School Curriculum (3) REG/AUD

Recent developments in educational thinking and practice on the curriculum. For master's certification students only.

0101 (05758) Payne, J. TuTh 1:00pm-4:20pm
(EDU 2119)

EDC0481 Trends in Elementary School Curriculum (3) REG/AUD

Recent developments in educational thinking and practice which have affected the curriculum in elementary education. For master's certification students only.

0101 (05768) STAFF TuTh 1:00pm-4:20pm
(EDU 2119)

EDC0788A Selected Topics in Teacher Education: Teaching Online (3) REG/AUD

0101 (05819) Robison, P.
Meets 07/10/99-08/21/99 Sa 9:00am-5:00pm
(EDU 1107)

Teaching Online is a graduate course designed to explore the theory, issues, and practical designs of conducting courses in Web-based computer mediated conference (WCC) or online learning environments. The course will meet face-to-face 7/10/99 and 8/21/99. The rest of the class will be held online in WebCT at the University of Maryland's WCC system. Students will be taught the computer skills they will need to be a part of the class.

EDC0788B Selected Topics in Teacher Education: Proseminar: Perspectives on Teaching (PermReq) (1-3) REG/AUD

For master's certification students only

0101 (05829) Jantz, R. TuTh 1:00pm-4:20pm
(EDU 1121)

Time and room to be arranged Lab

This course provides an opportunity for students to synthesize and integrate knowledge and skills learned in all components of the Maryland Master's Certification Program. Particular emphasis is placed on the integration of theoretical, empirical and practical knowledge of teaching and learning.

EDC0798 Special Problems in Teacher Education (1-6) REG/AUD

Individual instructor course: contact department or instructor to obtain section number.

EDC0799 Master's Thesis Research (1-6) REG.

Individual instructor course: contact department or instructor to obtain section number

EDC0888 Apprenticeship in Education (1-8) REG/AUD

Individual instructor course: contact department or instructor to obtain section number.

EDC0899 Doctoral Dissertation Research (1-8) REG.

Individual instructor course: contact department or instructor to obtain section number.

EDCP Education Counseling and Personnel Services

(EDUCATION)

EDCP1088 College and Career Advancement: Concepts and Skills: Academic Skills (1) REG/P-F/AUD

0101 (05907) Van Brunt, J. TuWTh 11:00am-12:00pm
(SHM 2102)

EDCP386 Experiential Learning (PermReq) (3-6) REG/P-F

Individual instructor course: contact department or instructor to obtain section number. Prerequisite: permission of department. 56 semester hours.

EDCP420 Education and Racism (3) REG/P-F/AUD

DIVERSITY Strategy development for counselors and educators to deal with problems of racism.

0101 (05940) Pope-Davis, D. TuTh 3:40pm-7:00pm
(EDU 3315)

0102 (05941) Rogers, M. MW 9:00am-12:20pm
(EDU 2101)

EDCP489 Field Experiences in Counseling and Personnel Services (PermReq) (1-4) REG/P-F/AUD

Individual instructor course: contact department or instructor to obtain section number.

EDCP498 Special Problems in Counseling and Personnel Services (1-3) REG.

Individual instructor course: contact department or instructor to obtain section number.

EDCP611 Career Development Theory and Programs (3) REG/AUD

Research and theory related to career and educational decisions, programs of related information and other activities in career decision.

0101 (05977) Rele, O. MW 3:40pm-7:00pm
(EDU 3233)

EDCP617 Group Counseling (3) REG/AUD

Prerequisite: EDCP 616. A survey of theory, research and practice of group counseling and psychotherapy with an introduction to growth groups and the laboratory approach, therapeutic factors in groups, composition of therapeutic groups, problem clients, therapeutic techniques, research methods, theories, ethics and training of group counselors and therapists.

0101 (05987) Holcomb-McCoy, C. TuTh 3:40pm-7:00pm
(EDU 2102)

EDCP788 Advanced Practicum: Advanced Practicum (3) REG/AUD

0101 (05997) STAFF Time and room to be arranged

For Counseling Psychology Students Only.

EDCP789W Advanced Topics in Counseling and Personnel Services: An Introduction to Understanding Mental Disorders for Counselors (3) REG/AUD

0101 (06007) Riche, B. TuTh 7:00pm-10:00pm
(EDU 3236)

SESSION I

EDCP798 Special Problems in Counseling and Personnel Services
(1-6) REG/AUD.

0101 (06017) STAFF Time and room to be arranged
0102 (06018) Pope-Devis, D. Time and room to be arranged

EDCP799 Master's Thesis Research
(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

EDCP888 Apprenticeship in Counseling and Personnel Services
(1-8) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

EDCP885 Apprenticeship in Counseling and Personnel Services: School Psychology
(1-6) REG/AUD.

0101 (06033) STAFF Time and room to be arranged
For School Psychology Students Only.

EDCP886 Apprenticeship in Counseling and Personnel Services: College Student Personnel
(PermReq)

(3) REG/AUD.
0101 (06043) Osteen, J. M. 2:00pm-5:00pm
(ARC 1127)

Time and room to be arranged Dis
EDCP889 Internship in Counseling and Personnel Services
(1-8) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

EDCP899 Doctoral Dissertation Research
(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

EDHD Education, Human Development

(EDUCATION)

EDHD300 Human Development and Learning (PermReq)
(6) REG/P-F/AUD.

Prerequisite: admission to teacher education program. Major concepts and theories of human development and learning and their implications for the educational process. One half day a week in school to observe student behavior, participate in classroom activities, and attend seminars on school topics.

0101 (06108) Alexander, P. M/WThF 9:30am-12:30pm
(EDU 3315)

EDHD320 Human Development through the Lifespan
(3) REG/AUD

Central concepts related to parameters of human development, individual and social, which arise throughout the various stages of the lifespan. Continuity and change within the developing individual.

0101 (06129) Marcus, R. MW 12:30pm-3:40pm
(EDU 3315)

Time and room to be arranged Dis
EDHD400 Introduction to Gerontology
(3) REG/AUD

Multidisciplinary survey of the processes of aging. Physiological changes, cultural forces, and self-processes that bear on quality of life in later years. Field study of programs, institutions for elderly, individual elders, their families and care providers.

0101 (06139) Smith, G. TuTh 7:00pm-10:00pm
(EDU 1107)

Time and room to be arranged Dis

EDHD411 Child Growth and Development
(3) REG/AUD.

Theoretical approaches to and empirical studies of physical, psychological and social development from conception to puberty. Implications for home, school and community.

0101 (06149) STAFF TuTh 4:00pm-7:00pm
(EDU 3233)

Time and room to be arranged Dis

EDHD413 Adolescent Development
(3) REG/P-F/AUD.

Adolescent development, including special problems encountered in contemporary culture, individual component and individual case study.

0101 (06160) Gardner, A. TuTh 7:00pm-10:10pm
(EDU 2102)

Time and room to be arranged Dis

EDHD420 Cognitive Development and Learning
(3) REG/AUD.

Prerequisite: EDHD 300 or EDHD 320 or EDHD 411 or PSYC 355 or PSYC 341 or permission of department. Current developmental theories of cognitive processes such as language, memory, and intelligence and how differences in cognitive level (infancy through adolescence) mediate learning of educational subject matters.

0101 (06172) STAFF TuTh 7:00pm-10:20pm
(EDU 3233)

EDHD430 Adolescent Violence
(3) REG/AUD.

Prerequisite: PSYC 100 or EDHD 300 or permission of department. Examines the roots of violence among adolescents and the extent to which this constitutes a problem in various settings. Research studies on its origins, prevention and intervention and implications for social policy are examined.

0101 (06182) Marcus, R. MW 4:00pm-7:00pm
(EDU 3315)

Time and room to be arranged Dis

EDHD489 Field Experiences in Education (PermReq)
(1-4) REG.

Individual instruction course: contact department or instructor to obtain section number.

EDHD498 Special Problems in Education
(1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

EDHD721 Learning Theory and the Educative Process I
(3) REG/AUD.

Major theories, issues and research in learning and cognitive development. Emphasis on the application of these theories to education and the helping professions.

0101 (06227) Mersole, J. TuTh 4:00pm-7:00pm
(EDU 3236)

Time and room to be arranged Dis

EDHD789 Internship in Human Development
(3-8) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

EDHD798 Special Problems in Education
(1-6) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

EDHD799 Master's Thesis Research
(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

EDHD888 Apprenticeship in Education
(1-8) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

EDHD889 Internship in Education
(3-8) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

EDHD899 Doctoral Dissertation Research
(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

EDMS Measurement, Statistics, and Evaluation

(EDUCATION)

EDMS451 Introduction to Educational Statistics
(3) REG/AUD.

Junior standing. Introduction to statistical reasoning; location and dispersion measures; computer applications; regression and correlation; formation of hypotheses tests; t-test; one-way analysis of variance; analysis of contingency tables.

0101 (06298) Moready, G. M/WTh 12:00pm-1:40pm
(EDU 1107)

0102 (06299) Moready, G. M/WTh 2:00pm-3:40pm
(EDU 1107)

EDMS465 Quantitative Research Methods I
(3) REG/AUD.

Research design and statistical applications in educational research; data representation; descriptive statistics; estimation and hypothesis testing. Application of statistical computer packages is emphasized.

0101 (06310) Hancock, G. M/WTh 5:00pm-6:40pm
(EDU 1121)

0102 (06311) Hancock, G. M/WTh 7:00pm-8:40pm
(EDU 1121)

EDMS466 Quantitative Research Methods II
(3) REG/AUD.

Prerequisite: EDMS 465. A second level inferential statistics course with emphasis on analysis of variance procedures and designs. Assignments include student analysis of survey data. Application of statistical computer packages is emphasized.

0101 (06322) Powell, D. M/WTh 7:00pm-8:40pm
(EDU 3315)

EDMS798 Special Problems in Education
(1-6) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

EDMS799 Master's Thesis Research
(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

EDMS889 Internship in Measurement and Statistics (PermReq)
(3-12) REG.

Individual instruction course: contact department or instructor to obtain section number.

EDMS899 Doctoral Dissertation Research
(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

EDPA Education Policy, Planning and Administration

(EDUCATION)

EDPA301 Foundations of Education
(PermReq)
(3) REG/P-F/AUD.

Prerequisite: junior standing and admission to teacher education; or Bachelor's degree with permission of department. Social context of education and conflicts over philosophies, values, and goals that are reflected in educational institutions in our pluralistic society. Helps teachers become reflective, critical thinkers about the social and philosophical issues they face and the choices they make.

0101 (06410) Seubert, C. TuWThF 9:30am-12:00pm
(EDU 2119)

0102 (06411) Henschbach, D. TuTh 3:40pm-7:00pm
(EDU 1107)

EDPA489 Field Experiences in Education
(1-4) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

EDPA498 Special Problems in Education (PermReq)
(1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

EDPA601 Contemporary Social Issues in Education
(3) REG/AUD.

Theoretical and practical consideration of vital social issues currently affecting education.

0101 (06503) Henschbach, D. MW 7:00pm-10:20pm
(EDU 2102)

EDPA634 The School Curriculum
(3) REG/AUD.

A foundations course embracing the curriculum as a whole from early childhood through adolescence, including a review of historical developments, an analysis of conditions affecting curricular change, an examination of issues in curriculum making, and a consideration of current trends in curricular design.

0101 (06513) Selden, S. TuTh 3:40pm-7:00pm
(EDU 2101)

EDPA798 Special Problems in Education (PermReq)
(1-6) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

EDPA799 Master's Thesis Research
(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

EDPA837 Curriculum Theory and Research
(3) REG/AUD.

Prerequisite: EDPA 635. Critical and analytic review of major themes, concepts and language forms relevant to current curriculum theory and research.

0101 (06617) Selden, S. TuTh 7:00pm-10:20pm
(EDU 2101)

This course will focus on race, class, and social justice.

EDPA889 Internship in Education
(3-8) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

EDPA899 Doctoral Dissertation Research
(1-8) REG/S-F

Individual instruction course: contact department or instructor to obtain section number.

EDSP Education, Special

(EDUCATION)

EDSP210 Introduction to Special Education (3) REG/AUD.

Characteristics and needs of children with handicaps. Current issues in special education.

0101 (06762) Donohy, A. MWTh 5:30pm-8:50pm
Meets 06/01/99-06/28/99 (EDU 2119)

EDSP376 Fundamentals of Sign Language (3) REG/P-F/AUD.

Receptive and expressive skills in American Sign Language. Examination of the causes of deafness, characteristics of deaf education, and aspects of the culture of the deaf community.

0101 (06772) Glower, R. MW 6:30pm-9:45pm
(EDU 1107)

EDSP400 Assessment, Curriculum and Instructional Methods For Students with Severe Disabilities (PermReq) (3) REG/P-AUD.

Prerequisite: (EDSP 402 or EDSP 431) or permission of department. Examination of functional assessment procedures, curriculum development and analysis, and instructional techniques for students with severe disabilities.

0101 (06783) Kohl, F. Meets 06/28/99-07/08/99 MWTh 10:00am-4:00pm
(EDU 0114)

EDSP402 Field Placement: Severe Disabilities I (PermReq) (2-5) REG.

Pre- or co-requisites: (EDSP 400); and (EDSP 404) or permission of department. Practicum experience in settings serving severely disabled individuals. Enrollment limited to those admitted to severely handicapped specialty area. Field placement for two to five half-days per week. Students without the required co- or prerequisites can register for this course with departmental approval. Open to special education graduate students only for this term.

0101 (06793) STAFF Time and room to be arranged

EDSP421 Field Placement: Early Childhood Special Education I (PermReq) (2-3) REG.

Pre- or co-requisite: (EDSP 420), and (EDCI 410) Practicum experience in settings serving preschool handicapped children. Opportunities for studying the patterns of development and learning among non-handicapped and handicapped infants and older preschoolers. Enrollment limited to students admitted to early childhood specialty Field placement for two or three half-days per week. Students without the required pre- or co-requisites can register for this course with departmental approval. Open to special education graduate students only for this term.

0101 (06804) STAFF Time and room to be arranged

EDSP442 Field Placement: Educationally Handicapped I (PermReq) (2-3) REG.

Pre- or co-requisite: (EDSP 441) and (EDCI 456) or permission of department. Practicum experience in settings serving educationally handicapped individuals. Demonstration of the content of EDSP 441. Enrollment limited to students admitted to educationally handicapped specialty. Field placement for two or three half-days per week. Students without the required co- or prerequisites can register for this course with departmental approval. Open to special education graduate students only for this term.

0101 (06815) STAFF Time and room to be arranged

EDSP443 Assessment and Instructional Design for the Handicapped: Reading and Written Communication Disorders (3) REG/P-F/AUD.

Prerequisites: (EDSP 320); and (EDSP 321) or permission of department. Pre- or co-requisites: (EDSP 331); and (EDSP 332); and (EDSP 333) Characteristics and assessments of individuals with reading

and written communication disorders of elementary to secondary levels, and methods of teaching reading and written language skills to such individuals. Adaptation of regular instructional methods and curricula.

0101 (06826) Roberts, A. TuTh 4:00pm-7:20pm
(EDU 0114)

EDSP461 Field Placement: Secondary/Transition I (PermReq) (3) REG.

Pre- or co-requisite: (EDSP 460). For EDSP majors only. Practicum experience in secondary/transition programs for individuals with disabilities. Field placement for two half-days per week. Students without the required pre- or co-requisites can register for the course with departmental approval. Open to special education graduate students only for this term.

0101 (06836) STAFF Time and room to be arranged

EDSP470 Introduction to Special Education (3) REG/AUD.

Designed to give an understanding of the needs of all types of exceptional children. Open to all students except undergraduate special education majors.

0101 (06847) Voht, L. Meets 06/01/99-06/28/99 MWTh 6:40pm-10:00pm
(EDU 0212)

EDSP489 Field Experiences in Special Education (1-4) REG/P-F/AUD.

0101 (06858) STAFF Time and room to be arranged

EDSP498 Special Problems in Special Education (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

EDSP499G Workshops, Clinics, and Institutes in Special Education: Inclusive Practices in the Schools (3) REG.

0101 (06881) Gruber, B. TuTh 4:00pm-7:20pm
(EDU 1315)

This course will review educational practices regarding inclusive education in the schools for students with and without disabilities. The content of this course is appropriate for general educators as well as special educators.

EDSP499K Workshops, Clinics, and Institutes in Special Education: Classroom Management for Promoting Pro-social Behavior in the Classroom (3) REG/P-F/AUD.

0101 (06891) Malmgren, K. MW 4:00pm-7:20pm
(EDU 0101)

EDSP670 Single Subject Research in Special Education (3) REG/AUD.

Prerequisite: (EDSP 600 or permission of department. Design, application, and analysis of single subject research in special education classrooms across all disabilities.

0101 (06911) Egel, A. MW 6:40pm-10:00pm
(EDU 3236)

EDSP678T Seminar in Special Education: Programming for Handicapped Infants: Medical and Genetic Implications (3) REG/AUD.

0101 (06931) Wachel, R. MW 5:00pm-8:00pm
(EDU 0114)

Time and room to be arranged Dis

EDSP788S Selected Topics in Special Education: The Reauthorization of IDEA (Individuals with Disabilities Education Act): Implications for Regular and Special Educators (2-3) REG.

0101 (06951) Warren, S. Meets 06/21/99-06/30/99 MWTh 9:00am-5:00pm
(EDU 4233)

The 1997 Amendments to IDEA pose interesting challenges to regular and special educators and administrators and parents. This course will highlight the critical components of this law and the implications for educating students with disabilities and other diverse learning styles. Strategies for implementation at the school and classroom levels will be explored. Classes held: June 21, June 23, June 24, June 28 and June 30, 1999

EDSP798 Special Problems in Special Education (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

EDSP799 Master's Thesis Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

EDSP888 Apprenticeship in Special Education (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

EDSP889 Internship in Special Education (3-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

EDSP899 Doctoral Dissertation Research (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENAE Engineering, Aerospace

(ENGINEERING)

ENAE283 Introduction to Aerospace Systems (3) REG.

Prerequisites: PHYS 161 and ENES 100 and ENES 102. Co-requisites: ENAE 261 and PHYS 262. For ENAE majors only. Introduction to airplanes and space vehicles as aerospace systems. Fundamentals that describe these systems. Elements of aerodynamics, airfoils and wings. Airplane performance, stability and control. Aircraft and rocket propulsion. Fundamentals of orbital motion. Aspects of vehicle conceptual design.

0101 (07081) Schmitz, F. MF 1:00pm-2:20pm
(EGR 3102)

TuTh 1:00pm-3:15pm
(EGR 3102)

ENAE311 Aerodynamics I (3) REG/P-F/AUD.

Prerequisites: ENAE 281; and ENES 221; and MATH 246. Co-requisite: ENAE 223. ENAE majors only or permission of department. Fundamentals of aerodynamics. Elements of compressible flow. Normal and oblique shock waves. Flows through nozzles, diffusers and wind tunnels. Elements of the method of characteristics and finite difference solutions for compressible flows. Aspects of hypersonic flow.

0101 (07091) Lewis, M. MWThF 3:00pm-4:20pm
(EGR 2112)

ENAE423 Vibration and Aeroelasticity (3) REG/P-F/AUD.

Prerequisite: ENAE 322. ENAE majors only or permission of department. Continuation of ENAE 322. Dynamic response of single and multiple degrees of freedom systems, finite element modeling, wing divergence, airfoil reversal, wing and panel flutter.

0101 (07101) Lee, S. MWThF 8:00am-9:20am
(EGR 2112)

ENAE499 Elective Research (1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ENAE799 Master's Thesis Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENAE899 Doctoral Dissertation Research (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENBE Biological Resources Engineering

(AGRICULTURE AND NATURAL RESOURCES)

ENBE489 Special Problems in Biological Resources Engineering (1-8) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ENBE499 Special Problems in Agricultural Engineering Technology (1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ENBE699 Special Problems in Biological Resources Engineering (1-6) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

Individual instruction course: contact department or instructor to obtain section number.

ENBE799 Master's Thesis Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENBE899 Doctoral Dissertation Research (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENCE Engineering, Civil

(ENGINEERING)

ENCE489 Special Problems in Civil Engineering (1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ENCE664 Construction Contracts and Specifications (3) REG/AUD.

For ENCE majors only. Basics of contract law; types and selection of construction contracts; essentials of plans and specifications; bidding, awarding and administration of contracts; liability, bonding, claims, and other legal aspects associated with construction projects.

0101 (07231) O'Connell, K. Meets 06/01/99-07/15/99 TuTh 5:30pm-8:20pm
(EGR 2103)

SESSION I

ENCE688 Advanced Topics in Civil Engineering (1-3) REG/AUD

Individual instruction course: contact department or instructor to obtain section number.

ENCE689 Seminar (1-16) REG/AUD

Individual instruction course: contact department or instructor to obtain section number.

ENCE799 Master's Thesis Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENCE899 Doctoral Dissertation Research (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENCH Engineering, Chemical

(ENGINEERING)

ENCH215 Chemical Engineering Analysis (3) REG.

Prerequisite: CHEM 133 or CHEM 113. *Pre- or corequisite:* MATH 141. Introduction to methods of chemical engineering calculation and analysis. Stoichiometric relations, material and energy balances, and behavior of gases, vapors, liquids and solids. Analytical and computer methods.

0101 (07298) Smith, T. MtuWThF 9:30am-10:50am (CHE 214D)

ENCH437 Chemical Engineering Laboratory (3) REG/P-F/AUD.

Prerequisites: ENCH 424 and ENCH 440, and ENCH 442. *Corequisite:* ENCH 426. Application of chemical engineering process and unit operation principles in small scale semi-commercial equipment. Data from experimental observations are used to evaluate performance and efficiency of operations. Emphasis on correct presentation of results in report form.

0101 (07318) Smith, T. TuTh 11:00am-5:00pm (CHE 114S) Lab

ENCH468 Research (1-3) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENCE648 Special Problems in Chemical Engineering (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENCH799 Master's Thesis Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENCH899 Doctoral Dissertation Research (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENCO Engineering, Cooperative Education

(ENGINEERING)

ENCO098 Summer Co-Op Work Experience (PeerReq) (No credit) S-F.

0101 (07385) Sauber, H. Time and room to be arranged

ENEE Engineering, Electrical

(ENGINEERING)

ENEE204 Basic Circuit Theory (3) REG.

Prerequisite: MATH 246. Basic circuit elements: resistors, capacitors, inductors, sources, mutual inductance and transformers; their I-V relationships, Kirchhoff's laws. DC and AC steady state analysis. Phasors, node and mesh analysis, superposition, theorems of Thevenin and Norton. Transient analysis for first and second-order circuits. Engineering College only (04).

0101 (07436) STAFF Meets 06/01/99-07/20/99 MtuWTh 8:00am-9:20am (EGR 1104)

ENEE244 Digital Logic Design (3) REG.

Prerequisite: ENEE 114. Gates, flip-flops, registers and counters. Karnaugh map simplification of gate networks. Switching algebra. Synchronous sequential systems. PLAs. Elements of binary arithmetic units. Engineering College only (04).

0101 (07446) STAFF Meets 06/01/99-07/20/99 MtuWTh 9:30am-10:50am (EGR 3106)

All lower-division CHEM, MATH, PHYS and Engineering courses that are required courses for the BS degree in Electrical Engineering must be completed before enrolling in any 300- or 400-level ENEE course (except ENEE 300 and ENEE 301). Transfer students will be allowed one term to complete all such courses after starting to take upper-level ENEE courses.

ENEE302 Analog Electronic Circuits (3) REG.

Prerequisite: ENEE 204 and completion of all lower-division courses in the EE curriculum. See above note. Basic electronic circuits (diodes, bipolar transistors, MOSFETs) their characteristics and principles of operation. Small signal analysis. Circuit models with controlled sources. Diode circuits: Low-frequency amplifiers and feedback. Frequency response of amplifiers. Operational amplifiers and their applications. Wave-shaping and waveform generators. Elements of power electronics. ENEE majors (09090) only.

0101 (07456) STAFF Meets 06/01/99-07/20/99 MtuWTh 9:30am-10:50am (CSS 2330)

ENEE312 Digital Electronic Circuits (3) REG.

Prerequisite: ENEE 302 and completion of all lower-division technical courses in the EE curriculum. See above note. Review of basic semiconductor devices and technology. Inverters, gates and logic families. Analysis and design of combinational circuits (adder, comparator, encoder/decoder). Memories. Analysis and design of sequential circuits (flip-flops, registers, counters). Large scale integrated systems (dynamic MOS registers, EPROMs, PLA, CCGs). Analog-to-digital converters. Elements of CAD, including use of the Spice computer package. ENEE majors (09090) only.

0101 (07466) STAFF Meets 06/01/99-07/20/99 MtuWTh 9:30am-10:50am (EGR 1104)

ENEE350 Computer Organization (3) REG.

Prerequisite: ENEE 244 and completion of all lower-division technical courses in the EE curriculum. See above note. For 09090 and 09991 majors only. Not open to students who have completed ENEE 250. Formerly ENEE 250. Structure and organization of digital computers. Registers, memory, control and I/O. Data and instruction formats, addressing modes, assembly language programming. Elements of system software, subroutines and their linkages. ENEE majors (09090) only.

0101 (07476) Slio, C Meets 06/01/99-07/20/99 MtuWTh 8:00am-9:20am (EGR 1108)

ENEE380 Electromagnetic Theory (3) REG.

Prerequisites: MATH 241 and PHYS 263 and completion of all lower-division technical courses in the EE curriculum. See above note. Introduction to electromagnetic fields. Coulomb's law, Gauss's law, electrical potential, dielectric materials capacitance, boundary value problems, Biot-Savart law, Ampere's law, Lorentz force equation, magnetic materials, magnetic circuits, inductance, time varying fields and Maxwell's equations

0101 (07486) Taylor, L Meets 06/01/99-07/20/99 MtuWTh 11:00am-12:20pm (EGR 0110)

ENEE381 Electromagnetic Wave Propagation (3) REG.

Prerequisite: ENEE 380 and completion of all lower-division technical courses in the EE curriculum. See above note. Review of Maxwell's equations; the wave equation, potentials, Poynting's theorem. Transmission, lossy medium, skin effect. Parallel-plate and rectangular wave-guides. Radiation, retarded potentials, radiation from dipole.

0101 (07496) Lawson, W Meets 06/01/99-07/20/99 MtuWTh 9:30am-10:50am (EGR 1108)

ENEE440 Microprocessors (3) REG.

Prerequisite: ENEE 350 and completion of all lower-division technical courses in the EE curriculum. See above note. For 09090 and 09991 majors only. Microprocessor architectures, instruction sets, and applications. Bus structures, memory, I/O interfacing. Assembly language programming, LSI device configuration, and the embedding of microprocessors in systems. ENEE majors (09090) only.

0101 (07506) Hawkins, W Meets 06/01/99-07/20/99 MtuWTh 8:00am-9:20am (EGR 3106)

ENEE499 Senior Projects in Electrical Engineering (PeerReq) (1-3) REG.

0101 (07516) Papamercou, A. Time and room to be arranged

ENEE699 Independent Studies in Electrical Engineering (1-3) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENEE799 Master's Thesis Research (PeerReq) (1-6) S-F.

0101 (07529) Tis, A. Time and room to be arranged

ENEE899 Doctoral Dissertation Research (PeerReq) (1-8) S-F.

0101 (07540) Tis, A. Time and room to be arranged

ENES Engineering Science

(ENGINEERING)

ENES102 Statics (2) REG/P-F/AUD.

Prerequisite: MATH 140. For engineering majors only. Formerly ENES 110. The equilibrium of stationary bodies under the influence of various kinds of forces. Forces, moments, couples, equilibrium, trusses, frames and machines, centroids, moment of inertia, beams, and friction. Vector and scalar methods are used to solve problems.

0101 (07601) Ainsie, S Meets 10:00am-11:40am (EGR 2154)

ENES220 Mechanics of Materials (3) REG/P-F/AUD.

Prerequisites: ENES 102, and MATH 141, and PHYS 161. For engineering majors only (not including ENEE majors). Stress and deformation of solids—rods, beams, shafts, columns, tanks, and other structural, machine and vehicle members. Topics include stress transformation using Mohr's circle, shear and moment diagrams; derivation of elastic curves, and Euler's buckling formula. Design problems related to this material are given in lab.

0101 (07611) Chang, P Meets 9:30am-10:50am (EGR 0135) TuTh 12:30pm-2:30pm (EGR 0135) Dis

ENES221 Dynamics (3) REG/P-F/AUD.

Prerequisites: ENES 102 or ENES 110, and MATH 141, and PHYS 161. Systems of heavy particles and rigid bodies at rest and in motion. Force-acceleration, work-energy and impulse-momentum

relationships. Motion of one body relative to another in a plane and in space.

0101 (07622) STAFF Meets 9:40am-9:40am (EGR 2154)

ENES230 Introduction to Materials and their Applications (3) REG/P-F/AUD.

Prerequisite: ENES 100 or permission of department. Structure of materials, chemical composition, phase transformations, corrosion and mechanical properties of metals, ceramics, polymers and related materials. Material selection in engineering applications.

0101 (07632) STAFF Meets 9:30am-10:50am (CHE 2156)

ENFP Engineering, Fire Protection

(ENGINEERING)

ENFP429 Independent Studies (PeerReq) (1-3) REG/P-F.

0101 (07692) Spivak, S. Time and room to be arranged

ENFP619 Graduate Seminar (1-3) REG/AUD.

0101 (07713) STAFF. Time and room to be arranged

ENFP629 Selected Topics (3-6) REG/AUD.

0101 (07724) Spivak, S. Time and room to be arranged

ENFP649 Special Problems (1-3) REG/AUD.

0101 (07735) STAFF. Time and room to be arranged

ENFP799 Master's Thesis Research (1-6) REG/S-F.

Individual instruction course: contact department or instructor to obtain section number.

ENGL English

(ARTS AND HUMANITIES)

ENGL101 Introduction to Writing (3) REG.

An introductory course in expository writing.

0101 (07797) STAFF Meets 9:30am-10:50am (SOH 1103)

0102 (07798) STAFF MW 6:00pm-9:15pm (SOH 2119)

0103 (07799) STAFF Meets 11:00am-12:20pm (SOH 1121)

0104 (07800) STAFF TuTh 6:00pm-9:15pm (SOH 1101)

An introductory course in academic writing.

ENGL101X Introduction to Writing (3) REG.

For students for whom English is a second language.

0101 (07825) STAFF Meets 9:30am-10:50am (SOH 1105)

0102 (07826) STAFF Meets 9:30am-10:50am (SOH 2122)

ENGL205 Introduction to Shakespeare (3) REG/P-F/AUD.

Core: Literature (HU) Recommended for non-majors. Reading of representative works: Genre, action, character, theme, language, and staging. Shakespeare's relation to Renaissance culture.

0101 (07836) Lenwood, I. MW 6:00pm-9:15pm (SOH 1107)

ENGL222 American Literature: 1865 to Present (3) REG/P-F/AUD.

Core: Literature (HU) Surveys American writing from the Civil War through the Cold War. Authors such as Clemens, Frost, Hurston, Bellows

0101 (07846) Bauer, R MW 6:00pm-9:15pm (SOH 1117)

ENGL234 Introduction to African-American Literature
(3) REG/P-F/AUD.

CORE: Literature (HL) DIVERSITY A survey of African-American literature from the late eighteenth century to the present

0101 (07857) Taylor, D. TuTh 9:00am-12:15pm (SQH 11119)

ENGL243 Introduction to Poetry
(3) REG/P-F/AUD.

CORE: Literature (HL) How poetry works. Focus on style, subject, rhythm, voice, technique and structure. Readings from a range of cultures and communities

0101 (07878) DiMarco, A. TuTh 1:00pm-4:15pm (SQH 11101)

ENGL250 Introduction to Literature by Women
(3) REG/P-F/AUD.

CORE: Literature (HL) DIVERSITY Also offered as WMST 255. Credit will be granted for only one of the following: ENGL 250 or WMST 255. Images of women in literature by and about women.

0101 (07889) Orlando, E. TuTh 9:00am-12:15pm (SQH 11210)

ENGL277 Mythologies: An Introduction
(3) REG/P-F/AUD.

CORE: Literature (HL) Introduction to the myths of Europe, Asia, Oceania, the Middle East, Africa and North and South America.

0101 (07900) Dickson, N. MW 1:00pm-4:15pm (SQH 11101)

ENGL278F The Blues Tradition: African-American Folk and Popular Song
(3) REG/P-F/AUD.

CORE: Humanities (HO) DIVERSITY

0101 (07910) Pearson, B. MW 6:00pm-9:15pm (SQH 11103)

ENGL278S The American Short Story in Its World Context
(3) REG/P-F/AUD.

CORE: Literature (HL)

0101 (07920) Cross, R. MW 1:00pm-4:15pm (SQH 11211)

ENGL312 Romantic to Modern British Literature
(3) REG

Detailed study of selected major texts from the 19th and 20th centuries. Transitions from Romanticism to Victorian age to Modernism. Historical, social, literary contexts. Issues such as rise of democracy; industrial revolution; the "woman question"; revolutions in literary form. Authors might include Wordsworth, Austen, Dickens, Arnold, T.S. Eliot, Woolf.

0101 (07940) Auchard, J. MW 6:00pm-9:15pm (SQH 11119)

ENGL313 American Literature
(3) REG.

Prerequisite: two lower-level English courses, at least one in literature, or permission of department. A detailed study of selected major texts of American literature from the Seventeenth Century to the Twentieth Century. Issues such as race, gender, and regionalism. Authors such as Franklin, Hawthorne, Dickinson, Hemingway, and Morrison.

0101 (07951) Morrison, S. MW 1:00pm-4:15pm (SQH 11103)

ENGL348A Literary Works by Women: Women in the Plantation Household
(3) REG/P-F/AUD.

DIVERSITY

0101 (07961) Ryan, L. TuTh 6:00pm-9:15pm (SQH 11117)

ENGL379E Special Topics in Literature: Film Analysis - The Rhetoric of Fictional Worlds
(3) REG.

0101 (07981) Miller, J. TuTh 6:30pm-10:00pm (SQH 11210)

ENGL379P Special Topics in Literature: Science Fiction and Horror Film
(3) REG/P-F/AUD.

0101 (07992) Kalker, R. TuTh 1:00pm-4:15pm (SQH 11210)

ENGL391 Advanced Composition
(3) REG.

Prerequisite: 56 hours of college credit which must include ENGL 101 or equivalent. An advanced composition course which emphasizes constructing written arguments accommodated to real audiences

0105 (08012) STAFF. M TuWThF 11:00am-12:20pm (SQH 1107)

0107 (08013) STAFF. MW 6:00pm-9:15pm (SQH 1123)

0108 (08014) STAFF. TuTh 6:00pm-9:15pm (SQH 1107)

ENGL392 Advanced Composition: Pre-Law
(3) REG/P-F/AUD.

Prerequisite: 56 hours of college credit which must include ENGL 101 or equivalent. Techniques of argumentation and persuasion. Intensive practice to help writers achieve stylistic flexibility and correctness.

0101 (08028) STAFF. M TuWThF 9:30am-10:50am (SQH 11211)

ENGL393 Technical Writing
(3) REG.

Prerequisite: 56 hours of college credit which must include ENGL 101 or equivalent. The writing of technical papers and reports.

0102 (08038) STAFF. M TuWThF 9:30am-10:50am (SQH 11119)

0103 (08039) STAFF. M TuWThF 9:30am-10:50am (SQH 11111)

0105 (08040) STAFF. M TuWThF 11:00am-12:20pm (SQH 1123)

0108 (08041) STAFF. MW 6:00pm-9:15pm (SQH 11111)

0109 (08042) STAFF. MW 6:00pm-9:15pm (SQH 2122)

0112 (08043) STAFF. TuTh 6:00pm-9:15pm (SQH 2121)

0113 (08044) STAFF. TuTh 6:00pm-9:15pm (SQH 1123)

ENGL393X Technical Writing
(3) REG.

Prerequisite: 56 hours of college credit which must include ENGL 101 or equivalent. For students for whom English is a second language.

0101 (08061) STAFF. M TuWThF 9:30am-10:50am (SQH 2121)

0102 (08062) STAFF. TuTh 6:00pm-9:15pm (SQH 11111)

0103 (08063) STAFF. M TuWThF 9:30am-10:50am (SQH 2117)

ENGL394 Business Writing
(3) REG.

Prerequisite: 56 hours of college credit which must include ENGL 101 or equivalent. Intensive practice in the forms of written communication common in the business world—letters, memos, short reports, and proposals. Principles of rhetoric and effective style. This course satisfies the junior English requirement.

0101 (08076) STAFF. M TuWThF 8:00am-9:20am (SQH 11211)

0102 (08077) STAFF. M TuWThF 9:30am-10:50am (SQH 1123)

0103 (08078) STAFF. M TuWThF 11:00am-12:20pm (SQH 11119)

0104 (08079) STAFF. MW 6:00pm-9:15pm (SQH 2121)

0105 (08080) STAFF. TuTh 6:00pm-9:15pm (SQH 11211)

0106 (08081) STAFF. M TuWThF 9:30am-10:50am (SQH 1117)

0107 (08082) STAFF. TuTh 6:00pm-9:15pm (SQH 1105)

ENGL395 Writing for Health Professions
(3) REG.

Prerequisite: 56 hours of college credit which must include ENGL 101 or equivalent. Focus on accommodating technical material and empirical studies to lay audiences, and helping writers to achieve stylistic flexibility and correctness

0101 (08097) Doyle, A. M TuWThF 9:30am-10:50am (SQH 1101)

ENGL399 Senior Seminar: Irish Renaissance
(3) REG/P-F/AUD.

0101 (08107) Lozeux, E. TuTh 6:00pm-9:15pm (SQH 2119)

ENGL429 Independent Research in English (PermReq)
(1-6) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number

ENGL433 American Literature: 1914 to the Present, the Modern Period
(3) REG/P-F/AUD.

Prerequisite: two English courses in literature or permission of department. Modernism, Postmodernism. Writers such as Stevens, Stein, Ellison.

0101 (08139) Chuh, K. TuTh 1:00pm-4:15pm (SQH 1117)

ENGL489E Special Topics in English Language: Gender and Language
(3) REG/P-F/AUD.

0101 (08169) Hornyak, J. TuTh 1:00pm-4:15pm (SQH 1107)

ENGL628 Readings in African American Literature
(3) REG/AUD.

0101 (08209) Fry, G. MW 6:00pm-9:15pm (SQH 1105)

ENGL699 Independent Study (PermReq)
(1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number

ENGL719 Seminar in Renaissance Literature
(3) REG/AUD.

0101 (08221) Donwerth, J. TuTh 6:00pm-9:15pm (KEY 0119)

ENGL799 Master's Thesis Research
(1-6) REG

Individual instruction course: contact department or instructor to obtain section number

ENGL899 Doctoral Dissertation Research
(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number

ENMA Engineering, Materials

(ENGINEERING)

ENMA499 Senior Laboratory Project (PermReq)
(1-3) REG/P-F/AUD.

0101 (08284) Wilson, D. Time and room to be arranged

ENMA698 Special Problems in Materials Science and Engineering
(1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number

ENMA799 Master's Thesis Research (PermReq)
(1-6) REG

Individual instruction course: contact department or instructor to obtain section number

ENMA899 Doctoral Dissertation Research (PermReq)
(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number

ENME Engineering, Mechanical

(ENGINEERING)

ENME222 Thermodynamics
(3) REG/P-F/AUD.

Prerequisite: PHYS 262. Introduction to thermodynamics. Thermodynamic properties of matter. First and second law of thermodynamics, cycles, reactions, and mixtures.

0101 (08350) STAFF. M TuWTh 9:00am-10:40am (CHA 2201)

ENME320 Thermodynamics
(3) REG/P-F/AUD.

Prerequisites: MATH 141, and PHYS 262. The properties, characteristics and fundamental equations of gases and vapors. Application of the first and second laws of thermodynamics in the analysis of basic heat engines, air compression vapor cycles. Flow and non-flow processes for gases and vapors.

0101 (08360) STAFF. M TuWTh 9:00am-10:40am (EGR 0110)

ENME331 Fluid Mechanics
(3) REG/P-F/AUD.

Prerequisites: ENME 252 and PHYS 263. Principles of fluid mechanics. Mass, momentum and energy conservation. Hydrostatics. Control volume analysis. Internal and external flow. Boundary layers. Modern measurement techniques. Computer analysis. Laboratory experiments.

0101 (08370) STAFF. TuTh 12:30pm-2:50pm (EGR 0108)

ENME351 Electronics and Instrumentation II
(3) REG/P-F/AUD.

Prerequisites: ENME 252 and PHYS 263. Continuation of ENME 252. Modern instrumentation. Basic circuit design, standard micro-electronic circuits. Digital data acquisition and control. Signal conditioning. Instrumentation interfacing. Designing and testing of analog circuits. Laboratory experiments.

0101 (08380) STAFF. MW 12:30pm-2:30pm (EGR 0110)

MW 2:40pm-4:40pm (EGR 0110) Lab

0102 (08381) STAFF. MW 12:30pm-2:30pm (EGR 0110)

MW 4:45pm-6:45pm (EGR 0110) Lab

ENME361 Vibration, Controls and Optimization I
(3) REG/P-F/AUD.

Prerequisites: ENES 221 and ENES 220 and MATH 246. Fundamentals of vibration, controls and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical description of system response, system stability, control and optimization. Optimal design of mechanical systems.

0101 (08391) Codes, D. M TuWTh 8:00am-9:40am (EGR 3108)

SESSION I

ENME488 Special Problems (PermReq)

(3) REG/P-F/AUD.
0101 (08401) Anone, S. Time and room to be arranged

ENME489T Special Topics in Mechanical Engineering: Turbomachinery (3) REG/P-F/AUD

0101 (08412) Marks, C. MtuWTh 10:00am-11:40am (EGR 2112)

ENME799 Master's Thesis Research (1-6) REG.

0101 (08422) diMarzo, M. Time and room to be arranged

ENME808 Advanced Topics in Mechanical Engineering (3) REG/AUD.

0101 (08433) diMarzo, M. Time and room to be arranged

ENME899 Doctoral Dissertation Research (1-8) REG.

0101 (08444) diMarzo, M. Time and room to be arranged

ENNU Engineering, Nuclear

(ENGINEERING)

ENNU310 Environmental Aspects of Nuclear Engineering (3) REG/P-F/AUD.

Prerequisites: (MATH 241 or MATH 246, and PHYS 263) or permission of both department and instructor. Evaluation of environmental and safety aspects of nuclear power reactors. Calculators of radioactive decay, activation, and shielding, radionuclide monitoring. Biological effects of radiation, waste handling, siting, plant design and operations, as related to environment safety and licensing regulations.

0101 (08495) Partner, G. MtuWTh 9:00am-10:40am (CHE 2116)

ENNU468 Research (2-3) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENNU648 Special Problems in Nuclear Engineering (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENNU799 Master's Thesis Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENNU899 Doctoral Dissertation Research (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENPM Engineering, Professional Masters

(ENGINEERING)

ENPM627 Risk Assessment for Environmental Compliance (3) REG/AUD

Fundamentals of environmental protection. Risk identification, characterization, assessment and management in compliance programs related to environmental laws and regulations. Resource Conservation and Recovery Act, Toxic Substances Control Act and Clean Water Act. Technology based on Clean Air Act and Superfund and options for compliance. Expert systems for environmental applications. Elements of life cycle in analysis risk assessment. Risk reduction through multimedia emission evaluation and voluntary programs.

0101 (08562) STAFF
Meets 06/02/99-07/21/99 MW 5:30pm-8:10pm (EGR 2112)

ENPM808 Advanced Topics in Engineering (1-3) REG/AUD.

0101 (08572) STAFF Time and room to be arranged

ENPM808F Advanced Topics in Engineering: Applied Finite Element Methods (3) REG/AUD.

0101 (08583) Etheridge, J.
Meets 06/02/99-07/21/99 MW 5:30pm-8:10pm (EGR 1102)

ENPM808G Advanced Topics in Engineering: Engineering Applications of Maxwell's Equations (3) REG/AUD.

0101 (08593) STAFF
Meets 06/01/99-07/15/99 TuTh 5:30pm-8:10pm (EGR 2112)

ENRE Reliability Engineering

(ENGINEERING)

ENRE467 System Safety Engineering (3) REG/P-F/AUD.

Prerequisites: MATH 246 and PHYS 263 or permission of department. Role of system safety, the language of system safety, and programs for achieving safety such as the problem solving process, safety criteria, safety descriptions, checklists, failure modes, safety timing, hazard analysis, and uncertainty in safety measurements. Time-phased indicators, hazard nomenclature, hazard mode and effect analysis, hazard classification, hazard probability, survival rate, distributions applied to human performance.

0101 (08646) Allcock, M.
Meets 06/03/99-08/19/99 Th 5:30pm-8:30pm (TV 1100)

ENRE648 Special Problems in Reliability Engineering (PermReq) (1-6) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ENRE674 Failure Mechanisms and Effects Laboratory (PermReq) (3) REG/AUD.

Prerequisite: ENRE 600 or permission of instructor. Techniques for studying failure analysis, corrosion and corrosion protection, statistical process control, mechanical failure mode analysis, failure reporting and corrective action systems, and environmental stress screening.

0101 (08671) STAFF Time and room to be arranged

ENRE799 Master's Thesis Research (1-6) REG/S-F.

Individual instruction course: contact department or instructor to obtain section number.

ENRE899 Doctoral Dissertation Research (1-8) REG/S-F.

Individual instruction course: contact department or instructor to obtain section number.

ENSE Systems Engineering

(ENGINEERING)

ENSE799 Systems Engineering Thesis: Master's Thesis Rsrch (PermReq) (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

Contact Systems Engineering Office, Rm. 2172 A. V. Williams Bldg. to make arrangements.

ENTM Entomology

(LIFE SCIENCES)

ENTM399 Special Problems (1-2) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ENTM699 Advanced Entomology (1-6) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ENTM789 Field Experience in Pest Management (1-6) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ENTM799 Master's Thesis Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENTM899 Doctoral Dissertation Research (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENTS Telecommunications

(ENGINEERING)

ENTS609 Telecommunications Project (3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

FMST Family Studies

(HEALTH AND HUMAN PERFORMANCE)

FMST298F Special Topics in Family Studies: Future of Families (3) REG/P-F/AUD.

0101 (08943) Letecka, B. MW 6:00pm-9:20pm (MMH 1304)

FMST330 Family Theories and Patterns (3) REG/AUD.

Junior standing. Formerly FMCO 330. Theory and research on the family, including a cross-cultural analysis of family patterns.

0101 (08953) Dargan, V. MW 9:30am-12:50pm (MMH 1304)

FMST332 Children in Families (3) REG/P-F/AUD.

Prerequisite: FMST 105 or PSYC 100. Formerly FMCO 332. A family life education approach to the study of children and families. Emphasis on the interaction of children with parents, siblings, extended kin, and the community.

0101 (08964) Millstein, F. TuTh 9:30am-12:50pm (MMH 1304)

FMST383 Delivery of Human Services to Families (3) REG/P-F/AUD.

Prerequisite: FMST 330. Formerly FMCO 383. Processes of service delivery with special emphasis upon relationships among managers, service providers and clients. The impact of human service systems on families.

0101 (08995) Wollen, J. MW 9:30am-12:50pm (MMH 1108A)

FMST386 Experiential Learning (PermReq) (3-6) REG/P-F.

Individual instruction course: contact department or instructor to obtain section number. *Prerequisite:* permission of department. 5-6 semester hours.

FMST399 Independent Study (PermReq) (1-6) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number. Individualized family and community studies projects of interest to student and faculty.

FMST431 Family Crises and Intervention (3) REG/P-F/AUD.

Prerequisite: PSYC 100. Family crises such as divorce, disability, substance abuse, financial problems, intrafamilial abuse, and death. Theories and techniques for intervention and enhancement of family coping strategies.

0101 (09009) Epstein, N. TuTh 2:00pm-5:20pm (MMH 1304)

FMST460 Violence in Families (3) REG/P-F/AUD.

Prerequisite: PSYC 100 or SOCY 100 or SOCY 105. Theories of child, spouse, and elder abuse in the family setting. Emphasis on historical, psychological, sociological and legal trends related to physical, emotional, and sexual abuse. Introduction to methods for prevention and remediation.

0101 (09020) Letecka, B. MW 2:00pm-5:20pm (MMH 1304)

FMST477 Internship and Analysis in Family Studies (3) REG/P-F/AUD.

Prerequisites: FMST 383, plus an additional six FMST credits and permission of department. For FMST majors only. Credit will be granted for only one of the following: FMST 477 or FMST 347. A supervised internship and a seminar requiring analysis. Opportunities to integrate theory and practice including 120 hours of contracted field experience. Summer/fall internship contracts due May 1; Spring contracts due December 1. See department for application procedures.

0101 (09030) Millstein, F.
Meets 06/01/99-08/17/99 To 2:00pm-5:20pm (MMH 1018)

Meets on alternate Tuesdays. A planned, supervised internship complemented by analysis. Opportunities to integrate theory and practice. Field experience requires minimum of 120 hours per semester.

FMST487 Legal Aspects of Family Problems (3) REG/P-F/AUD.

Laws and legal procedures, with emphasis on adoption, marriage, divorce, annulment, and property rights, and how they affect family life.

0101 (09040) Myrnicks, N. TuTh 2:00pm-5:20pm (MMH 1400)

FMST497 The Child and the Law (3) REG/P-F/AUD.

Legislation and case law regarding children's legal rights with emphasis on the rights of children in the juvenile justice system, and rights to medical, educational, and other social services.

0101 (09051) Myrnicks, N. MW 2:00pm-5:20pm (MMH 1400)

FMST498 Special Topics (PermReq) (1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

Individual family studies instruction course on topics of interest to student and faculty.

FMST498S Special Topics: Sexuality: Issues in Family Therapy and Service Delivery (3) REG/P-F/AUD.

0101 (09072) Epstein, N. TuTh 9:30am-12:50pm (MMH 1108A)

FMS1645 Sexuality: Issues in Family Therapy and Service Delivery
(3) REG/AUD.

Prerequisite: a basic course in human sexuality and permission of instructor. Typical, dysfunctional, and pathological sexual functioning: effects on individuals, couples, and family systems. Sensitizes students to sexual issues, explores how perceptions or such issues affect work with people, and emphasizes implications for marriage and family therapy.

0101 (09082) Epstein, N. TuTh 9:30am-12:50pm (MMH 1108A)

FMS1650 Ethical, Legal, and Professional Principles in Marriage and Family Therapy (PermReq)
(3) REG/AUD.

Prerequisite: permission of department. Limited to students admitted to the family therapy program. An introduction to the basic principles and practices of family therapy. Emphasis on basic therapy skills applied to a family context and an professional ethics of the family practitioner. Addresses therapist's legal responsibilities and liabilities, certification, and licensure issues.

0101 (09092) Burdette, R. Time and room to be arranged

FMS1654 Clinical Marriage and Family Therapy Practice
(3) REG/AUD.

Prerequisite: FMS1 651. Limited to students admitted to the family therapy program. Application of theory and technique to the clinical practice of marriage and family therapy. Emphasis on case management and clinic administration. Includes completion of 12 successive months and 500 hours of supervised, direct client contact with couples, families, and individuals from an integrative family systems perspective.

0101 (09102) Weilmich, C. M. 8:00am-4:30pm (Anorged)

FMS1658 Supervised Clinical Practice of Marriage and Family Therapy
(1-3) S-F.

0101 (09112) Gaylin, N. W 9:00am-12:00pm (MMH 1310)

Time and room to be arranged. Dis

FMS1689 Internship (PermReq)
(3-6) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

Internship related to student's chosen specialization.

FMS1698 Advanced Topics in Family Studies (PermReq)
(1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

FMS1698T Advanced Topics in Family Studies: Innovations in Brief Strategic Family Therapy
(1-3) REG/AUD.

0101 (09127) STAFF Time and room to be arranged

FMS1698V Advanced Topics in Family Studies: Violence in Families
(3) REG/AUD.

0101 (09137) Letecka, B. MW 2:00pm-5:20pm (MMH 1304)

FMS1699 Independent Study
(1-6) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

FMS1758 Supervision of Marriage and Family Therapy Supervision
(1-3) REG/AUD

0101 (09149) STAFF TuTh 9:30am-12:50pm (MMH 1312)

FMS1789 Non-Thesis Research (PermReq)
(1) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

FMS1790 Marriage and Family Therapy Supervision
(3) REG/AUD.

Prerequisite: permission of department. Credit will be granted for only one of the following: FMS1 790 or FMS1 690. Theory and research in supervision of marriage and family therapy. Emphasis on major models, articulation of personal model, and demonstration of perceptual, conceptual, and executive skills in marriage and family therapy supervision. Designed to meet the didactic course component of the designation of Approved Supervisor of the American Association for Marriage and Family Therapy.

0101 (09160) STAFF F 8:00am-4:30pm (MMH 1312)

FMS1799 Master's Thesis Research
(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

FREN French

(ARTS AND HUMANITIES)

FREN101 Elementary French

(4) REG/P-F/AUD.

Not open to students with 2 or more years of high-school level French. Introduction to basic structures and pronunciation with emphasis on the four skills: listening, speaking, reading and writing.

0101 (09221) Scullen, M. TuWTh 9:00am-11:15am (JMZ 0202)

FREN103 Review of Elementary French

(4) REG/P-F/AUD.

Limited to students who have had at least two years of high-school French or equivalent or who do not qualify for FREN 203. Credit will be granted for only one of the following: FREN 101 / FREN 102 or FREN 103.

0101 (09241) Coski, R. MWTh 9:00am-12:00pm (JMZ 124)

FREN203 Intermediate French

(4) REG/P-F/AUD.

CORE: Humanities (HO). Completion of the study of basic grammatical structures, with readings, conversation, and composition. Fulfills the Arts and Humanities language requirement.

0101 (09252) Mufu, M. MtuWTh 9:00am-11:15am (JMZ 3120)

FREN211 Intermediate Conversation

(3) REG/P-F/AUD.

Not open to native speakers. *Prerequisite:* FREN 203 or permission of department. Practice in spoken French with emphasis on contemporary French topics.

0101 (09273) Moreth-Coski, B. MtuWTh 9:00am-10:45am (JMZ 3203)

Taught concurrently with FREN 311.

FREN311 French Conversation

(3) REG/P-F/AUD.

Prerequisite: any 200-level course in French above FREN 203 or permission of department. Not open to native speakers. Development of aural comprehension and oral expression through use of radio and television broadcasts.

0101 (09283) Moreth-Coski, B. MtuWTh 9:00am-10:45am (JMZ 3203)

Taught concurrently with FREN 211.

FREN386 Experiential Learning (PermReq)
(3-6) REG/P-F.

Individual instruction course: contact department or instructor to obtain section number. *Prerequisite:* permission of department. 56 semester hours.

FREN399 Directed Study in French (PermReq)
(1-3) S-F.

Individual instruction course: contact department or instructor to obtain section number.

FREN480 French Cinema: A Cultural Approach (in Translation)
(3) REG/P-F/AUD

Formerly FREN 475. A study of French culture, civilization, and literature through the medium of film. Taught in English.

0101 (09327) Frindethie, M. MWTh 6:00pm-8:15pm (JMZ 3120)

Taught concurrently with FREN 499M

FREN499M Special Topics in French Studies: Dimensions and Perspectives of Francophone African and Caribbean Cinema
(3) REG/P-F/AUD.

0101 (09337) Frindethie, M. MWTh 6:00pm-8:15pm (JMZ 3120)

Taught concurrently with FREN 480

FREN798 Master's Independent Study
(1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

FREN799 Master's Thesis Research
(1-3) REG.

Individual instruction course: contact department or instructor to obtain section number.

FREN898 Doctoral Independent Study
(3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

FREN899 Doctoral Dissertation Research
(1-4) REG.

Individual instruction course: contact department or instructor to obtain section number.

GEOG Geography

(BEHAVIORAL AND SOCIAL SCIENCES)

GEOG100 Introduction to Geography
(3) REG/P-F.

CORE: Behavioral and Social Science (SB). An introduction to the broad field of geography as it is applicable to the general education student. The course presents the basic rationale of variations in human occupancy of the earth and stresses geographic concepts relevant to understanding world, regional and local issues.

0101 (09404) Belle-Simms, N. TuTh 5:00pm-8:30pm (LEF 2205)

GEOG170 Maps and Map Use

(3) REG/P-F/AUD.

CORE: Mathematics or Formal Reasoning (MS). The use and interpretation of maps encountered in both "everyday" reading, and in scientific literature. Development of skills in map reading, environmental analysis, interpretation and orientation.

0101 (09414) Brodsky, H. TuTh 9:00am-12:30pm (LEF 1222)

GEOG347 Introduction to Biogeography
(3) REG/P-F/AUD.

Prerequisite: GEOG 201. Recommended: GEOG 217. The principles of biogeography, including the patterns, processes and distributions of living organisms from local to global scales, aspects of ecophysiology, population and community ecology and evolutionary biology. Spatial processes in the biosphere will be covered.

0101 (09454) Hoskett, J. MW 2:00pm-5:30pm (TD 1108)

GEOG350 The American City: Past and Present
(3) REG/P-F/AUD

Development of the American city from the early nineteenth century to the present. The internal structure of contemporary metropolitan areas, the spatial arrangement of residential, commercial, and other activities. Washington, D.C. and Baltimore examples.

0101 (09444) Zloch, M. TuTh 2:00pm-5:30pm (LEF 1222)

GEOG372 Remote Sensing
(3) REG/P-F/AUD.

Principles of remote sensing in relation to photographing, thermal infrared and radar imaging. Methods of obtaining quantitative information from remotely-sensed images. Interpretation of remotely-sensed images emphasizing the study of spatial and environmental relationships.

0101 (09474) Lindsay, F. MW 6:00pm-9:30pm (LEF 1221)

GEOG384 Internship in Geography

(PermReq)

(3) S-F

Individual instruction course: contact department or instructor to obtain section number. *Prerequisite:* GEOG 305, and GEOG 310, and permission of department. *Corequisite:* GEOG 385. Supervised field training to provide career experience. Introduction to professional level activities, demands, opportunities. Placement at a public agency, non-profit organization, or private firm. Participation requires application to the internship advisor or preceding semester.

GEOG385 Internship Research Paper

(PermReq)

(3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number. *Prerequisite:* GEOG 305, and GEOG 310, and permission of department. *Corequisite:* GEOG 384. Seminar conducted on campus. Research paper related to the student's internship.

GEOG456 The Social Geography of Metropolitan Areas
(3) REG/P-F/AUD.

A socio-spatial approach to human interaction with the urban environment; ways people perceive, define, behave in, and structure their cities and metropolitan areas. Spatial patterns of social activities as formed by the distribution and interaction of people and social institutions.

0101 (09516) Zloch, M. TuTh 6:00pm-9:30pm (LEF 1222)

GEOG498 Topical Investigations (PermReq)
(1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

GEOG788 Selected Topics in Geography
(PermReq)
(1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

GEOG789 Independent Readings (PermReq)
(1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number. Contact department to make arrangements.

GEOG790 Internship in Geography
(PermReq)
(3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number. Field experience in the student's specialty in a federal, state, or local agency or private business. Research paper required. Contact department to make arrangements.

GEOG799 Master's Thesis Research

(PermReq)

(1-6) REG

Individual instruction course: contact department or instructor to obtain section number.

SESSION I

GE06899 Doctoral Dissertation Research (PermReq) (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

GEOL Geology

(COMPUTER, MATHEMATICAL AND PHYSICAL SCIENCES)

GEOL100 Physical Geology (3) REG/P-F/AUD.

Credit will be granted for only one of the following: GEOL 100 or GEOL 103 or GEOL 105 or GEOL 107. A general survey of the rocks and minerals composing the earth, its surface features and the agents that form them, and the dynamic forces of plate tectonics. CORE Physical Science Laboratory (PL) Course only when taken concurrently with GEOL 110.

0101 (09667) McAllen, E. M TuWThF 9:30am-10:50am (KEY 0102)

GEOL110 Physical Geology Laboratory (1) REG/P-F/AUD.

Pre- or corequisite: GEOL 100 or GEOL 120. The basic materials and tools of physical geology stressing familiarization with rocks and minerals and the use of maps in geologic interpretations. CORE Physical Science Laboratory (PL) Course only when taken with GEOL 100.

0101 (09677) STAFF MW 12:00pm-3:00pm (GEO 2106) Lab

GEOL120 Environmental Geology (3) REG/P-F/AUD.

A review of geologic factors underlying many environmental problems and the interactions between population and physical environment: geologic hazards, land-use planning, conservation, mineral resources, waste disposal, land reclamation and the geologic aspects of health and disease. The course is aimed at lower division students in education and liberal arts, and should be useful to any student concerned with geologic perspectives of environmental problems.

0101 (09687) STAFF M TuWThF 9:30am-10:50am (JMP 3201)

GEOL499 Special Problems in Geology (PermReq) (1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

GEOL799 Master's Thesis Research (1-4) REG.

Individual instruction course: contact department or instructor to obtain section number.

GEOL899 Doctoral Dissertation Research (1-8) REG/S-F

Individual instruction course: contact department or instructor to obtain section number

GERM Germanic Studies

(ARTS AND HUMANITIES)

GERM101 Elementary German I (4) REG/P-F/AUD.

Formerly GERM 111. Introduction to basic structures and pronunciation by emphasis on the four skills: listening, speaking, reading and writing. Readings concern the current life-style and civilization of the German-speaking world.

0101 (09776) STAFF M TuWThF 11:00am-1:00pm (JMZ 3205)

GERM201 Intermediate German I (4) REG/P-F/AUD.

CORE. Humanities (HD) Prerequisite: GERM 102. Grammar review and greater mastery of vocabulary, idioms, conversational fluency, and compositional skills. Readings stress the current life-style and civilization of the German-speaking world.

0101 (09796) STAFF M TuWThF 11:00am-1:00pm (JMZ 3203)

GERM415 German/English Translation I (3) REG/P-F/AUD.

Does not fulfill major requirements in German. Not open to students who have completed GERM 101, GERM 102, GERM 201, GERM 202, GERM 301 or GERM 302. An intensive presentation of German grammar limited exclusively to reading skill; graded readings in the arts and sciences. Instruction in English; cannot be used to satisfy the arts and humanities foreign language requirement.

0101 (09816) Oster, R. M TuWTh 4:00pm-6:30pm (JMZ 3203)

GERM499 Directed Study: Directed Study in German (1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number

Contact instructor before registering.

GERM798 Master's Independent Study (1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

Contact instructor before registering.

GERM799 Master's Thesis Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

GERM898 Doctoral Independent Study (1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

GERM899 Doctoral Dissertation Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

GVPT Government and Politics

(BEHAVIORAL AND SOCIAL SCIENCES)

GVPT100 Principles of Government and Politics (3) REG/P-F/AUD.

CORE: Behavioral and Social Science (SB) A study of the basic principles and concepts of political science.

0101 (09885) Grant-Wisdom, D. TuW 9:00am-12:20pm (TYD 0111)

GVPT170 American Government (3) REG/P-F/AUD.

CORE: Behavioral and Social Science (SB) A comprehensive study of national government in the United States: national, state and local.

0101 (09896) Fisher, K. M Th 9:00am-12:20pm (TYD 0111)

GVPT200 International Political Relations (3) REG/P-F/AUD.

CORE: Behavioral and Social Science (SB) Prerequisite: GVPT 100 Formerly GVPT 300 A study of the major factors underlying international relations, the methods of conducting foreign relations, the foreign policies of the major powers, and the means of avoiding or alleviating international conflicts.

0101 (09907) Grant-Wisdom, D. TuW 1:30pm-4:50pm (TYD 1102)

GVPT241 The Study of Political Philosophy: Ancient and Modern (3) REG/P-F/AUD.

Prerequisite: GVPT 100 Examines some of the salient contributions and breaks between the ancient and modern traditions in Western political philosophy

0101 (09917) Allard, C. MW 6:30pm-9:50pm (TYD 0117)

GVPT282 The Government and Politics of the Third World (3) REG/P-F/AUD.

Prerequisite: GVPT 100 A study of the governmental institutions, processes and problems, and the socio-economic environment which are common to the great majority of the third world states of Africa, the Middle East, Asia, and Latin America, and in which internal politics develop.

0101 (09928) Lanning, E. MW 12:30pm-3:50pm (TYD 0111)

GVPT376 Applied Field Research in Government and Politics (PermReq) (3-6) S-F

Prerequisite: GVPT 170. Corequisite: GVPT 377. Students in this course participate as interns in an agency of government or in some other appropriate political organization. Assignments are arranged to provide students with insights into both theoretical and practical aspects of politics. Under the tutelage of the host agency and an academic adviser, students conduct a major research project of mutual interest to the student and his or her host agency in the field of government and politics.

0101 (09958) Lanning, E. Time and room to be arranged

GVPT377 Seminar For Academic Interns (PermReq) (3) REG/P-F/AUD.

Prerequisite: GVPT 170. Corequisite: GVPT 376. The application of major concepts of political science to the realities of the political process. Readings and discussion attempt to relate the experiences of the academic interns to appropriate literature on the subject of political decision-making.

0101 (09968) Lanning, E. Tu 12:30pm-3:50pm (TYD 0117)
Time and room to be arranged Dis

GVPT379A Topics in American Politics: African-American Politics (3) REG/P-F/AUD.

This course examines African American politics in the United States, both past and present, by analyzing the Black political struggle for freedom and the relationship between African Americans and traditional American political institutions. The course also discusses important aspects of Black political culture, including racial identity, rap music, and gender relations.

0101 (09978) Johnson, D. TuW 5:00pm-8:20pm (LEF 1220)

GVPT386 Experiential Learning (PermReq) (3-6) REG/P-F

Prerequisite: permission of department. 56 semester hours.

0101 (09988) STAFF Time and room to be arranged

GVPT388 Topical Investigations (PermReq) (1-3) REG/P-F/AUD.

0101 (09999) STAFF Time and room to be arranged

GVPT388A Topical Investigations: Analysis of Concepts and Filmic Images (3) REG/P-F/AUD.

0101 (10010) Glass, J. Time and room to be arranged
Requires concurrent registration in GVPT 3994A for a combined total of 6 credits. See course description under GVPT 3994.

GVPT396 Introduction to Honors Research (3) REG/P-F/AUD.

Prerequisite: admission to and permission of GVPT Honors Program. A required course for all honors students designed to emphasize library research, methodology, and writing skills in political science and political philosophy. A written proposal, bibliography and research design for an honors paper required of all students as a final project.

0101 (10020) STAFF Time and room to be arranged

GVPT397 Honors Research (3) REG/P-F/AUD.

Prerequisite: GVPT 396 and admission to GVPT honors program. Individual reading and research. Preparation of an original paper.

0101 (10030) STAFF Time and room to be arranged

GVPT399A Seminar in Government and Politics: Films and the Politics of the Family (3) REG/P-F/AUD.

May be taken concurrently with GVPT 388A for a total of 6 credits.

Survey of films to understand the politics of the family. Emphasis on families, their struggles over power, the effects of loneliness, despair and disintegration, and the politics implicit in these emotional realities.

0101 (10040) Glass, J. Meets 06/01/99-06/18/99 M TuWThF 1:30pm-4:50pm (JMZ 0220)

GVPT432 Civil Rights and the Constitution (3) REG/P-F/AUD.

Prerequisite: GVPT 231. A study of civil rights in the American constitutional context, emphasizing freedom of religion, freedom of expression, minority discrimination, and the rights of defendants.

0101 (10060) Feinstein, H. MW 9:00am-12:20pm (TYD 1108)

GVPT473 Legislatures and Legislation (3) REG/P-F/AUD.

Prerequisite: GVPT 170. A detailed survey of lawmaking and the legislative process, emphasizing the U.S. Congress and its members.

0101 (10080) Usolner, E. TuTh 12:30pm-3:50pm (TYD 1108)

GVPT898 Readings in Government and Politics (3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

GVPT899 Doctoral Dissertation Research (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

HESP Hearing and Speech Sciences

(BEHAVIORAL AND SOCIAL SCIENCES)

HESP205 Anatomy and Physiology of the Speech Mechanism (3) REG/P-F/AUD.

Prerequisite: HESP 202. Anatomy, physiology, and neurology of speech mechanism.

0101 (10151) McCall, G. MWF 2:00pm-4:15pm (PES 1117)

HESP311 Anatomy, Pathology and Physiology of the Auditory System (3) REG/P-F/AUD.

Prerequisite: HESP 202. Gross anatomy of the ear and pathways for transmission of sound energy through the peripheral and central auditory system. Causes, development and effects of pathological conditions contributing to temporary or chronic hearing impairments.

0101 (10161) Needleman, A. MWF 8:00am-11:30am (JRN 1105)

HESP386 Experiential Learning (PermReq) (3-6) REG/P-F

Individual instruction course: contact department or instructor to obtain section number. Prerequisite: permission of department. 56 semester hours

HESP400 Speech and Language Development in Children (3) REG/P-F/AUD.

Prerequisite: HESP 300. Analysis of the normal processes of speech and language development in children.

0101 (10173) Roth, F MW 11:00am-1:15pm (LEF 1220)

HESP402 Speech Pathology I (3) REG/P-F/AUD.

Prerequisite: HESP 400. Etiology, assessment and treatment of language and phonological disorders in children.

0101 (10183) Roth, F. MW 2:00pm-4:25pm (LEF 1201)

HESP403 Introduction to Phonetic Science (3) REG/P-F/AUD.

Prerequisite: HESP 305. An introduction to physiological, acoustic and perceptual phonetics, voiced and unvoiced phonetic transcription, current models of speech production and perception.

0101 (10193) Walker, M. MW 2:00pm-4:25pm (TYO 1128)

HESP404 Speech Pathology II (3) REG/P-F/AUD.

Prerequisite: HESP 305. Etiology, assessment and therapeutic management of phonation, resonance, and fluency disorders in children and adults.

0101 (10203) GowenBaker, D. MW 1:00pm-3:45pm (LEF 1222)

HESP498A Seminar: Deafness and Sign Language (3) REG/P-F/AUD.

0101 (10233) Kinsella-Meier, M. MW 5:00pm-8:20pm (LEF 0135)

HESP498B Seminar: Phonetics for Teachers of English as a Second Language (3) REG/P-F/AUD.

0101 (10243) Winesinghe, R. MW 9:30am-12:50pm (LEF 1222)

HESP499 Independent Study (PermReq) (1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

HESP635 Aural Rehabilitation/Habilitation (3) REG/AUD.

Principles, methods and procedures for aural rehabilitation/habilitation in children and adults.

0101 (10255) Balfow, P. MW 3:00pm-6:20pm (LEF 2208)

HESP638 Research Practicum: Minor Research Problems (1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

HESP639C Special Topics in Hearing and Speech Sciences: Educational Speech - Language Pathology: Traditional and Alternative Assessment Practices (3) REG/AUD.

0101 (10277) Tiroa, G. TuTh 4:00pm-7:00pm (PLS 1180)

HESP639M Special Topics in Hearing and Speech Sciences: Current Trends in Fluency (1) REG/AUD.

0101 (10287) Siskin, V. Meets 06/01/99-06/11/99. MtuWThF 2:00pm-4:00pm (LEF 0135)

HESP684A Clinical Practice in Speech: Diagnostic Practice in Speech (PermReq) (1-2) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

HESP688 Clinical Practice in Speech (1-2) REG/AUD.

0101 (10298) STAFF. Time and room to be arranged

HESP649 Clinical Practice in Audiology (PermReq) (1-2) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

HESP708 Independent Study (1-6) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

HESP799 Master's Thesis Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

HESP899 Doctoral Dissertation Research (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

HISP Historic Preservation

(ARCHITECTURE)

HISP619 Special Topics in Historic Preservation (PermReq) (3) REG/AUD.

0101 (10373) Flock, J. Time and room to be arranged

HISP700 Final Seminar in Historic Preservation (3) REG/AUD.

Critical evaluation of project, portfolio, or fieldwork on which the students have been working throughout the program; a synthesis of historic preservation process and achievements with special focus on careers in the field.

0101 (10416) Flock, J. Time and room to be arranged

HIST History

(ARTS AND HUMANITIES)

HIST111 The Medieval World (3) REG/P-F/AUD.

CORE: Social or Political History (SH) Formerly HIST 131. The development of Europe in the Middle Ages; the role of religious and in shaping new social, economic, and political institutions, medieval literature, art and architecture.

0101 (10467) Rotenberg, J. MtuWThF 11:00am-12:20pm (KEY 0116)

HIST113 Modern Europe: 1789 - Present (3) REG/P-F/AUD.

CORE: Social or Political History (SH) Formerly HIST 133. Evolution of modern nation states. Industrial-economic structure and demography. Emergence of modern secular society.

0101 (10487) Wetzell, R. MtuWThF 9:30am-10:50am (KEY 0126)

HIST156 History of the United States to 1865 (3) REG/P-F/AUD.

CORE: Social or Political History (SH) The United States from colonial times to the end of the Civil War. Establishment and development of American institutions.

0101 (10497) Hazel, J. MtuWThF 9:30am-10:50am (KEY 0103)

HIST157 History of the United States Since 1865 (3) REG/P-F/AUD.

CORE: Social or Political History (SH) The United States from the end of the Civil War to the present. Economic, social, intellectual, and political developments. Rise of industry and emergence of the United States as a world power.

0101 (10508) Smeed, E. MtuWThF 11:00am-12:20pm (KEY 0126)

HIST210 Women in America to 1880 (3) REG/P-F/AUD.

CORE: Social or Political History (SH) DIVERSITY Also offered as HIST 210. Credit will be granted for only one of the following HIST 210 or HIST 210. An examination of the economic, family and political roles of colonial, slave, immigrant and frontier women in America from pre-industrial colonial period through the early stages of nineteenth century industrialization and urbanization.

0101 (10519) Lyons, C. MW 6:00pm-9:15pm (KEY 0126)

HIST306 History of Religion in America (3) REG/P-F/AUD.

A history of religion, religious movements, and churches in America from the early colonial period to the present, with special attention to the relation of church and society.

0101 (10539) Broadbury, M. MtuWThF 9:30am-10:50am (KEY 0116)

HIST353 America in the Revolutionary Era, 1763-1815 (3) REG/P-F/AUD.

Credit will be granted for only one of the following HIST 353 or HIST 361. The background and course of the American Revolution and early nationhood through the War of 1812. Emphasis on how the Revolution shaped American political and social development, the creation of a new government under the Constitution, and the challenges facing the new nation.

0101 (10569) Ridgway, W. MW 6:00pm-9:15pm (KEY 0116)

HIST386 Experiential Learning (PermReq) (3-6) REG/P-F.

Prerequisite: permission of department. 56 semester hours.

0101 (10599) Flock, J. Time and room to be arranged

HIST419A Special Topics in History: Field Work Analysis (PermReq) (3) REG/P-F/AUD.

0101 (10611) Holm, K. Time and room to be arranged

HIST463 History of the Old South (3) REG/P-F/AUD.

The golden age of the Chesapeake, the institution of slavery, the frontier south, the antebellum plantation society, the development of regional identity and the experiment in independence.

0101 (10642) West, S. MtuWThF 11:00am-12:20pm (KEY 0103)

HIST473 History of the Caribbean (3) REG/P-F/AUD.

DIVERSITY Offers a concise introduction to the history of the Caribbean regions from the Columbian voyages to the 20th Century. Special emphasis is given to the dynamics of local social and cultural formations within the framework of the "Political and Economic History of the Atlantic World."

0101 (10662) Palma, S. TuTh 6:00pm-9:15pm (KEY 0102)

HIST499 Independent Study: Field Work in Israel (PermReq) (1-3) REG/P-F/AUD.

0101 (10673) Holm, K. Time and room to be arranged

HIST499A Independent Study (PermReq) (1-3) REG/P-F/AUD.

0101 (10684) STAFF. Time and room to be arranged

HIST619A Special Topics in History: Field Work Analysis (1-3) REG/AUD.

0101 (10696) Holm, K. Time and room to be arranged

HIST619B Special Topics in History: Independent Study (PermReq) (1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

HIST799 Master's Thesis Research (PermReq) (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

HIST899 Doctoral Dissertation Research (PermReq) (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

HLTH Health

(HEALTH AND HUMAN PERFORMANCE)

HLTH106 Drug Use and Abuse (3) REG/P-F/AUD.

An interdisciplinary analysis of contemporary drug issues and problems. The course will examine physiological, psychological, social, philosophical, historical, legal and health aspects of drug use and abuse. Special attention will be focused on those general motivations for drug use that attend life on the college campus.

0101 (10762) Guan, L. MtuWThF 12:30pm-1:50pm (HHP 1301)

HLTH140 Personal and Community Health (3) REG/P-F/AUD.

Meaning and significance of physical, mental and social health as related to the individual and to society; important phases of nature of health problems; constructive methods of promoting health of the individual and the community.

0101 (10773) Porter, A. MtuWThF 9:30am-10:50am (HHP 1303)

HLTH150 First Aid and Emergency Medical Services (2) REG/P-F/AUD.

Lecture, demonstration and training in emergency care, including cardiopulmonary resuscitation, hemorrhage control, shock, poisons and bone injury treatment and childbirth. American Red Cross and Heart Association of Maryland Certification awarded.

0101 (10784) Torchia, I. TuWTh 10:00am-11:50am (HHP 0302)

0102 (10785) Torchia, I. TuWTh 7:00pm-8:50pm (HHP 0302)

HLTH285 Controlling Stress and Tension (3) REG/P-F/AUD.

Health problems related to stress and tension. Analysis of causative psycho-social stressors and intervening physiological mechanisms. Emphasis on prevention and control of stress through techniques such as biofeedback, meditation and neuromuscular relaxation.

0101 (10797) Greenberg, J. MtuWThF 9:30am-10:50am (HHP 1301)

Section 0101 includes a service learning component. Learning will be enhanced by students applying knowledge and skills learned in the class to people in need of this expertise. In turn, people in need will benefit from this service.

HLTH289 Topical Investigations (1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number. Contact department to make arrangements.

HLH377 Human Sexuality

(3) REG/P-F/AUD.

Formerly HLH 477. The biological and developmental aspects of human sexuality, the psychological and emotional aspects of sexual behavior; sexual identity, the historical, cultural, social, linguistic, legal and moral forces affecting sexual issues, the importance of communication, disclosure and intimacy in interpersonal relationships, and research trends in the area of human sexuality

0101 (10809) Sawyer, R. MtuWThF 11:00am-12:20pm (HHP 1312)
0102 (10810) Miller, L. MW 5:45pm-9:15pm (HHP 1303)

Section 0102 includes a service learning component. Learning will be enhanced by students applying knowledge and skills learned in the class to people in need of the this expertise. In turn, people in need will benefit from this service.

HLH386 Experiential Learning (PermReq)

(3) 6) REG/P-F.

Individual instruction course: contact department or instructor to obtain section number. Prerequisite: permission of department. 56 semester hours. Contact department to make arrangements.

HLH389 Topical Investigations

(1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number. Contact department to make arrangements.

HLH391 Introduction to Community Health (PermReq)

(3) REG/P-F/AUD.

Prerequisites: HLTH 140 and HLTH 230. Broad overview of community health: Health promotion, consumer health, public health, school health, environmental health, preventive medicine, human biology and the health care system are examined. Each area's contribution to community health is discussed.

0101 (10823) Desmond, S. MtuWThF 1:00pm-2:20pm (HHP 0307)

HLH420 Methods and Materials in Health Education (PermReq)

(3) REG/P-F/AUD.

Prerequisites: HLTH 105 or HLTH 140. The purpose of this course is to present the interrelationships of curriculum planning, methodology and the selection and use of teaching aids and materials. Special problems associated with health teaching are discussed. Students become familiar with a variety of resources as well as planning for and presenting demonstration lessons.

0101 (10833) Sawyer, R. MtuWThF 9:30am-11:00am (HHP 0305)

HLH437 Consumer Behavior

(3) REG/P-F/AUD.

Prerequisites: PSYC 100; and SOCY 100. Credit will be granted for only one of the following: CNEC 437 or HLTH 437. An application of the behavioral sciences to a study of consumer behavior. Current theories, models and empirical research findings are explored.

0101 (10843) Brown, S. MtuWTh 12:30pm-2:00pm (HHP 0302)

HLH471 Women's Health

(3) REG/P-F/AUD.

DIVERSITY Also offered as WMST 471. Credit will be granted for only one of the following: HLTH 471 or WMST 471. The women's health movement from the perspective of consumerism and feminism. The physician-patient relationship in the gynecological and other medical settings. The gynecological exam, gynecological problems, contraception, abortion, pregnancy, breast and cervical cancer and surgical procedures. Psychological aspects of gynecological concerns.

0101 (10853) Desmond, S. MtuWThF 11:00am-12:20pm (HHP 1303)
0102 (10854) Hellmuth, M. MW 5:30pm-9:00pm (HHP 1301)

HLH489 Field Laboratory Projects and Workshop (PermReq)

(1-6) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number. Contact department to make arrangements.

HLH498A Special Topics in Health: Massage Therapy

(3) REG/P-F/AUD.

0101 (10868) Gilbert, G. MW 5:00pm-8:45pm (HHP 0301)

HLH498X Special Topics in Health: AIDS Education

(3) REG/P-F/AUD.

0101 (10878) Miller, L. TuTh 5:45pm-9:15pm (HHP 1301)

HLH688 Special Problems in Health Education

(1-6) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number. Contact department to make arrangements.

HLH785 Internship in Health Education

(3) REG/AUD.

Prerequisites: (HLTH 665, and HLTH 775, and HLTH 780); or permission of department. The application of previously acquired skills and knowledge to the planning, conduct, and evaluation of health education. Emphasis on education designed to affect and use psychosocial influences of health behavior. The setting of the internship will depend upon the student's background and career goals. Contact department to make arrangements.

0101 (10891) STAFF Time and room to be arranged

HLH799 Master's Thesis Research

(1-6) REG/S-F.

Individual instruction course: contact department or instructor to obtain section number. Contact department to make arrangements.

HLH899 Doctoral Dissertation Research

(1-8) REG/S-F.

Individual instruction course: contact department or instructor to obtain section number. Contact department to make arrangements.

HONR Honors

(UNDERGRADUATE STUDIES)

HONR238B Honors Seminar: Images of Masculinity in Twentieth Century American Literature and Film

(3) REG.

CORE: Literature (HL)

0101 (10954) O'Sullivan, S. MW 6:00pm-9:15pm (PLS 1158)

HONR248G Honors Seminar: Social and Group Violence in America

(3) REG.

CORE: Social or Political History (SH)

0101 (10974) Smead, E. TuTh 2:00pm-5:15pm (ANA 0120)

HONR379 Honors Independent Study: Discovery Projects in Research

(2) REG.

0101 (11014) McAdams, K. M 9:30am-11:30am (SOH 1119)

HORT Horticulture & Landscape Architecture

(AGRICULTURE AND NATURAL RESOURCES)

HORT389 Horticultural Internship

(1-6) REG/P-F/AUD.

0101 (11087) STAFF Time and room to be arranged

HORT399 Special Problems in Horticulture

(1-2) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

HORT799 Master's Thesis Research

(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

HORT899 Doctoral Dissertation Research

(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

ITAL Italian

(ARTS AND HUMANITIES)

ITAL101 Elementary Italian I

(4) REG/P-F/AUD.

Credit will be granted for only one of the following: ITAL 101 or ITAL 121. Introduction to basic grammar and vocabulary; written and oral work.

0101 (11153) Fieri, M. MtuWTh 9:00am-11:50am (JAZ 1226)

ITAL399 Directed Study in Italian

(1-3) S-F.

0101 (11183) STAFF Time and room to be arranged

IVSP Individual Studies Program

(UNDERGRADUATE STUDIES)

IVSP317 Progress Report

(1) S-F.

Individual instruction course: contact department or instructor to obtain section number. Prerequisite: admission to IVSP major. A written analysis of the program. Students register for IVSP 317 only once, the semester before the final term.

IVSP318 Independent Learning Activities: Individual Studies (PermReq)

(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number. IVSP majors only

IVSP420 Senior Paper (PermReq)

(3) REG.

Individual instruction course: contact department or instructor to obtain section number. Prerequisite: admission to IVSP major. For IVSP majors only: Synthesizing final paper or a final special project

JAPN Japanese

(ARTS AND HUMANITIES)

JAPN101 Elementary Japanese I

(6) REG/P-F.

Introduction to basic patterns of contemporary spoken Japanese and to the two phonetic syllabaries (Katakana and Hiragana).

0101 (11299) STAFF MtuWThF 9:30am-12:20pm (JAZ 0208)

JAPN201 Intermediate Japanese I

(6) REG/P-F/AUD.

Prerequisite: JAPN 101 or equivalent. Formerly JAPN 205. Contemporary spoken and written Japanese

0101 (11319) STAFF MtuWThF 9:30am-12:20pm (JAZ 3118)

JOUR Journalism

(JOURNALISM)

JOUR100 Introduction to Mass Communication

(3) REG/P-F/AUD.

CORE: Behavioral and Social Science (SB) Survey of the functions and effects of the mass media in the United States. A consumer's introduction to newspapers, television, radio, film, sound recording, books, magazines, and new media technology. Introduction to public relations, advertising, and news analysis.

0101 (11379) Barkin, S. TuTh 9:00am-12:00pm (JRN 1104)

JOUR198 Survey Apprenticeship

(1) S-F.

0101 (11389) Stewart, G. Time and room to be arranged

Students must meet with Assistant Dean Greg Stewart in JRN 1118 to gain permission to enroll no later than Friday, May 28, 1999.

JOUR201 Writing For Mass Media (PermReq)

(3) REG.

Pre- or corequisite: JOUR 101. Prerequisite: 30 words per minute wordprocessing ability; and grammar competency demonstrated by a score of 52 or higher on the ISWE. Introduction to news, feature and publicity writing for the printed and electronic media, development of news concepts; laboratory in news gathering tools and writing skills.

0101 (11400) STAFF MtuWThF 9:00am-10:40am (JRN 3103)

0102 (11401) Crone, S. MtuWThF 9:00am-10:40am (JRN 3111)

A 5-minute typing test is required prior to the first class. Students must type a minimum of 30 wpm to remain enrolled in the course. Must have at least 28 credits earned. Seek permission to enroll and take typing test in 1117 JRN.

JOUR202 Editing For the Mass Media

(3) REG.

Prerequisite: a grade of C or better in JOUR 201. For JOUR majors only: Basic editing skills applicable to all mass media: copy editing, graphic principles and processes, new media technology.

0101 (11411) STAFF TuTh 2:00pm-3:40pm (JRN 3111)

MWF 2:00pm-3:40pm (JRN 3102)

JOUR326 Supervised Internship - News Editorial (PermReq)

(3) REG/P-F/AUD.

Prerequisites: a grade of "C" or better in JOUR 201, JOUR 202 and JOUR 320 and permission of department. For JOUR majors only: Supervised internship experience with communication professionals in newspapers, magazines, photojournalism. Relation of academic training to professional experience.

0101 (11421) Colahan, C. Time and room to be arranged Lab

Students must gain permission to register for this course from Assistant Dean Greg Stewart in JRN 1117 no later than Friday, May 28, 1999. Students must spend a minimum of 135 hours spread over at least a ten-week period of their internship site. Consequently, grades will not be determined until after the end of the first summer session.

JOUR336 Supervised Internship - Public Relations (PermReq)

(3) REG/P-F/AUD.

Prerequisites: a grade of "C" or better in JOUR 201, JOUR 202, JOUR 330, and JOUR 331 and permission of department. For JOUR majors only: Supervised internship experience with communication professionals in public relations. Relation of academic training to professional experience.

0101 (11432) Paterson, J. Time and room to be arranged Lab

Students must gain permission to register for this course from Assistant Dean Greg Stewart in JRN 1117 no later than Friday, May 28, 1999. Students must spend a minimum of 135 hours spread over a minimum of 10 weeks of their internship site. Consequently, grades will not be determined until after the end of the first summer session

JOUR346 Supervised Internship - Advertising (PermReq)
(3) REG/P-F/AUD.

Prerequisites: a grade of "C" or better in JOUR 201, JOUR 202, JOUR 340, and either JOUR 341 or JOUR 342, and permission of department. For JOUR majors only. Supervised internship experience with communication professionals in advertising. Relation of academic training to professional experience.

0101 (11443) Zonot, E. Time and room to be arranged
Lab

Students must gain permission to register for this course from Assistant Dean Greg Stewart in JRN 1118 no later than Friday, May 28, 1999. Students must spend a minimum of 135 hours spread over a minimum of 10 weeks of their internship site. Consequently, grades will not be determined until after the end of the first summer session.

JOUR366 Supervised Internship - Broadcast News (PermReq)
(3) REG/P-F/AUD.

Prerequisites: a grade of "C" or better in JOUR 201, JOUR 202, and JOUR 360 and permission of department. Recommended: JOUR 361 for television internship. For JOUR majors only. Supervised internship experience with communication professionals in broadcast news. Relation of academic training to professional experience.

0101 (11454) Holman, B. Time and room to be arranged
Lab

Students must gain permission to register for this course from Assistant Dean Greg Stewart in JRN 1118 no later than Friday, May 28, 1999. Students must spend a minimum of 135 hours spread over ten weeks of their internship site. Consequently, grades will not be determined until after the end of the first summer session.

JOUR398 Independent Study
(1-3) REG.

Individual instruction course: contact department or instructor to obtain section number. Contact department to make arrangements. Consult in JRN 1118 for section and MARS code corresponding to faculty member.

JOUR440 Readings in Journalism Literature
(3) REG/P-F/AUD.

Prerequisite: JOUR 320 or permission of department. Analysis of books by journalists highly regarded for writing style and/or the content of their reporting with an emphasis on understanding the books in the context of national and international affairs.

0101 (11514) Peterson, J. MW 1:00pm-7:00pm
(JRN 1116)

Prerequisites are flexible in the summer.

JOUR451 Advertising and Society
(3) REG/P-F/AUD.

Prerequisites: JOUR 201 and JOUR 202, or permission of department. Junior standing. Advertising as an institution with manifest economic purposes and latent social effects. Influences of advertising on people, and related issues of ethics and social responsibility.

0101 (11524) Zonot, E. MW 1:00pm-4:00pm
(JRN 1105)

JOUR459C Special Topics in Mass Communication: Journalism and Technology
(3) REG/P-F/AUD.

0101 (11534) Newhagen, J. TuTh 4:00pm-7:00pm
(JRN 3102)

JOUR477 Mass Communication Research
(3) REG/P-F/AUD.

Prerequisite: MATH 110 or equivalent; students are encouraged to have completed the theory and technique courses in their major sequence. Communication research methods used in measuring public opinion and evaluating public relations, advertising, and mass media programs and materials.

0101 (11544) Newhagen, J. TuTh 12:00pm-3:00pm
(JRN 3102)

JOUR501 Fundamentals of Writing and Editing (PermReq)
(3) REG/AUD.

Prerequisite: permission of department. Writing and editing techniques for journalism reporting. Principles of news, feature and publicity writing for mass media, as well as editing and graphic concepts appropriate for newspapers and magazines. Not applicable for degree credit.

0101 (11554) Colahan, C. MiWThF 9:00am-10:40am
(JRN 3102)

JOUR601 Theories of Mass Communication
(3) REG/AUD.

Prerequisite: permission of department.

0101 (11574) Berkia, S. TuTh 1:00pm-4:00pm
(JRN 1116)

JOUR620 Seminar in Public Affairs Reporting
(3) REG/AUD.

Prerequisite: JOUR 320.

0101 (11584) Stepp, C. MW 9:00am-12:00pm
(JRN 1104)

JOUR698 Special Problems in Communication
(1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

Consult in JRN 1118 for section and MARS code corresponding to faculty member.

JOUR798 Master's Professional Fieldwork
(2-6) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

Consult in JRN 1118 for section and MARS code corresponding to faculty member.

JOUR799 Master's Thesis Research
(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

Consult in JRN 1118 for section corresponding to faculty member.

JOUR888 Doctoral Practicum in Mass Communication
(3-9) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

Consult in JRN 1118 for section and MARS code corresponding to faculty member.

JOUR889 Doctoral Tutorial in Mass Communication
(3-9) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

Consult in JRN 1118 for section and MARS code corresponding to faculty member.

JOUR899 Doctoral Dissertation Research in Mass Communication
(1-8) REG/S-F.

Individual instruction course: contact department or instructor to obtain section number.

Consult in JRN 1118 for section and MARS code corresponding to faculty member.

JWST Jewish Studies

(ARTS AND HUMANITIES)

JWST499W Independent Study in Jewish Studies (PermReq)
(1-3) REG/P-F/AUD.

0101 (11885) Holan, K. Time and room to be arranged
This course is only available in Israel.

KNES Kinesiology

(HEALTH AND HUMAN PERFORMANCE)

KNES137N Physical Education Activities: Coed: Golf (Beginning)
(1) REG/P-F.

0101 (11936) Savoge, K. MiWTh 9:30am-10:50am
(GLF 1102)

Students must pay a \$25 golf facility fee directly to pro shop.

KNES144D Physical Education Activities: Coed: Martial Arts, Karate (Beginning)
(1) REG/P-F.

0101 (11947) McMahon, L. MiWTh 9:30am-10:50am
(HHP 0107) Lab

KNES154W Physical Education Activities: Coed: Swimming (Beginning)
(1) REG/P-F.

0101 (11957) Lamon, C. MiWTh 1:00pm-2:20pm
(CRE 801/20)

KNES155N Physical Education Activities: Coed: Tennis (Beginning)
(1) REG/P-F.

0101 (11968) Vander Velden, L. MiWTh 8:00am-9:20am
(COL 1100)

0102 (11969) Vander Velden, L. MiWTh 9:30am-10:50am
(COL 1100)

0103 (11970) Vander Velden, L. MiWTh 11:00am-12:20pm
(COL 1100)

KNES155O Physical Education Activities: Coed: Tennis (Intermediate)
(1) REG/P-F.

0101 (11981) Vander Velden, L. MiWTh 8:00am-9:20am
(COL 1100)

0102 (11982) Vander Velden, L. MiWTh 9:30am-10:50am
(COL 1100)

0103 (11983) Vander Velden, L. MiWTh 11:00am-12:20pm
(COL 1100)

KNES157N Physical Education Activities: Coed: Weight Training (Beginning)
(1) REG/P-F.

0101 (11994) Conno, P. MiWTh 8:00am-9:20am
(HHP 0103)

KNES157O Physical Education Activities: Coed: Weight Training (Intermediate)
(1) REG/P-F.

0101 (12005) Cohn, P. MiWTh 8:00am-9:20am
(HHP 0103)

KNES287 Sport and American Society
(3) REG/P-F/AUD.

Formerly PHED 287. Sport will be related to such social problems as delinquency, segregation, collective behavior, and leisure; to

social processes such as socialization, stratification, mobility, and social control, and to those familiar social institutions, the family, the school, the church, the military, the economy, the polity, and the mass media

0101 (12026) Vander Velden, L. TuTh 4:30pm-7:50pm
(HHP 0305)

KNES289 Topical Investigations (PermReq)
(1-3) REG.

Individual instruction course: contact department or instructor to obtain section number.

KNES293 History of Sport in America
(3) REG/P-F/AUD.

CORE Social or Political History (SH) Formerly PHED 293. The growth and development of sport in America: The transformation of sport within the perspective of American history, including class sport, professionalization, amateurism, and international involvement.

0101 (12044) Wang, J. TuTh 1:00pm-4:20pm
(HHP 2132)

KNES300 Biomechanics of Human Motion
(4) REG/P-F/AUD.

Prerequisites: 200L 201; and 200L 202. Formerly PHED 300. The study of human movement and the physical and physiological principles upon which it depends. Body mechanics, posture, motor efficiency, sports, the performance of a typical individual and the influence of growth and development upon motor performance.

0101 (12054) Wokeem, J. MiWThF 10:00am-11:30am
(HHP 1302)

TuTh 12:00pm-2:00pm
(HHP 1302) Lab

0102 (12055) Wokeem, J. MiWThF 10:00am-11:30am
(HHP 1302)

MW 12:00pm-2:00pm
(HHP 1302) Lab

0103 (12056) Wokeem, J. MiWThF 10:00am-11:30am
(HHP 1302)

TuTh 8:00am-10:00am
(HHP 1302) Lab

KNES350 The Psychology of Sports
(3) REG/P-F/AUD.

Formerly PHED 350. An exploration of the personality factors, including, but not limited to motivation, aggression and emotion, as they affect sports participation and motor skill performance.

0101 (12066) Iso-Ahala, S. MW 4:30pm-7:50pm
(HHP 1302)

KNES370 Motor Development
(3) REG/P-F.

Formerly PHED 370. Motor development across the life span. The developmental sequences of motor skills from birth to old age; neuromaturation of neuromuscular system; analysis of the underlying mechanisms of motor skill development; and correlates of motor development.

0101 (12088) Metcalfe, J. TuTh 4:30pm-7:50pm
(HHP 2132)

KNES389 Topical Investigations (PermReq)
(1-3) REG.

Individual instruction course: contact department or instructor to obtain section number.

KNES498 Special Topics in Kinesiology
(3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

KNES498K Special Topics in Kinesiology: Child and Sport
(3) REG/P-F/AUD.

0101 (12124) Brown, E. TuTh 4:30pm-7:50pm
(HHP 1303)

KNES689 Special Problems in Kinesiology (PermReq)
(1-3) REG.

Individual instruction course: contact department or instructor to obtain section number.

SESSION I

KNES799 Master's Thesis Research
(PermReq)
(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

KNES899 Doctoral Dissertation Research (PermReq)
(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

LARC Landscape Architecture

(AGRICULTURE AND NATURAL RESOURCES)

LARC160 Introduction to Landscape Architecture
(3) REG/P-F/AUD.

CORE: Humanities (HO) History, theory, philosophy and current practice of the profession of landscape architecture. Explores the interactive relationship between humans and their environment by examining people's perceptions of and changing attitude towards the landscape, as well as, an examination of how these are related to ecological and cultural influences.

0101 (12187) Hill, M. M TuWThF 9:00am-10:20am (PLS 1119)

LARC499 Independent Studies in Landscape Architecture
(1-4) REG/P-F/AUD.

0101 (12207) STAFF Time and room to be arranged

LATN Latin

(ARTS AND HUMANITIES)

LAIN20 Intensive Latin (PermReq)
(4) REG/P-F/AUD

Prerequisite: permission of department. Not open for credit to students with credit for LATN 102. Elements of Latin grammar and vocabulary; elementary reading. The first year's study of Latin compressed into a single semester.

0101 (12258) Staley, M. M TuWThF 9:00am-10:40am (MMH 2407A)

LATH499 Independent Study in Latin Language and Literature (PermReq)
(3) REG/P-F/AUD.

0101 (12278) Hallett, J. Time and room to be arranged

LATH699 Independent Studies in Latin Literature (PermReq)
(1-3) REG/AUD.

0101 (12289) Hallett, J. Time and room to be arranged

LBSC Library Science

(LIBRARY AND INFORMATION SERVICES)

LBSC650 Information Access (PermReq)
(3) REG/AUD.

Prerequisite: permission of department. Information needs, information interviews, question analysis, information resources, search strategy, query formulation, source selection.

0101 (12350) White, M. M TuTh 5:30pm-8:45pm (HKB 0103)

Required of all MLS students.

LBSC670 Information Structure (PermReq)
(3) REG/AUD

Prerequisite: permission of department. Knowledge analysis and representation; information presentation and assimilation; bibliographic and record control.

0101 (12360) Green, R. M TuTh 1:00pm-3:45pm (HKB 0115)

0102 (12361) Green, R. M TuTh 5:30pm-8:15pm (HKB 0115)

LBSC708 Special Topics in Library and Information Service: Documenting Underrepresented Communities (PermReq)
(1-3) REG/AUD.

0101 (12391) Roe, K. M TuWThF 9:00am-4:00pm (HKB 0103)

Class meets from June 1, 1999 to June 4, 1999, and from June 28, 1999 to July 1, 1999.

LBSC708E Special Topics in Library and Information Service: Topical Investigation: Maps as Source Materials (PermReq)
(3) REG/AUD.

0101 (12401) STAFF M TuWThF 6:00pm-9:15pm (HKB 0105)

No class July 12 and July 14

LBSC708J Special Topics in Library and Information Service: Information Seeking Patterns (PermReq)
(3) REG/AUD.

0101 (12411) Coghill, K. M TuTh 2:00pm-4:30pm (HKB 4113)

LBSC708P Special Topics in Library and Information Service: Advanced Electronic Records (PermReq)
(3) REG/AUD.

0101 (12421) Miller, M. M TuWThF 9:00am-8:45pm (HKB 0103)

LBSC708S Special Topics in Library and Information Service: Management of Electronic Records (PermReq)
(3) REG/AUD.

0101 (12431) Holonen, C. M TuTh 5:30pm-8:45pm (HKB 0115)

LBSC708T Special Topics in Library and Information Service: Seminar in Information Access (PermReq)
(3) REG/AUD.

0101 (12441) White, M. M TuWThF 9:30am-12:30pm (HKB 4115)

LBSC709 Independent Study (PermReq)
(1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

LBSC741 Seminar in School Library Media Programs (PermReq)
(3) REG/AUD.

Prerequisites: permission of department; and LBSC 643 or permission of instructor. Development, management, and evaluation of school library media programs at all levels.

0101 (12483) Lesene, J. M TuWThF 5:30pm-8:45pm (HKB 4115)

Class will meet Sat., June 19, 9 am - 4 pm, also.

LBSC766 Access to Business Information (PermReq)
(3) REG/AUD.

Prerequisite: LBSC 650 or permission of instructor. Research methods, information needs, information structure, information sources and services related to business.

0201 (12503) Abels, E. M TuWThF 9:00am-12:00pm (HKB 4113)
So 1:00pm-4:00pm (HKB 4113)

LBSC899 Doctoral Dissertation Research (PermReq)
(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

LING Linguistics

(ARTS AND HUMANITIES)

LING200 Introductory Linguistics
(3) REG/P-F/AUD.

CORE: Behavioral and Social Science (SB). Not open to students who have completed ANTH 371 or HESP 120. Ways of studying human language, basic concepts of modern linguistic analysis (sound systems, word formation, syntax, meaning). The nature of human language, the social aspects of language, language change, dialects, writing systems, language universals, etc. Basis for future work in linguistics.

0101 (12574) STAFF M TuWThF 9:30am-10:50am (PLS 1111)

LING499 Directed Studies in Linguistics (PermReq)
(3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

LING689 Independent Study
(1-3) REG/AUD

0101 (12596) STAFF Time and room to be arranged

LING698 Directed Study (PermReq)
(3) REG.

Individual instruction course: contact department or instructor to obtain section number.

LING798 Research Papers in Linguistics
(1-6) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

LING799 Master's Thesis Research (PermReq)
(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

LING889 Directed Research (PermReq)
(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

LING895 Doctoral Research Paper (PermReq)
(6) REG.

0101 (12615) STAFF Time and room to be arranged

LING899 Doctoral Dissertation Research (PermReq)
(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

MAPL Applied Mathematics

(COMPUTER, MATHEMATICAL AND PHYSICAL SCIENCES)

MAPL460 Computational Methods
(3) REG/P-F/AUD.

Prerequisites: (a) grade of C or better in MATH 240 and MATH 241; and (b) CHSC 104 or CHSC 113). Also offered as CHSC 460. Credit will be granted for only one of the following: MAPL/CHSC 460 or MAPL/CHSC 466. Basic computational methods for interpolation, least squares, approximation, numerical quadrature, numerical solution of polynomial and transcendental equations, systems of linear equations and initial value problems for ordinary differential equations. Emphasis on methods and their computational properties rather than their analytic aspects. Intended primarily for students in the physical and engineering sciences.

0101 (12677) STAFF M TuWThF 8:00am-9:20am (MTH 0105)
Meets 06/01/99-07/23/99

MAPL698A Advanced Topics in Applied Mathematics
(1-4) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

MAPL799 Master's Thesis Research
(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

MAPL899 Doctoral Dissertation Research
(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

MATH Mathematics

(COMPUTER, MATHEMATICAL AND PHYSICAL SCIENCES)

MATH001 Review of High School Algebra
(3) REG/P-F/AUD.

Recommended for students who plan to take MATH 110 or MATH 002 but are not currently qualified to do so. Special fee required in addition to the regular tuition charge for fall and spring semesters. This course does not carry credit towards any degree at the University. Provides students with the foundation in intermediate algebra that is necessary for the study of the first college level math course, MATH 110. Topics include a review of the operations on real numbers, linear equations in one and two variables, systems of linear equations, linear inequalities, operations on polynomials, factoring, applications and solutions of quadratic equations.

0102 (12742) STAFF M TuWThF 9:30am-10:50am (MTH 1311)

Students registering for MATH 001 who experience math anxiety or feel deficient in math study skills should refer to SUMM 003, Building Math Self-Confidence.

MATH002 Advanced Review of High School Algebra
(3) REG/P-F/AUD.

Recommended for students who plan to take but who are not currently qualified for MATH 115. Prerequisite: a satisfactory score on the mathematics placement exam or MATH 001 or MATH 001L. Special fee required in addition to the regular tuition charge for fall and spring semesters. This course does not carry credit towards any degree at the University. Review of high school algebra at a faster pace and at a more advanced level than MATH 001. Exponents, polynomials, linear equations in one and two variables, quadratic equations, and polynomial, rational, exponential and logarithmic functions.

0101 (12766) STAFF M TuWThF 8:00am-9:20am (MTH 0307)

For those students experiencing math anxiety or who feel deficient in math study skills, refer to the special programs section, SUMM 003.

MATH110 Elementary Mathematical Models

(3) REG/P/F/AUD.

Prerequisite: permission of department based on satisfactory score on the mathematics placement exam, or MATH 001 with a grade of C or better, or MATH 002. Not open to students majoring in mathematics, engineering, business, life sciences, and the physical sciences. Not open to students who have completed MATH 140, MATH 220, or any MATH or STAT course for which MATH 140 or MATH 220 is a prerequisite. Credit will be granted for only one of the following: MATH 110 or MATH 113. Topics include simple and compound interest; recursion for computing balances, installment loans and amortization; approximating data by linear models; analysis of applications to real-world collections of data; probability, conditional probability, independence, expected value; graphing and analysis of systems of inequalities; linear programming and applications. MATH 110 is not open to students in the Engineering and Computer, Mathematical, and Physical Sciences Colleges.

0102 (127879) STAFF	MuWThF 9:30am-10:50am (MTH 0306)
0103 (127900) STAFF	MuWThF 11:00am-12:20pm (MTH 0306)

MATH111 Introduction to Probability

(3) REG/P/F/AUD.

CORE: Mathematics or Formal Reasoning (MS) *Prerequisite:* permission of department based on satisfactory score on the mathematics placement exam, or MATH 110, or MATH 002 with a grade of C or better. Not open to students majoring in mathematics, engineering or the physical sciences. Not open to students who have completed STAT 100 or any MATH or STAT course with a prerequisite of MATH 111. Credit will be granted for only one of the following: MATH 111 or STAT 100. Logic, Boolean algebra, counting, probability, random variables, expectation applications of the normal probability distribution.

0101 (12804) STAFF	MuWThF 8:00am-9:20am (MTH 0306)
0102 (12805) STAFF	MuWThF 9:30am-10:50am (MTH 0421)

MATH113 College Algebra with Applications

(3) REG/P/F/AUD.

Prerequisite: permission of department based on satisfactory score on the mathematics placement exam, or MATH 002. Not open to students who have completed MATH 140 or MATH 220 or any course for which MATH 140 or MATH 220 is a prerequisite. Credit will be granted for only one of the following: (MATH 110 or MATH 113), or (MATH 113 or MATH 115). Graphs and applications of elementary functions including: polynomial, rational, exponential and logarithmic functions. Systems of linear equations and linear inequalities used to solve representative problems in linear programming. Matrices and matrix operations including inverse. Sequences.

0101 (12819) STAFF	MuWThF 8:00am-9:20am (MTH 1308)
0103 (12820) STAFF	MuWThF 11:00am-12:20pm (MTH 1308)

MATH115 Precalculus

(3) REG/P/F/AUD.

Prerequisite: permission of department based on satisfactory score on the mathematics placement exam, or MATH 002 with a grade of B or better, or MATH 113. Not open to students who have completed MATH 140 or any MATH or STAT course for which MATH 140 is a prerequisite. Credit will be granted for only one of the following: MATH 113 or MATH 115. Preparation for MATH 220 or MATH 140. Elementary functions and graphs: polynomials, rational functions, exponential and logarithmic functions, trigonometric functions. Algebraic techniques preparatory for calculus.

0101 (12834) STAFF	MuWThF 8:00am-9:20am (MTH 0106)
0103 (12835) STAFF	MuWThF 11:00am-12:20pm (MTH 1313)

MATH140 Calculus I

(4) REG/P/F/AUD.

CORE: Mathematics or Formal Reasoning (MS) *Prerequisite:* permission of department based on 3-1/2 years of college preparatory mathematics (including trigonometry) and a satisfactory score on the mathematics placement exam, or MATH 115 with a grade of C or better. Credit will be granted for only one of the following: MATH 140 or MATH 220. Introduction to calculus, including functions, limits, continuity, derivatives and applications of the derivative, sketching of graphs of functions, definite and indefinite integrals, and calculation of area. The course is especially recommended for science and mathematics majors.

0101 (12860) STAFF	Meets 06/01/99-07/23/99	MuWThF 8:00am-9:20am (MTH 0101)
0102 (12861) STAFF	Meets 06/01/99-07/23/99	MuWThF 9:30am-10:50am (MTH 0106)
0103 (12862) STAFF	Meets 06/01/99-07/23/99	MuWThF 11:00am-12:20pm (MTH 0106)

MATH141 Calculus II

(4) REG/P/F/AUD.

CORE: Mathematics or Formal Reasoning (MS) *Prerequisite:* MATH 140 or equivalent. Credit will be granted for only one of the following: MATH 141 or MATH 221. Continuation of MATH 140, including techniques of integration, improper integrals, applications of integration (such as volumes, work, arc length, moments), inverse functions, exponential and logarithmic functions, sequences and series.

0101 (12873) STAFF	Meets 06/01/99-07/23/99	MuWThF 8:00am-9:20am (MTH 0103)
0102 (12874) STAFF	Meets 06/01/99-07/23/99	MuWThF 9:30am-10:50am (MTH 0103)
0103 (12875) STAFF	Meets 06/01/99-07/23/99	MuWThF 11:00am-12:20pm (MTH 0103)

MATH210 Elements of Mathematics

(4) REG/P/F/AUD.

Prerequisite: one year of college preparatory algebra. Required for majors in elementary education, and open only to students in this field. Topics from algebra and number theory, designed to provide insight into arithmetic, inductive proof, the natural number system based on the Peano axioms, mathematical systems, groups, fields, the system of integers, the system of rational numbers, congruence, divisibility, systems of numeration.

0101 (12886) STAFF	Meets 06/01/99-07/23/99	MuWThF 8:00am-9:20am (MTH 0104)
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MATH211 Elements of Geometry

(4) REG/P/F/AUD.

Prerequisite: MATH 210. Structure of mathematics systems, algebra of sets, geometrical structures, logic, measurement, congruence, similarity, graphs in the plane, geometry on the sphere.

0101 (12897) STAFF	Meets 06/01/99-07/23/99	MuWThF 8:00am-9:20am (MTH 1311)
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MATH220 Elementary Calculus I

(3) REG/P/F/AUD.

CORE: Mathematics or Formal Reasoning (MS) *Prerequisite:* permission of department based on 3-1/2 years of college preparatory mathematics (including trigonometry) and satisfactory performance on the mathematics placement exam, or MATH 113, or MATH 115. Not open to students majoring in mathematics, engineering or the physical sciences. Credit will be granted for only one of the following: MATH 140 or MATH 220. Basic ideas of differential and integral calculus, with emphasis on elementary techniques of differentiation and applications.

0101 (12908) STAFF	MuWThF 8:00am-9:20am (MTH 1313)
0102 (12909) STAFF	MuWThF 9:30am-10:50am (MTH 0101)
0103 (12910) STAFF	MuWThF 11:00am-12:20pm (MTH 0423)

MATH221 Elementary Calculus II

(3) REG/P/F/AUD.

CORE: Mathematics or Formal Reasoning (MS) *Prerequisite:* MATH 220, or MATH 140, or equivalent. Not open to students majoring in mathematics, engineering or the physical sciences. Credit will be granted for only one of the following: MATH 141 or MATH 221. Differential and integral calculus, with emphasis on elementary techniques of integration and applications.

0102 (12924) STAFF	MuWThF 9:30am-10:50am (MTH 0411)
0103 (12925) STAFF	MuWThF 11:00am-12:30pm (MTH 0411)

MATH240 Introduction to Linear Algebra

(4) REG/P/F/AUD.

CORE: Mathematics or Formal Reasoning (MS) *Prerequisite:* MATH 141 or equivalent. Credit will be granted for only one of the following: MATH 240 or MATH 400 or MATH 461. Basic concepts of linear algebra: vector spaces, applications to line and plane geometry, linear equations and matrices, similar matrices, linear transformations, eigenvalues, determinants and quadratic forms.

0103 (12937) STAFF	Meets 06/01/99-07/23/99	MuWThF 11:00am-12:20pm (MTH 0307)
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MATH241 Calculus III

(4) REG/P/F/AUD.

Prerequisites: MATH 141 and any one of the following: MATH 240 or ENES 102 or PHYS 161 or PHYS 171. Introduction to multivariable calculus, including vectors and vector-valued functions, partial derivatives and applications of partial derivatives (such as tangent planes and Lagrange multipliers), multiple integrals, volume, surface area, and the classical theorems of Green, Stokes and Gauss.

0102 (12948) STAFF	Meets 06/01/99-07/23/99	MuWThF 9:30am-10:50am (MTH 0201)
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MATH246 Differential Equations for Scientists and Engineers

(3) REG/P/F/AUD.

Prerequisite: MATH 141 or equivalent. An introduction to the basic methods of solving ordinary differential equations. Equations of first and second order, linear differential equations, Laplace transforms, numerical methods, and the qualitative theory of differential equations.

0103 (12959) STAFF	MuWThF 11:00am-12:20pm (MTH 0421)
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MATH401 Applications of Linear Algebra

(3) REG/P/F/AUD.

Prerequisite: MATH 240 or MATH 461. Various applications of linear algebra: theory of finite groups, linear programming, matrix methods as applied to finite Markov chains, random walk, incidence matrices, graphs and directed graphs, networks, transportation problems.

0103 (12972) STAFF	MuWThF 11:00am-12:20pm (MTH 0101)
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MATH410 Advanced Calculus I (PermReg)

(3) REG/P/F/AUD.

Prerequisites: MATH 240 and MATH 241 with a grade of C or better. Not open to students who have completed MATH 250 First semester of a year course. Subjects covered during the year are: sequences and series of numbers, continuity and differentiability of real valued functions of one variable, the Riemann integral, sequences of functions, and power series. Functions of several variables including partial derivatives, multiple integrals, line and surface integrals. The implicit function theorem. Meets 8 weeks, 4 days per week.

0102 (12992) STAFF	Meets 06/01/99-07/23/99	MuWThF 9:30am-10:50am (MTH 1308)
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MATH411 Advanced Calculus II

(3) REG/P/F/AUD.

Prerequisite: MATH 410. Not open to students who have completed MATH 250 and MATH 251. Continuation of MATH 410.

0102 (13002) STAFF	Meets 06/01/99-07/23/99	MuWThF 9:30am-10:50am (MTH 2300)
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MATH461 Linear Algebra for Scientists and Engineers

(3) REG/P/F/AUD.

Prerequisites: MATH 141 and one MATH/STAT course for which MATH 141 is a prerequisite. This course cannot be used toward the upper level math requirements for MATH/STAT majors. Credit will be granted for only one of the following: MATH 240, MATH 400 or MATH 461. Basic concepts of linear algebra. This course is similar to MATH 240, but with more extensive coverage of the topics needed in applied linear algebra: change of basis, complex eigenvalues, diagonalization, the Jordan canonical form.

0102 (13012) STAFF	MuWThF 9:30am-10:50am (MTH 0104)
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MATH462 Partial Differential Equations for Scientists and Engineers

(3) REG/P/F/AUD.

Prerequisites: MATH 241, and MATH 246. Credit will be granted for only one of the following: MATH 462 or MATH 415. Linear spaces and operators, orthogonality, Sturm-Liouville problems and eigenfunction expansions for ordinary differential equations, introduction to partial differential equations, including the heat equation, wave equation and Laplace's equation, boundary value problems, initial value problems, and initial-boundary value problems.

0101 (13024) STAFF	MuWThF 8:00am-9:20am (MTH 0102)
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MATH498A Selected Topics in Mathematics

(1-9) REG/P/F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

MATH648A Selected Topics in Analysis

(1-3) REG/AUD.

0101 (13046) STAFF Time and room to be arranged

MATH658A Selected Topics in Complex Analysis

(1-3) REG/AUD.

0101 (13057) STAFF Time and room to be arranged

MATH718A Selected Topics in Mathematical Logic

(1-3) REG/AUD.

0101 (13068) STAFF Time and room to be arranged

MATH748A Selected Topics in Geometry and Topology

(1-3) REG/AUD.

0101 (13079) STAFF Time and room to be arranged

MATH799 Master's Thesis Research

(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

MATH899 Doctoral Dissertation Research

(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

MEES Marine-Estuarine-Environmental Sciences

(LIFE SCIENCES)

MEES608E Seminar in Marine-Estuarine-Environmental Sciences: Theories of Science/Values in Science I

(1) REG.

0101 (13143) Tenore, K W 8:30am-10:00am
(Arranged)

Corequisite: MEES 608E.

MEES699 Special Problems in Marine-Estuarine-Environmental Sciences

(1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

MEES799 Master's Thesis Research

(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

MEES899 Doctoral Dissertation Research

(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

SESSION I

METO Meteorology

(COMPUTER, MATHEMATICAL AND PHYSICAL SCIENCES)

METO499 Special Problems in Atmospheric Science
(1-3) REG/P/F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

METO798 Directed Graduate Research
(1-3) S-F.

Individual instruction course: contact department or instructor to obtain section number.

MOC899 Doctoral Dissertation Research
(1-8) S-F.

Individual instruction course: contact department or instructor to obtain section number.

MICB Microbiology

(LIFE SCIENCES)

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

MICB200 General Microbiology
(4) REG/P-F/AUD.

CORE: Life Science Lab (LL) Prerequisite: BIOL 105. Credit will be granted for only one of the following: MICB 100 or MICB 200. Fundamental concepts in morphology, physiology, genetics, immunology, ecology, and pathogenic microbiology. Applications of microbiology to medicine, the food industry and biotechnology.

0101 (13323) Joseph, S. M TuWThF 9:00am-9:00am (MCB 1207)

0102 (13324) Joseph, S. M TuWThF 8:00am-9:00am (MCB 1207)

0103 (13325) Joseph, S. M TuWThF 8:00am-9:00am (MCB 1207)

M TuWThF 9:00am-11:00am (MCB 1206) Lab

MICB379 Honors Research
(2-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

MICB388 Special Topics in Microbiology
(1-4) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

MICB388R Special Topics in Microbiology
(1-4) REG/P-F/AUD.

0101 (13339) Smith, A. Meets 06/01/99-07/09/99 Time and room to be arranged

MICB399 Microbiological Problems
(3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

MIC688 Special Topics
(1-4) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

MICB799 Master's Thesis Research
(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

MIC899 Doctoral Dissertation Research
(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

MOCB Molecular and Cell Biology

(LIFE SCIENCES)

MOC8699 Laboratory Rotation
(2-3) S-F.

0101 (13406) STAFF Time and room to be arranged

MOC899 Doctoral Dissertation Research
(1-8) S-F.

Individual instruction course: contact department or instructor to obtain section number.

MUED Music Education

(ARTS AND HUMANITIES)

MUED499A Workshops, Clinics, Institutes: K-12 Instrumental Program: Standards and Assessment Techniques
(3) REG/P-F/AUD.

0101 (13468) Woody, R. Meets 06/21/99-07/09/99 M TuWThF 11:00am-2:00pm (TWS 3238)

MUED688 Music Cultures in the Classroom II: Curricular Materials and Teaching Strategies
(3) REG/AUD.

0101 (13478) McCarthy, M. Meets 06/21/99-07/09/99 M TuWThF 11:00am-2:00pm (TWS 3132)

MUED698A Current Trends in Music Education: K-12 Instrumental Program: Standards and Assessment Techniques
(3) REG/AUD.

0101 (13488) Woody, R. Meets 06/21/99-07/09/99 M TuWThF 11:00am-2:00pm (TWS 3238)

MUSC School of Music

(ARTS AND HUMANITIES)

MUSC106 Beginning Classical Guitar Class
(2) REG/P-F/AUD.

Introduction to classical guitar notation, technique, literature and performance. No previous musical experience required.

0101 (13538) Cavallo, G. M TuWTh 12:00pm-1:40pm (TWS 2138)

MUSC130 Survey of Music Literature
(3) REG/P-F/AUD.

CORE: History or Theory of Arts (HA) Open to all students except music and music education majors. A study of the principles upon which music is based, and an introduction to the musical repertory performed in America today.

0101 (13548) Becken, S. M TuWTh 9:00am-10:40am (TWS 2123)

MUSC140 Music Fundamentals I
(3) REG/P-F/AUD.

CORE: History or Theory of Arts (HA) Limited to non-music majors. Introductory theory course. Notation, scales, intervals, triads, rhythm, form, and basic aural skills.

0101 (13558) STAFF M TuWTh 11:00am-12:40pm (TWS 2102)

0102 (13559) STAFF M TuWTh 1:00pm-2:40pm (TWS 2135)

MUSC155 Fundamentals of the Classroom Teacher
(3) REG/P-F/AUD.

Open to students majoring in pre-entry childhood education, pre-elementary education, elementary education, or childhood education, other students take MUSC 150 or MUSC 155. Credit will be granted for only one of the following: MUSC 150 or MUSC 155. The fundamentals of music theory and practice, related to the needs of the classroom and kindergarten teacher, and organized in accordance with the six-area concept of musical learning.

0101 (13571) McCarthy, M. M TuWTh 8:30am-10:10am (TWS 3238)

MUSC210 The Impact of Music on Life
(3) REG/P-F/AUD.

CORE: History or Theory of Arts (HA) DIVERSITY: Music as a part of culture. Materials drawn from traditions throughout the globe to illustrate issues of historical and contemporary significance, including the impact of race, class and gender on the study of music.

0101 (13581) STAFF M TuWThF 11:00am-12:20pm (TWS 2123)

0102 (13582) STAFF M TuWThF 12:30pm-1:50pm (TWS 2123)

MUSC248 Selected Topics in Music: History of Rock Music, 1950 to Present
(3) REG/P-F/AUD.

0101 (13594) King, R. Meets 06/01/99-06/18/99 M TuWThF 1:00pm-3:30pm (TWS 3116)

MUSC388 Music Internship (PermReq)
(3) REG.

Individual instruction course: contact department or instructor to obtain section number.

MUSC389 Music Internship Analysis (PermReq)
(1) REG.

Individual instruction course: contact department or instructor to obtain section number.

MUSC448 Selected Topics in Music (PermReq)
(1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

MUSC488A Selected Topics in Music: Jazz Improvisation (PermReq)
(1) REG/P-F/AUD.

0101 (13610) Vaddie, C. Meets 06/28/99-07/02/99 M TuWThF 9:00am-12:00pm (TWS 1102)

MUSC488C Selected Topics in Music: Flute Masterclass 1999
(2) REG/AUD.

0101 (13620) Montgomery, W. Meets 07/10/99-07/18/99 M TuWThFSaSu 10:00am-10:00pm (TWS 1125)

MUSC499 Independent Studies (PermReq)
(2-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

MUSC699 Selected Topics in Music
(1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

MUSC699C Selected Topics in Music: Flute Masterclass 1997
(2) REG/AUD.

0101 (13634) Montgomery, W. Meets 07/10/99-07/18/99 M TuWThFSaSu 10:00am-10:00pm (TWS 1125)

MUSC799 Master's Thesis Research
(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

MUSC899 Doctoral Dissertation Research
(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

NFSC Nutrition and Food Science

(AGRICULTURE AND NATURAL RESOURCES)

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

NFSC100 Elements of Nutrition
(3) REG/P-F/AUD.

CORE: Life Science (LS) Formerly NUTR 100. Fundamentals of human nutrition. Nutrient requirements related to changing individual and family needs.

0101 (13697) Castonguay, T. MWF 9:30am-10:50am (MWH 1400)

TuTh 9:30am-10:50am (MWH 1400) Dis

0102 (13698) Castonguay, T. MWF 9:30am-10:50am (MWH 1400)

MW 11:00am-12:20pm (MWH 3418) Dis

NFSC399 Special Problems in Food Science (PermReq)
(1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

NFSC440 Advanced Human Nutrition
(4) REG/P-F/AUD.

Prerequisites: NFSC 100 or NFSC 200; and BCHM 462; and ZOO 422. Formerly NUTR 440. A critical study of physiologic, molecular and metabolic influences on utilization of carbohydrates, lipids, proteins, vitamins, macro- and micro-minerals, and nonnutritive components of food. Interactions of these nutrients and food components will be examined relative to maintaining health.

0101 (13722) Cooney, K. M TuWThF 9:00am-12:00pm (PS 1180)

NFSC468 Practicum in Nutrition
(1-6) S-F.

0101 (13732) Curtis, S. Time and room to be arranged

NFSC490 Special Problems in Nutrition (PermReq)
(2-) REG/P-F/AUD.

Prerequisites: NFSC 440 and permission of department. Formerly NUTR 490. Individual selected problems in the area of human nutrition.

0101 (13743) STAFF Time and room to be arranged

NFSC678A Selected Topics in Nutrition (PermReq)
(1-6) REG/AUD.

0101 (13754) STAFF Time and room to be arranged

NFSC699 Problems in Nutrition and Food Science (PermReq)
(1-4) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

NF5C799 Master's Thesis Research
(PermReq)
(1-6) REG/S.F.

Individual instruction course: contact department or instructor to obtain section number.

NF5C899 Doctoral Dissertation
Research *(PermReq)*
(1-8) REG/S.F.

Individual instruction course: contact department or instructor to obtain section number

NRMT Natural Resources Management

(AGRICULTURE AND NATURAL RESOURCES)

NRMT389 Internship *(PermReq)*
(3) S.F.

0101 (13820) Kangas, P. Time and room to be arranged

NRMT489 Field Experience *(PermReq)*
(1-4) REG/P.F/AUD.

0101 (13830) Kangas, P. Time and room to be arranged

PBIO Plant Biology

(LIFE SCIENCES)

PB10100 Plant Biology for Non-Science Students
(3) REG/P.F/AUD.

For non-science majors only. Not open to students who have completed BIOL 105. Formerly BOTN 104. A basic course in plant biology specifically designed for the non-science student. Emphasis is placed on an evolutionary and ecological approach to studying fundamental concepts and processes of plants, their place in the biosphere, the importance of plants to man, and the manner in which humans impact on plants and their environment. This course will not count toward graduation requirements for any student in the College of Life Sciences or the College of Agriculture.

0101 (13881) Kones, P. MiTuWThF 11 00am-12:20pm (HP 2242)

PB10101 Laboratory in Plant Biology
(1) REG/P.F/AUD.

Pre- or corequisite: PB10 100. For non-science majors only. Formerly BOTN 105. Laboratory investigations for the non-science student into the processes and functions of plants, their evolution, adaptations and ecological roles. This course will not count toward graduation requirements for any student in the College of Life Sciences or the College of Agriculture.

0101 (13891) Kones, P. TuTh 8:00am-11 00am (HP 1125) Lab

PB10235 Environmental Science
(3) REG/P.F/AUD.

CORE: Life Science (LS) Formerly BOTN 217. Basic ecological principles as they relate to the ecological dilemmas of overpopulation, pollution, increasing consumption of natural resources, and deteriorating land use effects facing mankind today.

0101 (13901) Kones, P. MiTuWThF 9 00am-10:20am (HP 2242)

PB10399 Research Problems in Plant Biology *(PermReq)*
(1-3) REG/P.F/AUD

Individual instruction course: contact department or instructor to obtain section number

PB10699 Special Problems in Plant Biology *(PermReq)*
(1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number

PB10799 Master's Thesis Research
(PermReq)
(1-6) REG/S.F.

Individual instruction course: contact department or instructor to obtain section number.

PB10899 Doctoral Dissertation
Research *(PermReq)*
(1-8) REG/S.F.

Individual instruction course: contact department or instructor to obtain section number

PHIL Philosophy

(ARTS AND HUMANITIES)

PHIL100 Introduction to Philosophy
(3) REG/P.F/AUD.

CORE: Humanities (HO) An introduction to the literature, problems, and methods of philosophy either through a study of some of the main figures in philosophic thought or through an examination of some of the central and recurring problems of philosophy.

0101 (13968) Norton, S. MiTuWThF 10:30am-11:50am (SKN 1115)

PHIL140 Contemporary Moral Issues
(3) REG/P.F/AUD.

CORE: Humanities (HO) The uses of philosophical analysis in thinking clearly about such widely debated moral issues as abortion, euthanasia, homosexuality, pornography, reverse discrimination, the death penalty, business ethics, sexual equality, and economic justice.

0101 (13979) Skipper, R. MiTuWThF 1:30pm-3:10pm (SKN 1115)

PHIL250 Philosophy of Science I
(3) REG/P.F/AUD.

CORE: Humanities (HO) Main issues in the philosophy of science. Special attention to the ways scientific developments have influenced the philosophy of science and how philosophy of science has influenced scientific progress. Case studies of selected historical episodes in which science and philosophy have interacted significantly, focusing on the physical, biological, or social sciences.

0101 (14010) Kastner, R. MiTuWThF 12:00pm-1:20pm (SKN 1112)

PHIL308G Studies in Contemporary
Philosophy: Sexual Morality
(3) REG/P.F/AUD.

Sexual Morality (Philosophy 308G) is an ethics course in which we will discuss how one ought to behave in a sexual relationship and what social policies ought to be instituted regarding sexual behavior. Questions we will be examining include: Is the institution of marriage law to women? Are abortions often ever morally permissible? If and when are abortions morally permissible? Should pornography be censored? Should homosexuals be allowed to serve in the military?

0101 (14020) Emshower, G. MiTuWTh 12:00pm-1:40pm (SKN 1116)

PHIL328A Studies in the History
of Philosophy: Asian
Philosophy
(3) REG/P.F/AUD.

This class will focus on Eastern schools of thought that originated in India, China and Japan. Using original sources and secondary texts, we will do a broad critical survey of schools of thought such as Buddhism, Hinduism, Confucianism, taoism, Zen, and possibly also Gaudhian thought.

0101 (14040) Trivedi, S. TuWTh 2:00pm-4:15pm (SKN 1112)

PHIL342 Moral Problems in Medicine
(3) REG/P.F/AUD

Prerequisite: PHIL 100, PHIL 140, or permission of department. A critical examination of the moral dimensions of decision-making in health related contexts. Readings are drawn from philosophical, medical, and other sources.

Readings from philosophical, legal, and medical sources will provide an opportunity for the class to debate ethical issues such as abortion, birth control, eugenics, euthanasia, the allocation of scarce medical resources, addiction, genetic testing, evolution of disease resistant bacteria, the challenge of alternative medicine, considerations of culture and gender in medical treatment, privacy and confi-

dentiality, the use of human and subjects in experimentation, and mental health treatment of the unwilling patient.

0101 (14050) Dougherty, J. TuWTh 7:00pm-9:15pm (SKN 1116)

PHIL490U Topical Investigations
(1-3) REG/P.F/AUD.

0101 (14080) STAFF. Time and room to be arranged

PHIL680U Selected Problems in
Philosophy
(1-3) REG/AUD

0101 (14100) STAFF. Time and room to be arranged

PHIL788U Research in Philosophy
(1-6) REG/AUD

0101 (14120) STAFF. Time and room to be arranged

PHIL799 Master's Thesis Research
(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number. Contact department to make arrangements.

PHIL899 Doctoral Dissertation
Research
(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number. Contact department to make arrangements.

PHYS Physics

(COMPUTER, MATHEMATICAL AND PHYSICAL SCIENCES)

PHYS121 Fundamentals of Physics I
(4) REG/P.F/AUD.

CORE: Physical Science Lab (PL) Prerequisite: previous course work in trigonometry or MATH 115. The first part of a two-semester course in general physics treating the fields of mechanics, heat, sound, electricity, magnetism, optics, and modern physics. Together with PHYS 122, this generally satisfies the minimum requirement of medical and dental schools.

0101 (14193) Restoff, K. MiTuWThF 9:30am-10:50am (PHY 1410)

TuTh 12:00pm-2:00pm (PHY 3306) Lab

MW 11 00am-11 50am (PHY 4208) Dis

MiTuWThF 9:30am-10:50am (PHY 1410)

TuTh 2:00pm-4:00pm (PHY 3306) Lab

TuTh 1:00pm-1:50pm (PHY 1219) Dis

PHYS122 Fundamentals of Physics II
(4) REG/P.F/AUD

CORE: Physical Science Lab (PL) Prerequisite: PHYS 121 or equivalent. A continuation of PHYS 121, which together with it, generally satisfies the minimum requirement of medical and dental schools.

0101 (14205) Rappert, M. MiTuWThF 9:30am-10:50am (PHY 0405)

TuTh 12:00pm-2:00pm (PHY 0405) Dis

MW 11 00am-11 50am (PHY 0405) Dis

MiTuWThF 9:30am-10:50am (PHY 0405)

TuTh 2:00pm-4:00pm (PHY 3316) Lab

TuTh 1:00pm-1:50pm (PHY 1221) Dis

PHYS161 General Physics: Mechanics
and Particle Dynamics
(3) REG/P.F/AUD.

CORE: Physical Science (PS) Pre- or corequisite: MATH 141. Credit will not be granted for PHYS 171 and PHYS 161 or PHYS 141 or former PHYS 191. First semester of a three-semester calculus based general physics course. Laws of motion, force, and energy; principles of mechanics, collisions, linear momentum, rotation, and gravitation.

0101 (14219) STAFF. MiTuWThF 9:30am-10:50am (PHY 1402)

PHYS263 General Physics:
Electrodynamics, Light,
Relativity and Modern
Physics
(4) REG/P.F/AUD

CORE: Physical Science Lab (PL) Prerequisite: PHYS 262. Corequisite: PHYS 263A. Credit will not be granted for PHYS 273 and PHYS 263 or former PHYS 293. Third semester of a three-semester calculus-based general physics course. Electrodynamics, Maxwell's equations, and electromagnetic waves, geometrical optics, interference and diffractions, special theory of relativity, and modern physics. PHYS 263A is the lab for this course.

0101 (14241) STAFF. MiTuWThF 9:30am-10:50am (PHY 1219)

MW 11 00pm-4 00pm (PHY 3220) Lab

MW 11 00am-12:00pm (PHY 4220) Dis

PHYS299 Special Problems in Physics
(PermReq)
(1-6) REG/P.F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

PHYS399 Special Problems in Physics
(PermReq)
(1-3) REG/P.F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

PHYS429 Atomic and Nuclear Physics
Laboratory
(3) REG/P.F/AUD.

This course meets either Summer Session I plus the first two weeks of Summer Session II.

0101 (14255) STAFF. Meets 06/01/99-07/23/99. MiTu 10:00pm-6:00pm (PHY 3112) Lab

PHYS499 Special Problems in Physics
(PermReq)
(1-16) REG/P.F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

PHYS621 Graduate Laboratory
(3) REG/AUD.

Prerequisite: PHYS 405 or equivalent. Design and performance of advanced experiments in modern and classical physics. The course meets entire Summer Session I plus the last four weeks of Summer Session II.

0101 (14267) STAFF. Meets 06/01/99-08/10/99. MiTu 1:00pm-6:00pm (PHY 3112)

PHYS798 Special Problems in
Advanced Physics *(PermReq)*
(1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number. Contact department to make arrangements.

PHYS799 Master's Thesis Research
(PermReq)
(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number

PHYS899 Doctoral Dissertation
Research *(PermReq)*
(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number

PSYC Psychology

(BEHAVIORAL AND SOCIAL SCIENCES)

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available. The Department of Psychology enforces prerequisites. Students who do not meet course prerequisites will be administratively dropped from the course.

PSYC100 Introduction to Psychology

(3) REG/P-F/AUD.

CORE: Behavioral and Social Science (58) A basic introductory course, intended to bring the student into contact with the major problems confronting psychology and the more important attempts of their solution.

0101 (14332) Smith, B. M/WThF 9:30am-10:50am (ZOP 1236)

PSYC200 Statistical Methods in Psychology (PermReq)

(3) REG/P-F/AUD.

Prerequisite: PSYC 100, and MATH 111 or MATH 140 or MATH 220. A basic introduction to quantitative methods used in psychological research.

0101 (14342) Wonnell, I. M/WThF 9:30am-11:00am (ZOP 1236)

PSYC221 Social Psychology

(3) REG/P-F/AUD.

Prerequisite: PSYC 100. The influence of social factors on the individual and on interpersonal behavior. Includes topics such as conformity, attitude change, person perception, interpersonal attraction, and group behavior.

0101 (14353) Spiegel, S. TuTh 1:00pm-4:20pm (ZOP 2283)

PSYC235 Psychology of Adjustment

(3) REG/P-F/AUD.

Prerequisite: PSYC 100. Theory and research on the psychology of personal adjustment in everyday life, with an emphasis on self-control, emotions, self-control, interpersonal relations, and stress.

0101 (14364) Smith, B. M/WThF 11:00am-12:20pm (ZOP 1238)

PSYC335 Adult Psychopathology

(3) REG/P-F/AUD.

Prerequisite: PSYC 100. Credit will be granted for only one of the following: PSYC 333 and PSYC 331 or PSYC 431. The nature, diagnosis, etiology, and treatment of mental disorders among adults.

0101 (14394) Nakayama, E. Wf 12:30pm-3:50pm (MCB 1207)

PSYC355 Child Psychology

(3) REG/P-F/AUD.

Prerequisite: PSYC 100. Not open to students who have completed PSYC 333. Survey of research and theory of psychological development from conception through childhood, stressing physiological, conceptual and behavioral changes, and the social and biological context in which individuals develop.

0101 (14414) Jacobson, J. M/WThF 12:30pm-1:50pm (ZOP 1236)

PSYC434 Severe Mental Disorders: Etiology and Treatment

(3) REG/P-F/AUD.

Prerequisites: PSYC 200, and PSYC 301, and PSYC 353, or permission of department. Examines multiple perspectives on severe mental illnesses such as schizophrenia and the major affective disorders. Integrates the biological findings with the human experience of these illnesses, their cultural and socio-political aspects, and their psychological, pharmacological, and social-service treatments. Opportunity is provided for interacting with persons suffering from these illnesses.

0101 (14435) Coursey, R. MW 1:00pm-4:20pm (ZOP 1124)

PSYC436 Introduction to Clinical Psychology

(3) REG/P-F/AUD.

Prerequisite: PSYC 200 or equivalent. Critical analysis of clinical psychology, with particular emphasis on current developments and trends.

0101 (14454) Coursey, R. TuTh 5:00pm-8:20pm (ZOP 1236)

PSYC469H Honors Thesis Proposal Preparation

(1-3) REG/P-F/AUD.

0101 (14455) STAFF Time and room to be arranged

PSYC478 Independent Study in Psychology (PermReq)

(1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

PSYC479 Special Research Problems in Psychology (PermReq)

(1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

PSYC499H Honors Thesis Research

(3) REG/P-F/AUD.

0101 (14470) STAFF Time and room to be arranged

PSYC788 Special Research Problems

(1-4) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

PSYC789 Special Research Problems

(1-4) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

PSYC799 Master's Thesis Research

(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

PSYC899 Doctoral Dissertation Research

(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

PUAF Public Affairs

(PUBLIC AFFAIRS)

PUAF640 Microeconomic Theory and Policy Analysis

(3) REG/AUD.

For PUAF majors only or permission of department. The application of microeconomic theory to public policy problems. The theory of resource allocation in the firm and by the individual consumer; the response of these economic agents to changes in incentives; the properties of market allocators in competitive and non-competitive environments; the nature of market failures, and government interventions to remedy those failures.

0101 (14537) STAFF Meets 06/07/99-08/16/99 M 6:40pm-10:00pm (VNH 1107)

PUAF650 Normative Analysis

(3) REG/AUD.

For PUAF majors only or permission of department. The normative or philosophical issues involved in public policy issues: the limits and usefulness of decision making tools like cost/benefit analysis, problems of choosing, justifying and using criteria to judge a program's success and/or appropriateness, and questions of personal conduct. Consideration of such policy problems as tariffs, income distribution, and reverse discrimination.

0101 (14547) STAFF Meets 06/03/99-08/19/99 Th 6:40pm-10:00pm (VNH 1107)

PUAF670 Finance

(3) REG/AUD.

For PUAF majors only or permission of department. Introduction to principles of resource allocation over time, role of debt in context of changing sources of governmental revenues, long and short-term debt instruments, analysis of mixed public-private economic development projects, leasing, and the impact of borrowing devices.

0101 (14558) STAFF Meets 06/02/99-08/25/99 W 6:40pm-10:00pm (VNH 1107)

PUAF798B Readings in Public Policy

(1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

PUAF899 Doctoral Dissertation Research

(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

RUSS Russian

(ARTS AND HUMANITIES)

RUSS386 Experiential Learning (PermReq)

(3-6) REG/P-F.

Prerequisite: permission of department. 56 semester hours.

0101 (14741) Martin, C. Time and room to be arranged

RUSS798 Independent Study

(1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

SLAV Slavic

(ARTS AND HUMANITIES)

SLAV499 Directed Study (PermReq)

(1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

SOCY Sociology

(BEHAVIORAL AND SOCIAL SCIENCES)

SOCY100 Introduction to Sociology

(3) REG/P-F/AUD.

CORE: Behavioral and Social Science (58) The fundamental concepts and principles of sociology. Includes consideration of culture, patterns of social interaction, norms, values, social institutions, stratification, and social change.

0101 (14853) Lenggemann, J. TuTh 9:00am-12:20pm (ASY 2309)

SOCY105 Introduction to Contemporary Social Problems

(3) REG/P-F/AUD.

CORE: Behavioral and Social Science (58) An examination of contemporary social problems through sociological perspectives; ways in which social problems are part of the organization of society; a detailed study of selected social problems including social conflict and social inequality.

0101 (14864) Zonane-Maghadom, L. M/WThF 9:00am-10:40am (ARC 1105)

SOCY201 Introductory Statistics for Sociology

(4) REG/P-F/AUD.

Prerequisite: SOCY 100 and MATH 111 or equivalent. Not open to students who have completed BMGT 231, ENEE 324, or STAT 400. Credit will be granted for only one of the following: AREC 484, BIOM 381, BMGT 230, CNEC 400, ECON 321, EOMS 451, GEOG 305, CVPT 422, PSYC 200, SOCY 201, URSP 350, or TEXT 400. Elementary descriptive and inferential statistics. Construction and percentaging of bivariate contingency tables, frequency distributions and graphic presentations, measures of central tendency and

dispersion, parametric and nonparametric measures of association and correlation, regression, probability, hypothesis testing, the normal, binomial and chi-square distributions; point and interval estimates.

0101 (14874) STAFF M/WThF 1:00pm-2:20pm (ASY 1213) TuTh 9:30am-11:00am (ASY 1213) lab

SOCY325 The Sociology of Gender

(3) REG/P-F/AUD.

DIVERSITY Prerequisite: 3 credits of sociology. Also offered as WMST 325. Credit will be granted for only one of the following: SOCY 325 or WMST 325. Institutional bases of gender roles and gender inequality, cultural perspectives on gender, gender socialization, feminism, and gender-role change. Emphasis on contemporary American society.

0101 (14904) Hunt, J. M/WThF 12:30pm-2:20pm (ARC 1105)

SOCY380 Honors Independent Reading in Sociology

(3) REG/P-F.

Prerequisite: permission of department. Formerly SOCY 378. This course permits sociology honors students to undertake a program or reading on a particular problem in sociology or a subfield therein. The reading will be done under the supervision of a member of the sociology faculty. Required of sociology honors students.

0101 (14915) STAFF Time and room to be arranged

SOCY381 Honors Independent Research in Sociology

(3) REG/P-F.

Prerequisite: SOCY 380. Formerly SOCY 388. This course permits sociology students to define a particular problem in sociology or a subfield therein and to develop a research plan for use as a thesis topic. The work will be done under the supervision of a member of the sociology faculty.

0101 (14926) STAFF Time and room to be arranged

SOCY383 Honors Thesis Research

(3) REG/P-F.

Prerequisite: SOCY 381. Formerly SOCY 389. Student research under the direction of a member of the sociology faculty, culminating in the presentation and defense of a thesis reporting the research.

0101 (14937) STAFF Time and room to be arranged

SOCY386 Experiential Learning (PermReq)

(3-6) REG/P-F.

Individual instruction course: contact department or instructor to obtain section number. **Prerequisite:** permission of department. 56 semester hours.

SOCY398 Special Topics in Sociology: American Society

(3) REG/P-F/AUD.

0101 (14950) Hunt, L. TuTh 1:00pm-4:20pm (ASY 2309)

SOCY399 Independent Study in Sociology (PermReq)

(1-6) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

SOCY441 Social Stratification and Inequality

(3) REG/P-F/AUD.

Prerequisite: 6 credits of sociology or permission of department. Junior standing. The sociological study of social class, status, and power. Topics include theories of stratification, correlates of social position, functions and dysfunctions of social inequality, status inconsistency, and social mobility.

0101 (14972) Pease, J. TuTh 9:00am-11:15am (ARC 1103)

SOCY699 Special Social Problems

(1-16) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

SOCY799 Master's Thesis Research (1-6) REG.

Individual instruction course; contact department or instructor to obtain section number.

SOCY899 Doctoral Dissertation Research (1-8) REG.

Individual instruction course; contact department or instructor to obtain section number.

SPAN Spanish

(ARTS AND HUMANITIES)

The language of instruction in all courses is Spanish unless otherwise noted.

SPAN101 Elementary Spanish I (4) REG/P-F/AUD

Prerequisite: No previous Spanish; high school level 7 Spanish with grade of A or B; high school level 2 Spanish with a grade of C or below. Not open to native/fluent speakers of Spanish. Introduction to the functions and structures of the Spanish language, with emphasis on the four skills of listening, speaking, reading and writing.

0101 (15057) Klimovsky, C. MW/TH 9:30am-11:45am UMZ 2207

SPAN102 Elementary Spanish II (4) REG/P-F/AUD

Prerequisite: SPAN 101 at UMCP or equivalent. Not open to native/fluent speakers of Spanish. Further study of the functions and structures of the Spanish language, with emphasis on the four skills of listening, speaking, reading and writing.

0101 (15068) Degiovanni, F. MW/TH 9:30am-11:45am UMZ 0103

SPAN201 Intermediate Spanish (4) REG/P-F/AUD

CORE: Humanities (H0) **Prerequisite:** SPAN 102 or SPAN 103 at high school level 3 Spanish with a grade of A or B or permission of department. 4 Spanish with a C or below. Not open to native/fluent speakers of Spanish. Formerly SPAN 203. Continued development of the functions and structures of the Spanish language with emphasis on the four skills of listening, speaking, reading and writing.

0101 (15079) Magliocco, L. MW/TH 9:30am-11:45am UMZ 2206

SPAN202 Intermediate Grammar and Composition (3) REG/P-F/AUD

CORE: Humanities (H0) **Prerequisite:** SPAN 201 or high school level 4 or 5 with a grade of A or B or permission of department. **Corequisite:** SPAN 207 and/or SPAN 211. Not open to native/fluent speakers of Spanish. Formerly SPAN 204. An in-depth study and analysis of selected grammatical topics with emphasis on composition, writing and reading.

0101 (15091) Thomsson, K. TuTh 6:00am-9:15am UMZ 1215

SPAN222 Cultural Difference in Contemporary Latin America (3) REG/P-F/AUD

CORE: Literature (LH) DIVERSITY Introduction to representations and expressions in Latin America: cultural stereotypes, representations of difference, forms of discrimination, sublimation of difference into national identity, and the staging of the other. Taught in English.

0101 (15101) Pares, P. MW 9:30am-12:45pm UMZ 1215

SPAN311 Advanced Conversation I (3) REG/P-F/AUD

Prerequisite: SPAN 202 or SPAN 211 or permission of department. Not open to native/fluent speakers of Spanish. Further development of listening and speaking skills in Spanish. Opportunity to develop oral fluency improve pronunciation and increase vocabulary. Individual and/or group and presentations.

0101 (15122) Marango, M. MW 6:00pm-9:15pm UMZ 2207

SPAN386 Experiential Learning (PermReq) (3-6) REG/P-F

Prerequisite: permission of department. 5a semester hours.

0101 (15153) STAFF Time and room to be arranged

SPAN408 Great Themes of the Hispanic Literatures: Parody of Love in the Middle Ages: El Libro de Buen Amor (3) REG/P-F/AUD

0101 15176 Benito-Viveses, C. TuTh 6:00pm-9:15pm UMZ 2207

SPAN449 Special Topics in Spanish Civilization: Pioneer Feminists: Women in Medieval Castile (3) REG/P-F/AUD

0101 15237 Benito-Viveses, C. MW 6:00pm-9:15pm UMZ 0118

SPAN699 Independent Study in Spanish (1-3) REG/AUD

Individual instruction course; contact department or instructor to obtain section number.

SPAN799 Master's Thesis Research (1-6) REG

Individual instruction course; contact department or instructor to obtain section number.

SPAN899 Doctoral Dissertation Research (1-8) REG

Individual instruction course; contact department or instructor to obtain section number.

STAT Statistics and Probability

(COMPUTER, MATHEMATICAL AND PHYSICAL SCIENCES)

STAT100 Elementary Statistics and Probability (3) REG/P-F/AUD

CORE: Mathematics or Formal Reasoning. MS. **Prerequisite:** department of Math Department based on satisfactory score on Math placement exam or MATH 110 or MATH 115. Not open to students who have completed MATH 111 or any MATH or STAT course with a prerequisite of MATH 141. Credit will be granted for only one of the following: MATH 111 or STAT 100. Simplest tests of statistics hypotheses; applications to before-and-after and matched pair studies. Events, probability, combinations, independence, Binomial probabilities, confidence limits, random variables, expected values, median, variance. Tests based on ranks. Law of large numbers, normal approximation. Estimates of mean and variance.

0101 15312 STAFF MW/TH 8:00am-9:20am MTH 30421

STAT400 Applied Probability and Statistics I (3) REG/P-F/AUD

Prerequisite: MATH 141. Not acceptable toward graduate degrees in STAT, MATH, or MATH. Credit will be granted for only one of the following: STAT 400 or ENEE 324. Random variables, standard distributions, moments, law of large numbers and central limit theorem. Sampling methods, estimation of parameters, testing of hypotheses.

0102 15324 STAFF MW/TH 9:30am-10:50am (MTH 3007)

0103 15325 STAFF MW/TH 11:00am-12:20pm MTH 0105

STAT798A Selected Topics in Statistics (1-4) REG/AUD

0101 15327 STAFF Time and room to be arranged

STAT799 Master's Thesis Research (1-6) REG

Individual instruction course; contact department or instructor to obtain section number.

STAT899 Doctoral Dissertation Research (1-8) REG

Individual instruction course; contact department or instructor to obtain section number.

SURV Survey Methodology

(BEHAVIORAL AND SOCIAL SCIENCES)

SURV623 Data Collection Methods in Survey Research (3) REG/AUD

Review of alternative data collection methods used in surveys, concentrating on the "modern" techniques used on the quality of survey data including measurement error, nonresponse, and coverage error. Reviews of the literature on major mode comparisons: face-to-face interviewing, telephone survey and self-administered questionnaires, and alternative collection methods (diaries, administrative records, direct observation, etc.). The statistical and social science literatures on interviewer effects and nonresponse, and current advances in computer-assisted telephone interviewing (CATI), computer-assisted personal interviewing (CAPI), and other methods such as touch-tone data entry (TDE) and voice recognition (VR).

0101 15481 STAFF TuTh 5:15pm-8:00pm Weeds/Os 9907 29 99

Course is taught in conjunction with the University of Michigan. Class meets 6:55-7:10: 99 from 5:15 to 5:00pm and 7:19-99:7 29 99 from 6:15 to 9:00.

SURV625 Applied Sampling (3) REG/AUD

Prerequisite: statistics course approved by the department. Practical aspects of sample design; topics include: probability sampling including simple random, systematic, stratified, clustered, multi-stage and "worship" sampling methods; sampling with probabilities proportional to size, area sampling, telephone sampling, and estimation, sampling error estimation, frame problems, non-response, and cost factors.

0101 15491 Karkk, C. MW 5:15pm-8:00pm Weeds/Os 9907 28 99 LEF 1208

Course is taught in conjunction with the University of Michigan.

SURV699 Special Topics in Survey Methodology (PermReq) (1-4) REG/AUD

0101 15501 Graves, R. Time and room to be arranged

SURV722 Randomized/Nonrandomized Design (3) REG/AUD

Prerequisite: SURV 625. Research designs from which causal inferences are sought. Classical experimental design will be contrasted with quasi-experiments, evaluation studies, and other observational study designs. Emphasis placed on how design features impact the nature of statistical analysis and inference from the designs. Issues of blocking, balancing, repeated measures, control strategies, etc.

0101 15511 Devroy, C. TuTh 5:30pm-8:15pm LEF 1201

THET Theatre

(ARTS AND HUMANITIES)

THET110 Introduction to the Theatre (3) REG/P-F/AUD

CORE: History or Theory of Arts (HA). Introduction to the people of the theatre, actors, directors, designers and backstage personnel. The core and characteristics of a play script; theatrical forms and styles; and theatre history.

0101 15561 Hebert, M. MW/TH 11:00am-12:20pm TWS 2228

THET120 Acting I (3) REG/P-F/AUD

Prerequisite: THET 110 or permission of department. Basic principles of acting techniques. Exercises structured to develop the student's concentration, imagination, sense and emotional memory.

Textual analysis, character analysis and scene study; and the application of these techniques to character portrayal through performance of short scenes.

0101 15572 Hebert, M. MW/TH 9:30am-10:50am TWS 1229

THET386 Experiential Learning (PermReq) (3-6) REG/P-F

Individual instruction course; contact department or instructor to obtain section number. **Prerequisite:** permission of department. 5a semester hours.

THET499 Independent Study (PermReq) (3) REG

Individual instruction course; contact department or instructor to obtain section number.

THET699F Independent Study (1-3) REG/AUD

0101 15606 STAFF Time and room to be arranged

THET789 Master's Practicum (PermReq) (1-6) REG/AUD

Individual instruction course; contact department or instructor to obtain section number.

THET799 Master's Thesis Research (PermReq) (1-6) REG

Individual instruction course; contact department or instructor to obtain section number.

THET899 Doctoral Dissertation Research (1-8) REG/AUD

Individual instruction course; contact department or instructor to obtain section number.

UMEI Maryland English Institute

(ARTS AND HUMANITIES)

UMEB001 English as a Foreign Language: Beginning (PermReq) (12) 5-F

Intensive course for the non-native speaker of English who has little or no previous knowledge of English. Focus on the rapid acquisition of the basic features of English grammar and pronunciation and on speaking and understanding American English; reading and writing appropriate to the level will be included. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101 15671 Cavanaugh, A. Weeds/Os 14 99-08 '06 '99 MW/TH 9:00am-12:00pm IARC 1121

MW/TH 1:00pm-3:00pm IARC 1121

0102 15672 STAFF Weeds/Os 14 99-08 '06 '99 Time and room to be arranged

UMEB002 English as a Foreign Language: Intermediate I (PermReq) (12) 5-F

Intensive course for the non-native speaker of English who has had some previous instruction in English. Emphasis on improving listening and speaking skills, on mastering intermediate grammatical structures, and on expanding vocabulary. Includes practice in Reading and writing appropriate to the level. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101 15682 Kilday, K. Weeds/Os 14 99-08 '06 '99 MW/TH 9:00am-12:00pm IARC 1123

MW/TH 1:00pm-3:00pm IARC 1123

0102 15683 STAFF Weeds/Os 14 99-08 '06 '99 Time and room to be arranged

UMF003 English as a Foreign Language: Intermediate II (PermReq) (12) S-F

Intensive course for the non-native speaker of English who has mastered the essential structures of English grammar. Emphasis on improving communicative skills for a wide range of linguistic situations, on rapid expansion of vocabulary, and on improving reading comprehension and basic writing skills. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101 (15693) Lipowitz, H.
Meets 06/14/99-08/06/99
MtuWThF 10:00am-12:00pm (TWS 2212)
MtuWThF 1:00pm-3:00pm (TWS 2212)

0102 (15694) STAFF
Meets 06/14/99-08/06/99 Time and room to be arranged

UMF004 English as a Foreign Language: Intermediate III (PermReq) (12) S-F

Intensive course for the non-native speaker of English who has a good command of the basic features of spoken and written English. Emphasis on refining speaking and listening skills, on improving reading speed and comprehension of academic texts, and on developing writing skills for academic courses. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101 (15704) STAFF
Meets 06/14/99-08/06/99
MtuWThF 9:00am-11:00am (TWS 2228)
MtuWThF 1:00pm-3:00pm (TWS 2228)

0102 (15705) Gray, H.
Meets 06/14/99-08/06/99
MtuWThF 9:00am-12:00pm (PLS 1158)
MtuWThF 1:00pm-3:00pm (PLS 1158)0103 (15706) Anderson, J.

Meets 06/14/99-08/06/99
MtuWThF 9:00am-12:00pm (COL 3114)
MtuWThF 1:00pm-3:00pm (COL 3114)

URSP Urban Studies and Planning

(ARCHITECTURE)

URSP3991 Independent Study (PermReq) (1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

URSP688L Recent Developments in Urban Studies: Field Research in Langley Park and the International Corridor (3) REG.

0101 (15789) Honza, W Time and room to be arranged
Seminar participants will undertake individual or small-group research-plus-service activities in the multicultural, multilingual neighborhoods and business areas along and near University Blvd from east of Riggs Road to just west of Piney Branch Road.

URSP688S Recent Developments in Urban Studies: Summer Program in St. Petersburg, Russia (1-6) REG.

0101 (15799) Howland, M.
Meets 06/14/99-07/09/99 Time and room to be arranged
The program will be divided into two graduate level courses, Urban Planning in St. Petersburg (URSP 688S) and Urban Design in St. Petersburg (ARCH 678S). The courses are offered simultaneously, with some sessions and field trips conducted jointly. One field trip will be to Moscow. U.S. students will work side by side with students from the St. Petersburg Institute for Architecture and Engineering. The planning and architecture students will develop a model end plan for the redevelopment of an historic section of St.

Petersburg. The plan will include drawings, a model, a financial feasibility analysis and a plan for implementation. MCP students may use this for their studio requirement if they also sign up for URSP 688S, Summer Session II.

URSP703 Community Planning Field Instruction and Practicum (PermReq) (3-6) REG.

Prerequisites: URSP 600, URSP 601, URSP 604, URSP 605 or permission from the Program. For MCP majors only. Formerly URSP 703. Concepts and ideas that have shaped the profession, current planning issues. Professional experience as intern in planning office. Weekly seminars focus on practical, theoretical, professional and ethical issues arising during internship.

0101 (15810) Baum, H. Tu 7:00pm-9:30pm (ARC 1121)

Time and room to be arranged. Ois

This course is part one of a 6 credit course, final 3 credits to be completed in Summer Session II. Students must sign up for both Summer Session I and II.

URSP788 Independent Study in Urban Studies and Planning (PermReq) (1-3) REG.

Individual instruction course: contact department or instructor to obtain section number.

URSP798 Readings in Urban Studies and Planning (PermReq) (1-3) REG.

Individual instruction course: contact department or instructor to obtain section number.

URSP799 Master's Thesis Research (PermReq) (1-6) REG/S-F.

Individual instruction course: contact department or instructor to obtain section number.

WMST Women's Studies

(ARTS AND HUMANITIES)

WMST210 Women in America to 1880 (3) REG/P-F/AUD.

CORE: Social or Political History (SH) DIVERSITY Also offered as HIST 210. Credit will be granted for only one of the following: WMST 210 or HIST 210. An examination of the economic, family, and political roles of colonial, slave, immigrant and frontier women in America from pre-industrial colonial period through the early stages of nineteenth century industrialization and urbanization.

0101 (16707) Lyons, C. MW 6:00pm-9:15pm (KEY 0126)

WMST250 Introduction to Women's Studies: Women, Art and Culture (3) REG/P-F/AUD.

CORE: History or Theory of Arts (HA) DIVERSITY An examination of women's creative powers as expressed in selected examples of music, film, art, drama, poetry, fiction, and other literature. Explores women's creativity in relation to families, religion, education, ethnicity, class, sexuality, and within a cultural tradition shaped by women.

0101 (15886) STAFF MtuWTh 11:00am-12:40pm (PLS 1111)

WMST255 Introduction to Literature by Women (3) REG/P-F/AUD.

CORE: Literature (HL) DIVERSITY Also offered as ENGL 250. Credit will be granted for only one of the following: WMST 255 or ENGL 250. Images of women in literature by and about women.

0101 (15896) Orlando, E TuTh 9:00am-12:15pm (SOH 2120)

WMST275 World Literature by Women (3) REG.

CORE: Literature (HL) DIVERSITY Also offered as CMLT 275. Credit will be granted for only one of the following: WMST 275 or CMLT 275. Comparative study of selected works by women writers of several countries, exploring points of intersection and divergence in

women's literary representations.

0101 (15907) Shah, M. TuTh 6:00pm-9:15pm (SOH 2120)

WMST325 The Sociology of Gender (3) REG/P-F/AUD.

DIVERSITY Prerequisite: 3 credits of sociology. Also offered as SOCY 325. Credit will be granted for only one of the following: WMST 325 or SOCY 325. Institutional boxes of gender roles and gender inequality, cultural perspectives on gender, gender socialization, feminism, and gender role change. Emphasis on contemporary American society.

0101 (15918) Hunt, J. MtuWTh 12:30pm-2:20pm (ARC 1105)

WMST400 Theories of Feminism (3) REG/P-F/AUD.

Prerequisite: one course in WMST or a course crosslisted with a WMST course. A study of the multiplicity of feminist theories which have been developed to explain women's position in the family, the workplace, and society. Major feminist writings are considered in the context of their historical moment and in the context of the intellectual traditions to which they relate.

0101 (15939) STAFF MtuTh 11:00am-1:15pm (PLS 1113)

WMST471 Women's Health (3) REG/P-F/AUD.

DIVERSITY Also offered as HLTH 471. Credit will be granted for only one of the following: WMST 471 or HLTH 471. The women's health movement from the perspective of consumerism and feminism: The physician-patient relationship in the gynecological and other medical settings. The gynecological exam, gynecological problems, contraception, abortion, pregnancy, breast and cervical cancer and surgical procedures. Psychological aspects of gynecological concerns.

0101 (15949) Desmond, S. MtuWThF 11:00am-12:20pm (HHP 1303)

0102 (15950) Hollmark, M. MW 5:30pm-9:00pm (HHP 1301)

WMST499 Independent Study: Individual Study in Women's Studies (PermReq) (1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number. Prerequisite: 3 hours of WMST and junior standing.

WMST699 Independent Study (PermReq) (1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number. By permission of instructor only.

ZOOL Zoology

(LIFE SCIENCES)

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

ZOOL201 Human Anatomy and Physiology I (4) REG/P-F/AUD.

CORE: Life Science Lab (LL) Prerequisite: BIOL 105 or equivalent Anatomy and physiology of the skeletal, muscular, neural, endocrine, and sensory systems. Not accepted as credit toward the zoology major.

0101 (16015) Kopp, J. MtuWTh 11:30am-12:50pm (ZOP 1243)

0102 (16016) Kopp, J. MtuWThF 11:30am-12:50pm (ZOP 1243)

0103 (16017) Kopp, J. MtuWThF 11:30am-12:50pm (ZOP 1243)

0104 (16018) Kopp, J. MtuWTh 4:00pm-7:00pm (ZOP 0205) Lab

0105 (16019) Kopp, J. MtuWTh 4:00pm-7:00pm (ZOP 0205) Lab

Students must pay a \$40.00 Laboratory Materials fee.

ZOOL211 Cell Biology and Physiology (4) REG/P-F/AUD.

Prerequisites: BIOL 105; and CHEM 103. Biochemical and physiological mechanisms underlying cellular function. Properties of cells which make life possible and mechanisms by which cells provide energy, reproduce, and regulate and integrate with each other and their environment.

0101 (16039) Compton, R. MtuWThF 11:30am-12:50pm (PLS 1130)

0103 (16041) Compton, R. MtuWTh 8:30am-11:30am (ZOP 0207) Lab

MtuWThF 11:30am-12:50pm (PLS 1130)

TuWTh 1:00pm-4:00pm (ZOP 0207) Lab

Students must pay a \$40.00 Laboratory Materials fee.

ZOOL299 Supplemental Study in Zoology (PermReq) (1-3) REG/P-F/AUD.

0101 (16052) STAFF Time and room to be arranged

ZOOL309H Honors Independent Study (PermReq) (1-4) REG/P-F/AUD.

Contact department to make arrangements.

0101 (16063) STAFF Time and room to be arranged

ZOOL318H Honors Research (PermReq) (1-2) REG/P-F/AUD.

Contact department to make arrangements.

0101 (16074) STAFF Time and room to be arranged

ZOOL319 Special Problems in Zoology (PermReq) (1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number. Contact department to make arrangements.

ZOOL326 Biology of Reproduction (3) REG/P-F/AUD.

Prerequisite: BIOL 105 or permission of department. Also offered as WMST 326. Credit will be granted for only one of the following: ZOOL 326 or WMST 326. The biology of the reproductive system with emphasis on mammals and, in particular, on human reproduction. Hormone actions, sperm production, ovulation, sexual differentiation, sexual behavior, contraception, pregnancy, lactation, maternal behavior and menopause.

0101 (16087) Roberts, R. MWF 8:00am-10:15am (ZOP 1238)

ZOOL328 Selected Topics in Zoology: Field Research (PermReq) (1-3) REG/P-F/AUD.

0101 (16097) STAFF Time and room to be arranged

ZOOL609 Special Problems in Zoology (PermReq) (1-6) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number. Contact department to make arrangements.

ZOOL708 Advanced Topics in Zoology (1-4) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ZOOL799 Master's Thesis Research (PermReq) (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

ZOOL899 Doctoral Dissertation Research (PermReq) (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number

SESSION II Course Listing

College Park Summer Sessions course offerings are updated daily on the World Wide Web of <http://www.testudo.umd.edu> and <http://www.inform.umd.edu/summer>. For a complete list of evening courses, see page 12.

AASP Afro-American Studies

(BEHAVIORAL AND SOCIAL SCIENCES)

AASP100 Introduction to Afro-American Studies
(3) REG/P-F/AUD.

CORE: Social or Political History (SH) DIVERSITY Significant aspects of the history of Afro-Americans with particular emphasis on the evolution and development of black communities from slavery to the present. Interdisciplinary introduction to social, political, legal and economic roots of contemporary problems faced by blacks in the United States with applications to the lives of other racial and ethnic minorities in the Americas and in other societies.

0201 (00002) Quinn, K. TuWTh 10:00am-12:15pm (PLS 1113)

AASP202 Black Culture in the United States
(3) REG/P-F/AUD.

CORE: Social or Political History (SH) DIVERSITY The course examines important aspects of American Negro life and thought which are reflected in Afro-American literature, drama, music and art. Beginning with the cultural heritage of slavery, the course surveys the changing modes of black creative expression from the nineteenth-century to the present.

0201 (00022) George, E. TuTh 11:00am-2:40pm (LEF 1221)

AASP498E Special Topics in Black Culture: Race, Gender and Identity
(3) REG/P-F/AUD.

This course focuses on the various ways in which race, gender, and class - along with other aspects of identity - shape the lives and experiences of people living in the United States. We will grapple with the ways in which the material world - the built environment and our urban areas in particular - influence our multiple identities and the ways in which we influence our material world.

0201 (00072) Quinn, K. TuTh 4:30pm-7:50pm (TLF 2101)

AGRO Agronomy

(AGRICULTURE AND NATURAL RESOURCES)

AGRO386 Experiential Learning (PermReq)
(3-6) REG/P-F.

Individual instruction course: contact department or instructor to obtain section number. Prerequisite: permission of department. 56 semester hours.

AGRO499 Special Problems in Agronomy
(1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

AGRO608 Research Methods
(1-4) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

AGRO799 Master's Thesis Research
(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

AGRO899 Doctoral Dissertation Research
(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

AMST American Studies

(ARTS AND HUMANITIES)

AMST203 Popular Culture in America
(3) REG/P-F/AUD.

CORE: Humanities (HD) An introduction to American popular culture, its historical development, and its role as a reflection of our influence on our culture and society.

0201 (00274) Mintz, L. MW 1:00pm-4:20pm (TLF 1101)

AMST330 Critics of American Culture
(3) REG/P-F.

Prerequisite: prior course in AMST, HIST, or SOCY. Philosophies of American social purpose and promise. Readings from "classical" American thinkers, contemporary social commentators, and American studies scholars.

0201 (00304) Thompson, J. TuTh 12:50pm-4:10pm (TLF 1101)

AMST386 Experiential Learning
(3-6) REG/P-F.

Individual instruction course: contact department or instructor to obtain section number. Prerequisite: permission of department. 56 semester hours.

AMST398 Independent Studies
(1-3) REG.

Individual instruction course: contact department or instructor to obtain section number.

AMST418E Cultural Themes in America: Race, Gender and Identity
(3) REG/P-F/AUD.

This course focuses on the various ways in which race, gender, and class, along with other aspects of identity, shape the lives and experiences of people living in the United States. We will examine the complex relationships between the construction of personal identities, the material realities of peoples' lived experiences, cultural and ideological meaning systems, and social institutions. We will grapple with the ways in which the material world, the built environment and our urban areas in particular, influences our multiple identities and ways in which we influence our material world.

0201 (00318) Quinn, K. TuTh 4:30pm-7:50pm (TLF 2101)

AMST429E Perspectives on Popular Culture: Television Situation Comedy
(3) REG/P-F/AUD.

0201 (00368) Mintz, L. MW 6:00pm-9:20pm (TLF 2101)

AMST698 Directed Readings in American Studies
(3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

COURSE PREFIX AND NUMBER

EVENING COURSE

CREDITS

GRADE METHOD

REG = A-F Grading

P-F = Pass/Fail

AUD = Audit Grading

MARS NUMBER

SESSION

LAST 2 DIGITS = COURSE SECTION

Sample Course Listing

AASP100 Introduction to Afro-American Studies
(3) REG/P-F/AUD.

CORE: Social or Political History (SH) DIVERSITY Significant aspects of the history of Afro-Americans with particular emphasis on the evolution and development of black communities from slavery to the present. Interdisciplinary introduction to social, political, legal and economic roots of contemporary problems faced by blacks in the United States with applications to the lives of other racial and ethnic minorities in the Americas and in other societies.

0201 (00002) Quinn, K. TuWTh 10:00am-12:15pm (PLS 1113)

AMST799 Master's Thesis Research
(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

AMST899 Doctoral Dissertation Research
(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

ANSC Animal Science

(AGRICULTURE AND NATURAL RESOURCES)

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

ANSC386 Experiential Learning (PermReq)
(3-6) REG/P-F.

Prerequisite: permission of department. 56 semester hours.

0201 (00444) STAFF Time and room to be arranged

ANSC399 Special Problems in Animal Science (PermReq)
(1-2) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ANSC660 Poultry Literature
(1-4) REG/AUD.

Readings on individual topics are assigned. Written reports required. Methods of analysis and presentation of scientific material are discussed.

0201 (00458) STAFF Time and room to be arranged

ANSC688 Special Topics: Mammary Gland Biology (PermReq)
(1-4) REG/AUD.

0201 (00468) STAFF Time and room to be arranged

ANSC699 Special Problems in Animal Science (PermReq)
(1-2) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ANSC799 Master's Thesis Research
(PermReq)
(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

ANSC899 Doctoral Dissertation Research (PermReq)
(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

ANTH Anthropology

(BEHAVIORAL AND SOCIAL SCIENCES)

ANTH386 Experiential Learning (PermReq)
(1-6) REG/P-F.

Individual instruction course: contact department or instructor to obtain section number. Prerequisite: permission of department. Recommended: completion of advanced courses in relevant subfield of anthropology. 56 semester hours. For ANTH majors only.

Approval of instructor required; check with Department for Section (and index) Number.

ANTH398A Independent Study (PermReq)
(1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

Approval of instructor required; check with Department for Section (and index) Number.

ANTH476 Senior Research (PermReq)
(3-4) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number. Prerequisite: ANTH 476; permission of department. For ANTH majors only. Credit will be granted for only one of the following: ANTH 476 or ANTH 486. Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of a senior thesis in anthropology.

ANTH477 Senior Thesis (PermReq)
(3-4) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number. Prerequisite: ANTH 476; permission of department. For ANTH majors only. Credit will be granted for only one of the following: ANTH 477 or ANTH 487. Capstone course in which students write a senior thesis on independent research into a current problem in anthropology. The thesis is defined before a committee of faculty.

SESSION II

ANTH486 Honors Research

(3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number. Prerequisites: permission of department; admission to University Honors Program or Anthropology Honors Program. For ANTH majors only. Credit will be granted for only one of the following: ANTH 486 or ANTH 476. Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of an honors thesis in anthropology.

ANTH487 Honors Thesis

(3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number. Prerequisites: ANTH 486, permission of department; admission to University Honors Program or Anthropology Honors Program. For ANTH majors only. Credit will be granted for only one of the following: ANTH 487 or ANTH 477. Capstone course in which students write a thesis on the results of independent research into a current problem in anthropology.

ANTH689A Special Problems in Anthropology (PermReq)

(1-6) REG/S-F.

Individual instruction course: contact department or instructor to obtain section number.

Approval of instructor required; check with Department for Section (and index) Number.

ANTH705 Internship (PermReq)

(3-12) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number. Prerequisite: ANTH 701. Problem-oriented internship with an appropriate public agency or private institution under the direction of a faculty and agency supervisor.

Approval of instructor required; check with Department for Section (and index) Number.

ANTH712 Internship Analysis

(3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number. Prerequisite: ANTH 705. The preparation and presentation of internship reports; development of skills in report writing and presentation. The completion of a professional quality report based on the internship experience. Review of problems in ethics and professional development.

Approval of instructor required; check with Department for Section (and index) Number.

ARCH Architecture

(ARCHITECTURE)

ARCH221 History of Architecture II

(PermReq)

(3) REG.

Prerequisite: ARCH 220 or permission of department. Survey of Western architectural history from the Renaissance to the Twentieth Century. With consideration of parallel developments in the Eastern World.

0201 (00876) Vanni, R. M TuWThF 9:00am-10:50am (ARC 1101)

ARCH223 History of Non-Western Architecture (PermReq)

(3) REG.

CORE: History or Theory of Arts (HA) DIVERSITY Survey of architectural history including prehistoric and vernacular; ancient civilizations of Egypt, Mesopotamia and the Indus valley; the Islamic world; Hindu and Buddhist traditions of Asia; and pre-European Africa and the Americas.

0201 (00887) Vanni, R. TuTh 7:00pm-1:00pm (ARC 1105)

ARCH428 Selected Topics in Architectural History (PermReq)

(1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number. Majors only. Contact L. Vanni for information.

ARCH429 Independent Studies in Architectural History (PermReq)

(1-4) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number. Majors only. Contact L. Vanni for information.

ARCH479 Independent Studies in Architecture

(1-4) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ARCH628 Selected Topics in Architectural History: Architectural History (PermReq)

(1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number. Majors only. Contact L. Vanni for information.

ARCH628I Selected Topics in Architectural History: Italian Modern Architecture (PermReq)

(1-3) REG/AUD.

0201 (01034) Schumacher, T. TuTh 7:00pm-10:20pm (ARC 1127)

ARCH629 Independent Studies in Architectural History (PermReq)

(1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number. Majors only. Contact L. Vanni for information.

ARCH678B Selected Topics in Architecture

(3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ARCH678F Selected Topics in Architecture: Facades

(3) REG/AUD.

0201 (01088) Schumacher, T. MW 7:00pm-10:20pm (ARC 1127)

AREC Agricultural and Resource Economics

(AGRICULTURE AND NATURAL RESOURCES)

AREC386 Experiential Learning (PermReq)

(3-6) REG/P-F.

Individual instruction course: contact department or instructor to obtain section number. Prerequisite: permission of department. 56 semester hours.

AREC399 Special Problems

(1-2) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

AREC699 Special Problems in Agricultural and Resource Economics

(1-2) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

AREC799 Master's Thesis Research

(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

AREC899 Doctoral Dissertation Research

(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

AREC899 Doctoral Dissertation Research

(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

ARTH Art History & Archaeology

(ARTS AND HUMANITIES)

ARTH200 Art of the Western World to 1300

(3) REG/P-F/AUD.

CORE: History or Theory of Arts (HA) Painting, sculpture, and architecture from prehistoric times to the Renaissance.

0201 (01461) Denny, D. M TuWTh 2:00pm-3:20pm (ASY 3215)

F 2:00pm-3:20pm (ASY 3215) Dis

ARTH201 Art of the Western World after 1300

(3) REG/AUD.

CORE: History or Theory of Arts (HA) Painting, sculpture, and architecture from the Renaissance to the present.

0201 (01471) Denny, D. M TuWTh 11:00am-12:20pm (ASY 3215)

F 11:00am-12:20pm (ASY 3215) Dis

ARTH290 Art of Asia

(3) REG/P-F/AUD.

CORE: History or Theory of Arts (HA) DIVERSITY South and East Asian art from prehistory through the mid-nineteenth century.

0201 (01482) Kuo, J. M TuWTh 9:30am-10:50am (ASY 3215)

F 9:30am-10:50am (ASY 3215) Dis

ARTH386 Experiential Learning (PermReq)

(3-6) REG/P-F.

Individual instruction course: contact department or instructor to obtain section number. Prerequisite: permission of department. 56 semester hours.

ARTH498 Directed Studies in Art History I (PermReq)

(2-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ARTH499 Honors Thesis (PermReq)

(2-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ARTH699 Special Topics in Art History

(3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ARTH799 Master's Thesis Research

(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

ARTH899 Doctoral Dissertation Research

(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

ARTT Art Studio

(ARTS AND HUMANITIES)

ARTT100 Two Dimensional Art Fundamentals

(3) REG/P-F/AUD.

Credit will be granted for only one of the following: ARTT 100, ARTS 100, OESN 101, or APOS 101. Formerly ARTS 100. Principles and elements of pictorial space examined through the manipulation and organization of various materials.

0201 (01564) Thorpe, J. M TuWTh 9:00am-11:30am (MMH 1417) Lab

ARTT110 Elements of Drawing I

(3) REG/P-F/AUD.

Formerly ARTS 110. Media and related techniques to depict still-life, figure and nature.

0201 (01575) Thorpe, J. M TuWTh 12:00pm-2:30pm (MMH 0401) Lab

ARTT150 Introduction to Art Theory

(3) REG/P-F/AUD.

CORE: History or Theory of Arts (HA) Examination of contemporary art; review of global, philosophic and critical positions by the examination of works of art.

0201 (01586) STAFF MW 12:00pm-3:20pm (ARC 1125)

ARTT210 Elements of Drawing II

(3) REG/P-F/AUD.

Prerequisite: ARTT 110. Formerly ARTS 210. Continuation of ARTT 110 with additional emphasis on pictorial space.

0201 (01617) Thorpe, J. M TuWTh 12:00pm-2:30pm (MMH 0401) Lab

ARTT320 Elements of Painting

(3) REG/P-F/AUD.

Prerequisite: ARTT 210. Formerly ARTS 320. Basic tools and language of painting. Oil and/or water-based paints. Section 0101 focuses on acrylic painting.

0201 (01628) French, C. M TuWTh 9:30am-12:00pm (ASY 3322) Lab

ARTT344 Elements of Printmaking: Lithography

(3) REG/P-F/AUD.

Prerequisite: ARTT 210. Formerly ARTS 344. Basic techniques and processes related to drawing, preparing and printing images on lithograph stones or plates.

0201 (01668) STAFF MW TuWTh 1:00pm-6:00pm (ASY 1317) Lab

Meets 07/19/99-08/05/99

This course is a special three week workshop in experimental lithography taught by visiting British professor Mark Wilson.

ARTT353 Elements of Photography

(3) REG/P-F/AUD.

Prerequisites: (ARTT 100 and ARTT 110) or permission of department. Introduction to black and white photography. Basic technical and aesthetic vocabulary, camera mechanics and darkroom techniques. Introduction to the photographic message and meaning in both fine art and design concept.

0201 (01679) Tyrrel, B. M TuWTh 1:00pm-4:00pm (MMH 0401)

Meets 07/12/99-08/06/99

ARTT418 Drawing

(3) REG/P-F/AUD.

0201 (01700) Thorpe, J. M TuWTh 12:00pm-2:30pm (MMH 0401) Lab

ARTT428 Painting

(3) REG/P-F/AUD.

Section 0101 will focus on acrylic paint.

0201 (01721) French, C. M TuWTh 9:30am-12:00pm (ASY 3322) Lab

ARTT488 Printmaking: Advanced Lithography

(3) REG/P-F/AUD.

0201 (01751) STAFF MW TuWTh 1:00pm-6:00pm (ASY 1317)

Meets 07/19/99-08/05/99

This course is a special three week workshop in experimental lithography taught by visiting British professor Mark Wilson.

ART14891 Advanced Special Topics in Art: Art and Art Theory (PermReq) (3) REG/P-F/AUD.

This course is an art course for students with experience in computer imaging. Students will be permitted to work according to their own level of expertise with the guidance of the instructor. Adobe Photoshop, Dto, Fractal Design Painter, MicroSoft Word, and Quark Express are some of the software programs that will be explored.

0201 (01781) Ratnapob, M. M TuWThF 12:30pm-3:00pm (NSY 3311E)

ART1498 Directed Studies in Studio Art (PermReq) (2-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ASTR Astronomy

(COMPUTER, MATHEMATICAL AND PHYSICAL SCIENCES)

ASTR100 Introduction to Astronomy (3) REG/P-F/AUD.

CORE: Physical Science (PS) Credit for ASTR 100 cannot be obtained after, or simultaneously with, receiving credit for any astronomy course numbered 250 or higher. Credit will be granted for only one of the following: ASTR 100 or ASTR 101 or ASTR 120. An elementary course in descriptive astronomy, especially appropriate for non-science students. Sun, moon, planets, stars and nebulae, galaxies, evolution. CORE: Physical Science Laboratory (PL) Course only when taken concurrently with ASTR 111. CORE: Physical Science Non-Laboratory (PS) Course when taken alone.

0201 (01853) STAFF M TuWThF 9:30am-10:50am (CSS 2400)

ASTR101 General Astronomy (4) REG/P-F/AUD.

CORE: Physical Science Lab (PL) Credit for ASTR 101 cannot be obtained after, or simultaneously with, receiving credit for any astronomy course numbered 250 or higher. Credit will be granted for only one of the following: ASTR 100 or ASTR 101 or ASTR 120. Descriptive astronomy, appropriate for non-science majors. Sun, moon, planets, stars, nebulae, galaxies and evolution. Laboratory exercises include use of photographic material, computer simulations and observing sessions if weather permits.

0201 (01863) STAFF M TuWThF 9:30am-10:50am (CSS 2400)
TuTh 11:00am-1:00pm (CSS 1109) Lab

ASTR699 Special Problems in Advanced Astronomy (1-6) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ASTR799 Master's Thesis Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

ASTR899 Doctoral Dissertation Research (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

BCHM Biochemistry

(LIFE SCIENCES)

BCHM462 Biochemistry II (3) REG/P-F/AUD.

Prerequisite: BCHM 461. A continuation of BCHM 461.

0201 (02050) STAFF M TuWThF 9:30am-10:50am (CHM 1402)

BCHM699 Special Problems in Biochemistry (1-6) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

BCHM799 Master's Thesis Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

BCHM899 Doctoral Dissertation Research (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

BIOL Biological Sciences

(LIFE SCIENCES)

BIOL103 The World of Biology (4) REG.

CORE: Life Science Lab (LL) Formerly: BIOL 101 and BIOL 102. An introduction to modern biology for the non-science major. Major themes include molecular biology, cell biology, evolution and organismal biology. Relevance of study of biology to modern human life will be emphasized. Course not acceptable toward degree in College of Life Sciences.

0201 (02121) STAFF M TuWThF 9:00am-10:20am (PLS 1119)
TuTh 11:00am-1:50pm (HIP 2103) Lab
M TuWThF 9:00am-10:20am (PLS 1119)
0202 (02122) STAFF TuTh 2:00pm-4:50pm (HIP 2103) Lab
Lab fee \$40.00.

BIOL106 Principles of Biology II (4) REG/P-F/AUD.

CORE: Life Science Lab (LL) Prerequisite: MATH 110 placement. For science majors. Basic principles of biology with special emphasis on organismic, ecological and evolutionary biology.

0201 (02158) STAFF M TuWThF 11:00am-12:20pm (PLS 1130)
TuTh 8:00am-11:00am (ZOP 0245) Lab
M TuWThF 11:00am-12:20pm (PLS 1130)
0202 (02159) STAFF TuTh 1:00pm-4:00pm (ZOP 0245) Lab
Lab fee \$40.00.

BIOL222 Principles of Genetics (4) REG/P-F/AUD.

Prerequisites: BIOL 105, one year college chemistry. Credit will be granted for only one of the following: ZOP 213, HORT 274, or ANSC 201. Principles and mechanisms of heredity and gene expression. Considers plant, animal, and microbial organisms.

0201 (02171) Imberski, R. M TuWThF 9:30am-10:50am (ZOP 125D)
TuThF 11:00am-1:00pm (ZOP 1232) Dis
M TuWThF 9:30am-10:50am (ZOP 125D)
0202 (02172) Imberski, R. TuThF 11:00am-1:00pm (ZOP 2282) Dis

BMGT Business and Management

(BUSINESS AND MANAGEMENT)

BMGT201 Introduction to Business Computing (3) REG/P-F/AUD

Prerequisite: Sophomore standing. For BMGT majors only. Not open to students who have completed BMGT 301 prior to Fall 1997. Basic literacy course using common business computer-based applications. Considers the role of information technology in the modern work place, as well as the use of computing applications in problem solving.

0201 (02265) Chaires, J. TuTh 6:40pm-10:00pm (TYD 1118)

BMGT220 Principles of Accounting I (3) REG.

Sophomore standing. Basic theory and techniques of contemporary financial accounting. Includes the accounting cycle and the preparation of financial statements for single owner and partnership firms of business organizations operating as service companies or merchandisers.

0201 (02277) Phadogarthi, M. M TuWThF 9:30am-10:50am (VMH 1303)
0202 (02278) STAFF TuTh 6:40pm-10:00pm (VMH 1303)

BMGT221 Principles of Accounting II (3) REG.

Prerequisite: BMGT 220. Basic theory and techniques of accounting for managerial decision making. Involves the introduction of the corporation and manufacturing operations. Includes cost-volume-profit analysis and capital budgeting. Introduces the topics of income taxation and international accounting.

0201 (02290) STAFF M TuWThF 2:00pm-3:20pm (VMH 1303)
0202 (02291) Iyengar, R. M TuWThF 6:40pm-10:00pm (VMH 1303)

BMGT320 Business Statistics (3) REG.

Prerequisite: MATH 220. Not open to students who have completed BMGT 231, ENIE 324, or STAT 400. Credit will be granted for only one of the following: AREC 484, BIOM 301, BMGT 230, CNEC 400, ECON 321, EDMS 451, GEOG 305, GVPT 422, PSYC 200, SOCY 201, URSP 350, or TEXT 400. Introductory course in probabilistic and statistical concepts including descriptive statistics, set-theoretic development of probability, the properties of discrete and continuous random variables, sampling theory, estimation, hypothesis testing, regression, decision theory and the application of these concepts to problem solving in business and management. This course does not meet requirements for management science and statistics majors.

0201 (02303) Alt, F. M TuWThF 9:00am-12:20pm (VMH 1311)
0202 (02304) Alt, F. M TuWThF 2:00pm-5:20pm (VMH 1311)

BMGT302 Business Computer Application Programming (3) REG.

Prerequisite: BMGT 201 or CMSC 102 or CMSC 103 or permission of department. Not open to computer science students. For BMGT majors only. Considers characteristics of business data programming and common software development processes and practices. Covers the designing, writing, documenting, and testing of an efficient, structured program in visual basic.

0201 (02325) Chaires, J. TuTh 3:00pm-6:20pm (VMH 1311)

BMGT310 Intermediate Accounting I (3) REG.

Prerequisite: BMGT 221. Comprehensive analysis of financial accounting topics related to financial statement preparation and external reporting.

0201 (02337) Hardy, K. M TuWThF 6:40pm-10:00pm (VMH 1202)

BMGT311 Intermediate Accounting II (3) REG.

Prerequisite: BMGT 310. Continuation of BMGT 310.

0201 (02348) Kadem, A. M TuWThF 9:30am-10:50am (VMH 1207)

BMGT321 Cost Accounting (3) REG.

Prerequisite: BMGT 221. A study of the basic concepts of product costing and cost analysis for management planning and control. Emphasis is placed on the role of the accountant in organizational management, analysis of cost behavior, standard cost, budgeting, responsibility accounting and relevant costs for decision making.

0201 (02359) Hicks, M. M TuWThF 3:00pm-6:20pm (VMH 1207)

BMGT323 Income Tax Accounting (3) REG.

Prerequisite: BMGT 221. Introduction to federal income taxation of individuals. Examination of tax laws by use of illustrative examples and problems.

0201 (02371) Pontalava, V. M TuWThF 6:40pm-10:00pm (VMH 1207)

BMGT340 Business Finance (3) REG.

Prerequisites: BMGT 221, and (BMGT 230 or BMGT 231). The principles and practices involved in the organization, financing, and rehabilitation of business enterprises, the various types of securities and their use in raising funds, apportioning income, risk, and control; intercorporate relations; and new developments. Emphasis on solution of problems of financial policy forced by management.

0201 (02393) STAFF TuTh 6:40pm-10:00pm (TYD 2102)
0202 (02394) STAFF M TuWThF 6:40pm-10:00pm (VMH 1314)

BMGT350 Marketing Principles and Organization (3) REG.

Prerequisite: ECON 209 or ECON 205. An introduction to the concepts and principles of marketing, including the marketing of service and nonprofit organizations. Provides an overview of all the concepts in marketing including relationship marketing, product development, pricing, promotion, marketing research, consumer behavior, international marketing, distribution, and internal marketing to employees.

0201 (02416) Neisner, L. M TuWThF 6:40pm-10:00pm (VMH 1311)
0202 (02417) Boes, D. TuTh 6:40pm-10:00pm (VMH 1311)

BMGT357 Retailing and Marketing Internship (PermReq) (3-6) REG.

Prerequisites: BMGT 350 and permission of department. For BMGT majors only. Supervised work experience with a firm engaged in marketing goods or services. Students apply concepts learned in marketing classes and analyze the firm's organizational structure, environment, and marketing strategy.

0201 (02437) Wagner, J. Time and room to be arranged
0202 (02438) Wagner, J. Time and room to be arranged

BMGT360 Human Resource Management (3) REG.

The basic course in human resource management includes manpower planning, recruitment, selection, development, compensation, and appraisal of employees. Explores the impact of scientific management and unionism on these functions.

0201 (02449) STAFF M TuWThF 3:00pm-6:20pm (VMH 1206)

BMGT364 Management and Organization Theory (3) REG.

The development of management and organization theory, nature of the management process and function and its future development. The role of the manager as an organizer and director, the communication process, goals and responsibilities.

0201 (02472) STAFF M TuWThF 9:30am-10:50am (VMH 1203)
0202 (02473) STAFF M TuWThF 6:40pm-10:00pm (TYD 1118)

BMGT370 Introduction to Transportation Management (3) REG.

Prerequisite: ECON 200; or ECON 205. An overview of the transportation sector, including providers, users and government agencies. Examines contemporary public policy issues such as deregulation along with managerial strategies in transportation.

0201 (02483) STAFF TuTh 6:40pm-10:00pm (TYD 1114)

SESSION II

BMGT380 Business Law I (3) REG.

Legal aspects of business relationships. Examination of torts and business crimes, contracts and agency. The law of personal property and bailment relationships. Survey of public policy issues.

0201 (021515) McClenahan, W TuTh 3:00pm-6:20pm
(VWH 1209)

0202 (021516) McClenahan, W TuTh 6:40pm-10:00pm
(VWH 1209)

BMGT381 Business Law II (3) REG.

Prerequisite: BMGT 380 or permission of department. The Uniform Commercial Code including sales, commercial paper, secured transactions, bulk sales and documents of title. The law of partnerships and corporations. Reorganization and liquidation under the bankruptcy laws. The law of real property, landlord and tenant relationships and decedents' estates.

0201 (02527) Lewis, P MW 6:40pm-10:00pm
(VWH 1206)

BMGT398 Individual Study in Business and Management (PermReq) (1-3) REG.

Individual instruction course: contact department or instructor to obtain section number.

BMGT402 Database Systems (3) REG.

Prerequisite: BMGT 305 or equivalent. Introduction to basic concepts of database management systems. Relational databases, query languages and design will be covered. File-processing techniques are examined.

0201 (02549) Spear, R MW 6:40pm-10:00pm
(VWH 1307)

BMGT403 Systems Analysis and Design (3) REG.

Prerequisite: BMGT 305 or equivalent. Techniques and tools applicable to the analysis and design of computer-based information systems. System life cycle, requirements analysis, logical design of data bases, performance evaluation. Emphasis on case studies. Project required that involves the design, analysis and implementation of an information system.

0201 (02559) Spear, R MW 3:00pm-6:20pm
(VWH 1307)

BMGT417 Advanced Tax Accounting (3) REG.

Prerequisites: BMGT 311, and BMGT 323. Federal taxation of corporations, partnerships, fiduciaries, and gratuitous transfers. Tools and techniques of tax research for compliance and planning.

0201 (02579) Pantalone, V MW 3:00pm-6:20pm
(VWH 1202)

BMGT422 Auditing Theory and Practice (3) REG.

Prerequisite: BMGT 311. A study of the independent accountant's attest function, generally accepted auditing standards, compliance and substantive tests, and report forms and opinions.

0201 (02590) STAFF TuTh 6:40pm-10:00pm
(VWH 1307)

BMGT435 Introduction to Applied Probability Models (3) REG.

Prerequisite: BMGT 231 or permission of department. Statistical models in management. Review of probability theory. Monte Carlo methods, discrete event simulation, Markov chains, queueing analysis, other topics depending upon time. Gauss, a high-level computer language, will be introduced in the class and the students will carry out various exercises using this language.

0201 (02620) Bodin, L MW 2:00pm-5:20pm
(VWH 1203)

BMGT440 Financial Management (3) REG.

Prerequisite: BMGT 340. Analysis and discussion of cases and readings relating to financial decisions of the firm. The application of finance concepts to the solution of financial problems is emphasized.

0201 (02630) STAFF MW 6:40pm-10:00pm
(VWH 1203)

BMGT445 Commercial Bank Management (3) REG/P-F/AUD.

Prerequisites: BMGT 340; and ECON 430. Analysis and discussion of cases and readings in commercial bank management. The loan function is emphasized, also the management of liquidity reserves, investments for income, and source of funds. Bank objectives, functions, policies, organization, structure, services, and regulation are considered.

0201 (02650) Malmquist, D TuTh 6:40pm-10:00pm
(VWH 1203)

BMGT447 Internship and Research in Finance (PermReq) (3) REG.

Prerequisites: BMGT 340 and BMGT 343 (or 400 level finance elective), and core requirements in business and management, and permission of department. Recommended finance major courses. For finance majors only. Supervised, sponsored internship in a corporation or financial institution. Analysis of approved research topic in corporate finance, investments or financial institutions/markets.

0201 (02670) Kalodny, R Time and room to be arranged

BMGT454 International Marketing (3) REG.

Prerequisites: BMGT 350 plus one other marketing course. Marketing functions from the international executive's viewpoint, including coverage of international marketing policies relating to product adaptation, data collection and analysis, channels of distribution, pricing, communications, and cost analysis. Consideration is given to the cultural, legal, financial, and organizational aspects of international marketing.

0201 (02700) Grier, T MtuWTh 11:00am-12:40pm
(VWH 1203)

BMGT457 Marketing Policies and Strategies (3) REG.

CORE Capstone (CS) *Prerequisite:* BMGT 451. *Corequisite:* BMGT 452. This capstone course has together concepts from all the various marketing courses using the fundamentals of strategic market planning as the framework. Application of these principles is accomplished by analyzing and discussing cases and by playing a marketing strategy computer simulation game. Analysis of current business articles to understand the link between theory and real-world problem solving.

0201 (02721) Lefkowitz, R MtuWTh 9:30am-11:10am
(VWH 1314)

BMGT495 Business Policies (3) REG.

CORE Capstone (CS) *Prerequisites:* BMGT 340, and BMGT 350; and BMGT 364. A case study course where students apply what they have learned of general management principles and their specialized functional applications to the overall management function in the enterprise. BMGT majors only. All others must have authorization.

0201 (02754) STAFF TuTh 3:00pm-6:20pm
(VWH 1314)

0202 (02755) STAFF MW 3:00pm-6:20pm
(VWH 1314)

0203 (02756) STAFF TuTh 6:40pm-10:00pm
(VWH 1314)

BMGT505 Organizational Behavior and Strategic Management (3) REG.

Intensive review of organizational behavior theory, and administrative processes and practice in the business enterprise. Credit not applicable to graduate degrees.

0201 (02786) STAFF TuTh 6:40pm-10:00pm
(VWH 1307)

BMGT662 Organizational Behavior and Human Resources (1.5) REG/AUD.

For BMGT majors only. Not open to students who have completed BMGT 660. Key management issues from organizational behavior perspective. Organizational structure and design, work motivation and morale, problem solving and decision making, group dynamics and conflict resolution, organizational change, and cross-cultural differences in culture and values. Total quality management is stressed.

02G2 (02840) Kriesler, D Meets 07/20/99-08/05/99 TuTh 6:40pm-10:00pm
(Arranged)

BMGT663 Introduction to the Management of Human Resources (PermReq) (1.5) REG/AUD.

Prerequisite: BMGT 662. *For BMGT majors only.* Not open to students who have completed BMGT 661. Systematic approaches to human resources management in the context of organizational strategy, as constrained by legal and economic factors. Strategically aligned recruitment and screening systems, training and development, performance management, career management and reward systems.

02G2 (02850) STAFF Meets 08/10/99-08/26/99 TuTh 6:40pm-10:00pm
(Arranged)

BMGT681 Managerial Economics and Public Policy (3) REG/AUD.

For BMGT majors only. Not open to students who have completed BMGT 671 and BMGT 680. Basic microeconomic principles used by firms, including supply and demand, elasticities, costs, productivity, pricing, market structure and competitive implications of alternative market structures. Market failures and government intervention. Public policy processes affecting business operations.

02BA (02860) Windle, R MW 6:40pm-10:00pm
(Arranged)

02G1 (02861) STAFF MW 6:40pm-10:00pm
(Arranged)

02G2 (02862) STAFF MW 6:40pm-10:00pm
(Arranged)

02G3 (02863) STAFF TuTh 6:40pm-10:00pm
(Arranged)

BMGT725 Information Systems Analysis and Design (3) REG/AUD.

Prerequisite: BMGT 620, or BMGT 721. Introduction to practical techniques for information systems and design. Design requirements for information processing systems. Models and tools for requirement analysis. Case studies for actual systems and applications.

02G2 (02924) STAFF MW 6:40pm-10:00pm
(Arranged)

BMGT726 Distributed Data Processing (3) REG/AUD.

Prerequisite: BMGT 620; or BMGT 721. Introduction to distributed data processing concepts, the building blocks of distributed systems: computers, terminals, and communications; the interface and protocols that allow them to function as an integrated system. Major categories of distributed systems; resource-sharing networks, multiple-processor networks, and tightly coupled multiprocessors.

02G2 (02934) STAFF MW 6:40pm-10:00pm
(Arranged)

BMGT741 Advanced Financial Management (3) REG/AUD.

Prerequisite: BMGT 640. Advanced theories and concepts underlying financial decision making in the firm. Case studies, model building and applications in financial theory and management.

0201 (02945) Isberg, S TuTh 6:40pm-10:00pm
(VWH 1202)

BMGT743 Investment Management (3) REG/AUD.

Prerequisite: BMGT 640. Methods of security selection and portfolio management in the debt and equity markets. Investment alternatives, securities markets, bond and common stock valuation, options, portfolio theory, and behavior of stock prices.

02G2 (02955) STAFF TuTh 6:40pm-10:00pm
(Arranged)

BMGT746 International Financial Management (3) REG/AUD.

Prerequisite: BMGT 640. The role of financial management in the multinational firm. The financing and managing of foreign investments, assets, currencies, imports and exports. National and international financial institutions and markets. Open to BMBA, BMSB, BMJIT, BMBM and LMBA students with 30 credits completed.

02G2 (02975) Jong, H MW 6:40pm-10:00pm
(Arranged)

BMGT753 International Marketing (3) REG/AUD.

Prerequisite: BMGT 650. Environmental, organizational, and financial aspects of international marketing as well as problems of marketing research, pricing, channels of distribution, product policy, and communication which face U.S. firms trading with foreign firms or which face foreign firms in their operations.

02G2 (02995) Grier, T TuTh 6:40pm-10:00pm
(Arranged)

BMGT754 Buyer Behavior Analysis (3) REG/AUD.

Prerequisite: BMGT 650. A systematic examination and evaluation of the literature, research tradition and theory of buyer behavior in the market place from a fundamental and applied perspective. The cognitive and behavioral bases underlying the buying process of individuals and institutions. Open to BMBA, BMSB, BMJIT, BMBM and LMBA students with 30 credits completed.

02G2 (03005) Larsen, L MW 6:40pm-10:00pm
(Arranged)

BMGT795 Management of the Multinational Firm (3) REG/AUD.

The problems and policies of international business enterprise at the management level. Management of a multinational enterprise as well as management within foreign units. The multinational firm as a socio-economic institution. Cases in comparative management.

0201 (03035) STAFF TuTh 6:40pm-10:00pm
(VWH 1206)

BMGT798A Special Topics in Business and Management: Organizational Change (3) REG/AUD.

02G2 (03055) STAFF TuTh 6:40pm-10:00pm
(Arranged)

BMGT798B Special Topics in Business and Management: Marketing Audits (3) REG/AUD.

02G2 (03095) Durand, R Time and room to be arranged

BMGT799 Master's Thesis Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

BMGT828 Independent Study in Business and Management (PermReq) (1-9) REG.

Individual instruction course: contact department or instructor to obtain section number. By permission only of the Graduate Director.

BMGT899 Doctoral Dissertation Research (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number. Contact Graduate Program Director to make arrangements.

BSOS Behavioral and Social Sciences

1 BEHAVIORAL AND SOCIAL SCIENCES)

BSOS386 Experiential Learning (PermReq) (3-6) REG/P-F.

Prerequisite: permission of department. 56 semester hours.

0201 (03164) Remy, L Time and room to be arranged

BSOS396 Fellowship Program in Political Leadership (PermReq) (2-6) REG.

Individual instruction course: contact department or instructor to obtain section number. *Prerequisite:* permission of department and acceptance of full-time fellowship program. *Corequisite:* BSOS 346, BSOS 356 or BSOS 366. Individual instruction course.

85DS399 Directed Study in Behavioral and Social Sciences (PermReq) (3-6) REG.

0201 (03177) Remy, L. Time and room to be arranged

CCJS Criminology and Criminal Justice

(BEHAVIORAL AND SOCIAL SCIENCES)

CCJS100 Introduction to Criminal Justice (3) REG/P-F/AUD

CORE: Behavioral and Social Science (5B) Formerly CIJS 100. Introduction to the administration of criminal justice in a democratic society with emphasis on the theoretical and historical development of law enforcement. The principles of organization and administration for law enforcement; functions and specific activities; planning and research; public relations; personnel and training; inspection and control; direction; policy formulation.

0201 (03228) STAFF M/WTh 9:00am-10:40am (LEF 2208)

CCJS105 Introduction to Criminology (3) REG/P-F/AUD

CORE: Behavioral and Social Science (5B) Formerly CRIM 220. Criminal behavior and the methods of its study; causation, typologies of criminal acts and offenders; punishment, correction and incapacitation; prevention of crime

0201 (03239) STAFF M/WTh 9:00am-10:40am (SKN 0104)

CCJS200 Statistics for Criminology and Criminal Justice (3) REG/P-F/AUD

Prerequisites: MATH 111 and (CCJS 100 or CCJS 105) or permission of department. Introduction to descriptive and inferential statistics, graphical techniques, and the computer analysis of criminology and criminal justice data. Basic procedures of hypothesis testing, correlation and regression analysis, and the analysis of continuous and binary dependent variables. Emphasis upon the examination of research problems and issues in criminology and criminal justice

0201 (03250) STAFF M/WTh 9:00am-12:40pm (ARC 1101)

CCJS230 Criminal Law in Action (3) REG/P-F/AUD

Formerly CIJS 230. Law as one of the methods of social control. Criminal law: its nature, sources and types; theories and historical developments. Behavioral and legal aspects of criminal acts. Classification and analysis of selected criminal offenses.

0201 (03260) Russell, K. M/WTh 9:00am-10:40am (TWS 0147)

CCJS234 Law of Criminal Investigation (3) REG/P-F/AUD

Prerequisite: CCJS 230. Formerly CIJS 234. General principles and theories of criminal procedure. Due process. Arrest, search and seizure. Recent developments. Study and evaluation of evidence and proof.

0201 (03271) Bury, R. TuTh 6:00pm-9:00pm (TYO 2111)

Time and room to be arranged

CCJS300 Criminological and Criminal Justice Research Methods (3) REG/P-F/AUD

Prerequisites: CCJS 100 and CCJS 105; and one of the following: CCJS 200 or SOCY 201 or PSYC 200 or ECON 321 or BMGT 230. Formerly CIJS 300. Introduction to the formulation of research questions covering crime and justice, research designs, data collection, and interpretation and reporting in criminological and justice-system settings.

0201 (03282) STAFF M/WTh 9:30am-11:10am (C01 3110)

CCJS320 Introduction to Criminalistics (3) REG/P-F/AUD

Prerequisite: CCJS 234 Formerly CIJS 320. An introduction to modern methods used in the detection, investigation and solution of crimes. Practical analysis of evidence in a criminal investigation laboratory, including photography, fingerprints and other impressions, ballistics, glass, hair, handwriting and document examination, drug analysis, and die detection.

0201 (03293) Maurello, T. MW 6:00pm-9:00pm (TYO 0102)

Time and room to be arranged

CCJS359 Field Training in Criminology and Corrections (1-6) REG/P-F/AUD

Individual instruction course. contact department or instructor to obtain section number

CCJS370 Race, Crime and Criminal Justice (3) REG/P-F/AUD

DIVERSITY Prerequisite: CCJS 100 or equivalent. Role and treatment of racial/ethnic minorities in the criminal justice system. Course will provide students with historic and theoretical framework for understanding this dynamic

0201 (03345) Russell, K. M/WTh 2:00pm-3:40pm (JMZ 3120)

CCJS386 Experiential Learning (PermReq) (3-6) REG/P-F/O

Individual instruction course. contact department or instructor to obtain section number. *Prerequisite:* permission of department. 56 semester hours.

CCJS398 Law Enforcement Field Training (PermReq) (1-6) OREG/P-F/AUD

Individual instruction course. contact department or instructor to obtain section number.

CCJS399 Independent Study in Criminology and Criminal Justice (1-3) REG/P-F/AUD

Individual instruction course. contact department or instructor to obtain section number

CCJS452 Treatment of Criminals and Delinquents (3) REG/P-F/AUD

Prerequisites: CCJS 105 or CCJS 350 or permission of department; and CCJS 300. Formerly CRIM 452. Processes and methods used to modify criminal and delinquent behavior

0201 (03371) STAFF M/WTh 2:00pm-3:40pm (SQH 1103)

CCJS699 Special Criminological Problems (1-3) REG/AUD

Individual instruction course. contact department or instructor to obtain section number.

CCJS799 Master's Thesis Research (1-6) REG.

Individual instruction course. contact department or instructor to obtain section number.

CCJS899 Doctoral Dissertation Research (1-8) REG.

Individual instruction course. contact department or instructor to obtain section number.

CHEM Chemistry

(LIFE SCIENCES)

CHEM103 General Chemistry I (4) REG/P-F/AUD

CORE: Physical Science Lab (PL) *Prerequisite:* placement in MATH 110 or higher. Recommended: placement in MATH 115 or higher. Credit will be granted for only one of the following: CHEM 102, CHEM 103, CHEM 105, CHEM 107, CHEM 111, CHEM 143. The first semester of a chemistry sequence intended for students whose curricula require a year or more of chemistry. The nature and composition of matter; chemical calculations, elements and inorganic compounds. Lecture, discussion and laboratory meeting times will be arranged between 8:00am and 12:20pm Monday through Friday. The first class meeting will be lecture.

0231 (03444) STAFF M/WThF 11:00am-12:20pm (CHM 1402)

Time and room to be arranged

0232 (03445) STAFF M/WThF 8:00am-10:50am (CHM 2201) Dis

Time and room to be arranged

0232 (03445) STAFF M/WThF 11:00am-12:20pm (CHM 1402)

Time and room to be arranged

0232 (03445) STAFF M/WThF 8:00am-10:50am (CHM 0122) Dis

CHEM103M General Chemistry I (PermReq) (4) REG/P-F/AUD

CORE: Physical Science Lab (PL) *Prerequisite:* placement in MATH 110 or higher. Recommended: placement in MATH 115 or higher. Credit will be granted for only one of the following: CHEM 102, CHEM 103, CHEM 105, CHEM 107, CHEM 111, CHEM 143

0231 (03461) STAFF M/WThF 11:00am-12:20pm (CHM 1402)

Time and room to be arranged

0232 (03462) STAFF M/WThF 8:00am-10:50am (CHM 0122) Dis

Time and room to be arranged

Discussion meeting times will be 9:30 a.m. Monday through Friday. *Prerequisite:* CHEM 103 taken at UMPK within twelve months of the semester which CHEM 103M is taken. A student is eligible to take this course only if the lab scores received in CHEM 103, the last time it was taken, totaled at least 80.0 percent of the maximum possible total. These scores will count for part of the grade in CHEM 103M.

CHEM104 Fundamentals of Organic and Biochemistry (4) REG/P-F/AUD

CORE: Life Science Lab (LL) *Prerequisite:* CHEM 103 or CHEM 105. Credit will be granted for only one of the following: CHEM 104 or CHEM 233 or CHEM 235. Intended for students whose curricula require one year of chemistry. Students requiring two or more years of chemistry should register for CHEM 233 or CHEM 235. The chemistry of carbon: aliphatic compounds, aromatic compounds, stereochemistry, halides, amines, and amides, acids, esters, carbohydrates, and natural products. Lecture, discussion and laboratory meeting times will be arranged between 8:00am and 12:20pm Monday through Friday

0261 (03472) Gm, 5 M/WThF 11:00am-12:20pm (CHE 2140)

Time and room to be arranged

0261 (03472) Gm, 5 M/WThF 8:00am-10:50am (CHE 2140) Dis

Time and room to be arranged

The first class meeting will be lecture.

CHEM113 General Chemistry II (4) REG/P-F/AUD

CORE: Physical Science Lab (PL) *Prerequisite:* CHEM 103 or CHEM 105. Credit will be granted for only one of the following: CHEM 113 or CHEM 115. Kinetics; homogeneous, heterogeneous, and ionic equilibria; oxidation-reduction; electrochemistry; chemistry of the elements. Lecture, discussion and laboratory meeting times will be arranged between 8:00am and 12:20pm Monday through Friday. The first class will be lecture.

0241 (03498) STAFF M/WThF 11:00am-12:20pm (CHM 1407)

Time and room to be arranged

0242 (03499) STAFF M/WThF 8:00am-10:50am (JMP 1109) Dis

Time and room to be arranged

0242 (03499) STAFF M/WThF 11:00am-12:20pm (CHM 1407)

Time and room to be arranged

M/WThF 8:00am-10:50am (CHM 0128) Dis

M/WThF 11:00am-12:20pm (CHM 1407)

0243 (03500) STAFF

Time and room to be arranged

M/WThF 8:00am-10:50am (EGR 0110) Dis

CHEM113M General Chemistry II (PermReq) (4) REG/P-F/AUD

CORE: Physical Science Lab (PL) *Prerequisite:* CHEM 103 or CHEM 113. Credit will be granted for only one of the following: CHEM 113 or CHEM 115.

0241 (03515) STAFF M/WThF 11:00am-12:20pm (CHM 1407)

Time and room to be arranged

0242 (03516) STAFF M/WThF 9:30am-10:50am (JMP 1109) Dis

Time and room to be arranged

0243 (03517) STAFF M/WThF 9:30am-10:50am (CHM 0128) Dis

Time and room to be arranged

0243 (03517) STAFF M/WThF 11:00am-12:20pm (CHM 1407)

Time and room to be arranged

0244 (03518) STAFF M/WThF 9:30am-10:50am (CHM 1407)

Time and room to be arranged

0244 (03518) STAFF M/WThF 9:30am-10:50am (CHM 0124) Dis

Discussion meeting times will be 9:30 a.m. Monday through Friday. *Prerequisite:* CHEM 113 taken at UMPK within twelve months of the semester which CHEM 113M is taken. A student is eligible to take this course only if the lab scores received in CHEM 113, the last time it was taken, totaled at least 80.0 percent of the maximum possible total. These scores will count for part of the grade in CHEM 113M.

CHEM233 Organic Chemistry I (4) REG/P-F/AUD

Prerequisite: CHEM 113 or CHEM 153. Credit will be granted for only one of the following: CHEM 104, CHEM 233, CHEM 255. The chemistry of carbon: aliphatic compounds, aromatic compounds, stereochemistry, amines, alcohols, esters, and spectroscopy. Lecture, discussion and laboratory meeting times will be arranged between 8:00am and 12:20pm Monday through Friday. The first class will be lecture.

0271 (03535) STAFF M/WThF 11:00am-12:20pm (CHE 2108)

Time and room to be arranged

0272 (03536) STAFF M/WThF 8:00am-10:50am (EGR 1110) Dis

Time and room to be arranged

0272 (03536) STAFF M/WThF 11:00am-12:20pm (CHE 2108)

Time and room to be arranged

0272 (03536) STAFF M/WThF 8:00am-10:50am (EGR 3114) Dis

Time and room to be arranged

CHEM233M Organic Chemistry I (PermReq) (4) REG/P-F/AUD

Prerequisite: CHEM 113 or CHEM 153. Credit will be granted for only one of the following: CHEM 104, CHEM 233, CHEM 255. Discussion meeting times will be 9:30 am Monday through Friday. *Prerequisite:* CHEM 233 taken at UMPK within twelve months of the semester in which CHEM 233M is taken. A student is eligible to take this course only if the lab scores received in CHEM 233, the last time it was taken, totaled at least 80.0 percent of the maximum possible total. These scores will count for part of the grade in CHEM 233M.

0271 (03553) STAFF M/WThF 11:00am-12:20pm (CHE 2108)

Time and room to be arranged

0272 (03554) STAFF M/WThF 9:30am-10:50am (EGR 1110) Dis

Time and room to be arranged

0272 (03554) STAFF M/WThF 11:00am-12:20pm (CHE 2108)

Time and room to be arranged

0272 (03554) STAFF M/WThF 9:30am-10:50am (EGR 3114) Dis

Time and room to be arranged

CHEM243 Organic Chemistry II (4) REG/P-F/AUD

Prerequisite: CHEM 233 with a grade of C or better. Credit will be granted for only one of the following: CHEM 243 or CHEM 247. A continuation of CHEM 233 with emphasis on molecular structure, substitution reactions, carbocation ions; aromaticity; synthetic processes; macro-molecules. Lecture and laboratory meeting times will be arranged between 8:00am and 12:20pm Monday through Friday. The first class meeting will be lecture.

SESSION II

0281 (03568) STAFF	MtuWThF 11:00am-12:20pm (PHY 1412)
	Time and room to be arranged Lab
0282 (03569) STAFF	MtuWThF 8:00am-10:50am (PHY 1219) Dis
	MtuWThF 11:00am-12:20pm (PHY 1412)
	Time and room to be arranged Lab
0283 (03570) STAFF	MtuWThF 8:00am-10:50am (CHM 0119) Dis
	MtuWThF 11:00am-12:20pm (PHY 1412)
	Time and room to be arranged Lab
0284 (03571) STAFF	MtuWThF 8:00am-10:50am (CHM 0115) Dis
	MtuWThF 11:00am-12:20pm (PHY 1412)
	Time and room to be arranged Lab
	MtuWThF 8:00am-10:50am (CSS 2352) Dis

CHEM243M Organic Chemistry II (PermReq) (4) REG/P-F/AUD.

Prerequisite: CHEM 233 with a grade of C or better. Credit will be granted for only one of the following: CHEM 243 or CHEM 247. *Prerequisite:* CHEM 243 taken at UMCP within twelve months of the semester in which CHEM 243M is taken. A student is eligible to take this course only if the lab scores received in CHEM 243, the last time it was taken, totalled at least 80.0 percent of the maximum possible total. These scores will count for part of the grade in CHEM 243M.

0281 (03587) STAFF	MtuWThF 11:00am-12:20pm (PHY 1412)
	MtuWThF 9:30am-10:50am (PHY 1219) Dis
0282 (03588) STAFF	MtuWThF 11:00am-12:20pm (PHY 1412)
	MtuWThF 9:30am-10:50am (CHM 0119) Dis
0283 (03589) STAFF	MtuWThF 11:00am-12:20pm (PHY 1412)
	MtuWThF 9:30am-10:50am (CHM 0115) Dis
0284 (03590) STAFF	MtuWThF 11:00am-12:20pm (PHY 1412)
	MtuWThF 9:30am-10:50am (CSS 2352) Dis

CHEM398 Special Projects (PermReq) (2) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

CHEM399 Introduction to Chemical Research (PermReq) (1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number. Research plans must be approved by Dr. Berkowitz before registration.

CHEM699 Special Problems in Chemistry (1-6) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

CHEM799 Master's Thesis Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

CHEM899 Doctoral Dissertation Research (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

CHIN Chinese

(ARTS AND HUMANITIES)

CHIN102 Elementary Spoken Chinese (PermReq) (3) REG/P-F/AUD.

Prerequisite: CHIN 101 or equivalent. Non-majors admitted only after a placement interview. Continued study of grammatical patterns and vocabulary buildup with particular emphasis on conversation. May be taken in conjunction with CHIN 103.

0201 (03728) Brown, W. MtuWThF 11:00am-12:20pm
(UMZ 1226)

CHIN103 Elementary Written Chinese (PermReq) (3) REG/P-F/AUD.

Prerequisite: CHIN 101 or equivalent. Non-majors admitted only after a placement interview. Continued study of grammatical patterns and buildup of vocabulary with particular emphasis on reading and writing. May be taken in conjunction with CHIN 102.

0201 (03738) Brown, W. MtuWThF 9:30am-10:50am
(UMZ 1226)

CHIN213 Chinese Poetry into English: An Introduction (3) REG/P-F/AUD.

CORE: Literature (HL) DIVERSITY Issues in the intercultural and interlingual interpretation of foreign literature through the study of Western translations of and scholarship on selected Chinese poets. No knowledge of Chinese required.

0201 (03749) Ten, D. TuTh 6:00pm-9:20pm
(UMZ 0220)

CHIN499 Directed Study in Chinese (PermReq) (1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

CHPH Chemical Physics

(COMPUTER, MATHEMATICAL AND PHYSICAL SCIENCES)

CHPH799 Master's Thesis Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

CHPH899 Doctoral Dissertation Research (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

CLAS Classics

(ARTS AND HUMANITIES)

CLAS170 Greek and Roman Mythology (3) REG/P-F/AUD.

CORE: Literature (HL) Taught in English, no prerequisite; cannot be taken for language credit. This course is particularly recommended for students planning to major in foreign languages, English, history, the fine arts, or journalism.

0201 (03864) House, V. MtuWThF 9:30am-10:50am
(MMH 3418)

CLAS799 Master's Thesis Research (PermReq) (1-6) REG/S-F.

0201 (03884) Hollett, J. Time and room to be arranged

CMLT Comparative Literature

(ARTS AND HUMANITIES)

CML270 Global Literature and Social Change (3) REG.

CORE: Literature (HL) DIVERSITY Comparative study of literature through selected literary works from several non-Western cultures, viewed cross-culturally in light of particular social, political, and economic perspectives.

0201 (03935) Cieply, S. TuTh 6:00pm-9:15pm
(SOH 1101)

CML275 World Literature by Women (3) REG.

CORE: Literature (HL) DIVERSITY Also offered as WMST 275. Credit will be granted for only one of the following: CMLT 275 or WMST 275. Comparative study of selected works by women writers of several countries, exploring points of intersection and divergence in women's literary representations.

0201 (03946) Voloshin, L. MW 6:00pm-9:15pm
(KEY 0102)

CML386 Experiential Learning (PermReq) (3-6) REG/P-F.

Individual instruction course: contact department or instructor to obtain section number. *Prerequisite:* permission of department. 56 semester hours

CML699 Independent Study (PermReq) (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

CML788 Practicum in Comparative Studies (PermReq) (1-6) S-F.

Individual instruction course: contact department or instructor to obtain section number.

CML799 Master's Thesis Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

CML899 Doctoral Dissertation Research (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

CMSC Computer Science

(COMPUTER, MATHEMATICAL AND PHYSICAL SCIENCES)

CMSC386 Experiential Learning (PermReq) (3) REG/P-F.

Individual instruction course: contact department or instructor to obtain section number. *Prerequisite:* permission of department. 56 semester hours. Written permission of instructor must be obtained in advance on department form.

CMSC386C Experiential Learning (PermReq) (3-6) REG/P-F.

Prerequisite: permission of department. 56 semester hours.

0201 (04220) STAFF Time and room to be arranged

CMSC390 Honors Paper (PermReq) (3) REG/P-F/AUD

Individual instruction course: contact department or instructor to obtain section number. *Prerequisite:* admission to CMSC Honors Program. Special study or research directed toward preparation of honors paper.

CMSC411 Computer Systems Architecture (PermReq) (3) REG/P-F/AUD.

Prerequisites: a grade of C or better in CMSC 311 and CMSC 330, or CMSC 400; and permission of department; or CMSC graduate student. Input/output processors and techniques. Intra-systems communication, buses, cohes. Addressing and memory hierarchies. Microprogramming, parallelism, and pipelining.

0201 (04302) STAFF MtuWThF 11:00am-12:20pm
(CIB 0102)

CMSC451 Design and Analysis of Computer Algorithms (PermReq) (3) REG/P-F/AUD.

Prerequisites: a grade of C or better in CMSC 214 and a grade of C or better in CMSC 251; and permission of department. Fundamental techniques for designing efficient computer algorithms, proving their correctness, and analyzing their complexity. General topics include sorting, selection, graph algorithms, and basic algorithm design paradigms (such as divide-and-conquer, dynamic programming and greedy algorithms), lower bounds and NP-completeness.

0201 (04312) STAFF MtuWThF 9:30am-10:50am
(EGR 2107)

CMSC498A Special Problems in Computer Science (PermReq) (1-3) REG/P-F.

Individual instruction course: contact department or instructor to obtain section number.

CMSC798A Graduate Seminar in Computer Science (PermReq) (1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

CMSC799 Master's Thesis Research (PermReq) (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

CMSC818A Advanced Topics in Computer Systems (PermReq) (1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

CMSC828A Advanced Topics in Information Processing (PermReq) (1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

CMSC838A Advanced Topics in Programming Languages (PermReq) (1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

CMSC858A Advanced Topics in Theory of Computing (PermReq) (1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

CMSC878A Advanced Topics in Numerical Methods (PermReq) (1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

CMSC899 Doctoral Dissertation Research (PermReq) (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

COMM Communication

(ARTS AND HUMANITIES)

COMM107 Oral Communication: Principles and Practices (3) REG/P-F

Not open to students who have completed COMM 100 or SPCH 100. Credit will be granted for only one of the following: COMM 100 or COMM 107 or SPCH 100 or SPCH 107. Formerly SPCH 107. A study of and practice in oral communication, including principles of interviewing, group discussion, listening, informative briefings, and persuasive speeches.

0201 (04968) STAFF	MW 6:30pm-9:50pm (PLS 1146)
0202 (04969) STAFF	TuTh 6:30pm-9:50pm (PLS 1146)

COMM324 Communication and Gender (3) REG/P-F/AUD.

DIVERSITY Formerly SPCH 324. The creation of images of male and female, and masculine and feminine, through communication, the differences in male and female communication behaviors and styles, and the implications of those images and styles for male-female transactions.

0201 (05001) STAFF	TuTh 6:30pm-9:50pm (PLS 1111)
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COMM399 Honors Thesis (PermReq) (3) REG/P-F/AUD.

0201 (05033) STAFF	Time and room to be arranged
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COMM489 Topical Research (PermReq) (1-3) REG.

Individual instruction course: contact department or instructor to obtain section number.

COMM798 Independent Study (1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

COMM799 Master's Thesis Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

COMM899 Doctoral Dissertation Research (1-8) REG/S-F.

Individual instruction course: contact department or instructor to obtain section number.

CONS Sustainable Development & Conservation Biology

(LIFE SCIENCES)

CONS609 Special Topics in Conservation Biology (1-3) REG/S-F.

0201 (05151) Inouye, D.	Time and room to be arranged
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CONS798 Research Papers in Sustainable Development and Conservation Biology (PermReq) (1-4) REG/S-F.

0201 (05162) STAFF	Time and room to be arranged
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COOP Cooperative Education Program

(UNDERGRADUATE STUDIES)

COOP998 Summer Co-Op Work Experience (No credit) S-F

Permission of Co-op Coordinator required. Obtain signature and more information at the Career Center, 1102 Halopfel Hall. For special fees, see the financial information section of the Schedule of Classes.

0201 (05213) Neffendorf, C	Time and room to be arranged
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ECON Economics

(BEHAVIORAL AND SOCIAL SCIENCES)

ECON200 Principles of Micro- Economics (4) REG/P-F/AUD

CORE Behavioral and Social Science (SB) Prerequisite: MATH 110 or placement in MATH 115 or above. It is recommended that students complete ECON 200 before taking ECON 201. Credit will be granted for only one of the following: ECON 200 or ECON 203. Formerly ECON 203. This course emphasizes the behavior of individual consumers and business firms, problems of international trade and finance, the distribution of income, policies for eliminating poverty and discrimination, the problems of environmental pollution, and the impact of different market structures upon economic activity.

0201 (05376) STAFF	MiWThF 11:00am-12:45pm (1F 1101)
0202 (05377) STAFF	MiWThF 9:00am-10:45am (1YD 2102)
0203 (05378) STAFF	TuWTh 6:30pm-9:25pm (1YD 2102)

ECON201 Principles of Macro- Economics (4) REG/P-F/AUD.

CORE Behavioral and Social Science (SB) Prerequisite: MATH 110 or placement in MATH 115 or above. It is recommended that students complete ECON 200 before taking ECON 201. Credit will be granted for only one of the following: ECON 201 or ECON 205. An introduction to the problems of unemployment, inflation, and economic growth. Emphasis on roles of monetary and fiscal policy in the conduct of macroeconomic policy. The efficacy of wage and price controls is analyzed.

0201 (05391) STAFF	MiWThF 8:00am-9:45am (1YD 2109)
0202 (05392) STAFF	MiWThF 10:00am-11:45am (1YD 2109)
0203 (05393) STAFF	MiWTh 6:30pm-9:25pm (1F 2166)

ECON305 Intermediate Macroeconomic Theory and Policy (3) REG/P-F/AUD.

Prerequisites: ECON 200 and ECON 201; and MATH 220. Credit will be granted for only one of the following: ECON 305 or ECON 405. Formerly ECON 401. Analysis of the determination of national income, employment, and price levels. Discussion of consumption, investment, inflation, and government fiscal and monetary policy.

0201 (05404) STAFF	TuTh 6:30pm-9:50pm (1YD 0102)
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ECON306 Intermediate Microeconomic Theory (3) REG/P-F/AUD.

Prerequisites: ECON 200 and ECON 201; and MATH 220. Formerly ECON 403. Analysis of the theories of consumer behavior and of the firm, market systems, distribution theory and the role of externalities.

0201 (05416) STAFF	MW 6:30pm-9:50pm (1YD 0101)
0202 (05417) STAFF	MiWThF 11:00am-12:20pm (SOH 1117)

ECON386 Experiential Learning (3-6) REG/P-F.

Prerequisite: permission of department. 56 semester hours.

0201 (05438) Wallis, J.	Time and room to be arranged
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ECON399 Individual Reading and Research For Undergraduates (PermReq) (1-3) REG/P-F/AUD

Individual instruction course: contact department or instructor to obtain section number. Prerequisite: six hours of upper division economics courses.

ECON425 Mathematical Economics (3) REG/P-F/AUD

Prerequisites: ECON 305 or ECON 405; and ECON 306 or ECON 406; and MATH 220 or equivalent. Mathematical developments of theory of household and firms, general equilibrium and welfare economics, market imperfections, and role of information.

0201 (05450) STAFF	MiWThF 11:00am-12:20pm (SOH 2121)
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ECON440 International Economics (3) REG/P-F/AUD.

Prerequisites: ECON 200 and ECON 201. Credit will be granted for only one of the following: ECON 440 or ECON 441. A description of international trade and the analysis of international transactions, exchange rates, and balance of payments. Analysis of policies of protection, devolution, and exchange rate stabilization and their consequences.

0201 (05471) STAFF	MW 6:30pm-9:50pm (1YD 2102)
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ECON799 Master's Thesis Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

ECON899 Doctoral Dissertation Research (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

EDCI Curriculum and Instruction

(EDUCATION)

EDCI298 Special Problems in Teacher Education (PermReq) (1-6) REG/P-F/AUD.

0201 (05545) STAFF	Time and room to be arranged
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EDCI390 Principles and Methods of Secondary Education (3) REG/P-F/AUD.

Prerequisites: admission to teacher education program, and 2.5 GPA. Corequisites: EDH0 413 and EDH0 420. For education majors only. Principles and methods of teaching in junior and senior high schools. Instructional problems common to all of the subject fields, considered in relation to the needs and interests of youth, social problems and the central values of society.

0201 (05586) Munyer, J.	MW 12:20pm-3:40pm (EDU 1315)
	Time and room to be arranged. Lab

EDCI434 Methods of Teaching English to Speakers of Other Languages (3) REG/P-F/AUD.

A survey of the historical and current approaches, methods, and techniques of teaching English to speakers of other languages from grammar translation to audio-lingual to communicative approaches. Analysis of successful classroom practices which address the needs of cultural and language minority students.

0201 (05636) Anand, S	MW 3:40pm-7:00pm (EDU 2119)
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EDCI488A Selected Topics in Teacher Education: Computer Mindtools for Schools (3) REG.

0201 (05686) McKillop, A	MiWThF 1:00pm-4:00pm (EDU 0220)
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Course will explore several different types of computer applications

for use in schools and will stress their ability to support critical thinking. Technologies include spreadsheets, expert systems, databases, internet, hypermedia, and semantic networking. Course assignments will include projects using each technology.

EDCI488B Selected Topics in Teacher Education: Student- Constructed HyperMedia (3) REG

0201 (05696) McKillop, A	MiWThF 8:30am-11:30am (EDU 0101)
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EDCI488D Selected Topics in Teacher Education: Materials for Creating Skilled and Motivated Readers (K-6) (3) REG/P-F/AUD.

0201 (05716) Dreher, M	MiWThF 1:00pm-4:45pm (EDU 1121)
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THIS COURSE MEETS STATE OF MARYLAND NEW READING REQUIREMENTS. Selecting, evaluating, and using a variety of materials to create skilled and motivated readers in the elementary grades. Topics include nonfiction, fiction, basal readers, effective classroom libraries, software, and internet resources for teaching reading, and strategies for motivating children to read.

EDCI489 Field Experiences in Education (1-4) REG/P-F/AUD.

0201 (05727) STAFF	Time and room to be arranged
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EDCI498 Special Problems in Teacher Education (1-6) REG/P-F/AUD.

0201 (05738) STAFF	Time and room to be arranged
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EDCI690 Teaching as a Profession (PermReq) (3) REG.

Prerequisite: permission of department. The profession of teaching and the knowledge base that defines teaching. Current and social issues that affect teaching and learning, role of research and experience in learning to teach. For master's certification students only.

0201 (05778) STAFF	F 9:00am-4:00pm (EDU 2119)
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EDCI691 Models of Teaching: Theories and Applications (PermReq) (3) REG.

Prerequisite: permission of department. Theory and research on teaching as applied to models of instruction. Practice in developing a critical repertoire of teaching models and in providing thoughtful critique of teaching based on these models. For master's certification students only.

0201 (05786) McColeb, J.	TuTh 9:00am-12:20pm (EDU 2102)
0202 (05789) McColeb, J.	TuTh 1:00pm-4:20pm (EDU 2102)

EDCI761 Advanced Clinical Practices in Reading Assessment (3) REG/AUD.

Prerequisite: EDCI 665. Corequisite: EDCI 762. Clinical practicum in assessment focusing on strengths and needs in reading. Case report writing and conferences.

0201 (05799) Cudling, R.	Time and room to be arranged
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EDCI762 Advanced Clinical Practices in Reading Instruction (3) REG/AUD.

Prerequisite: EDCI 665. Corequisite: EDCI 761. Clinical practicum in instruction focusing on instructional techniques and diagnostic teaching.

0201 (05809) Cudling, R.	Time and room to be arranged
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SESSION II

EDC788U Selected Topics in Teacher Education: Instructional Implications of Cognitive Sciences (*PermReq*) (3) REG/AUD.

For master's certification students only.

0201 (05839) Disher, M. MW 9:00am-12:20pm (EDU 1315)

0202 (05840) Slater, W. MW 9:00am-12:20pm (EDU 1121)

EDC798 Special Problems in Teacher Education (1-6) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

EDC799 Master's Thesis Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

EDC888 Apprenticeship in Education (1-8) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

EDC899 Doctoral Dissertation Research (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

EDCP Education Counseling and Personnel Services

(EDUCATION)

EDCP108E College and Career Advancement: Concepts and Skills (1) REG/P-F/AUD.

0201 (05917) STAFF Time and room to be arranged

EDCP386 Experiential Learning (*PermReq*) (3-6) REG/P-F.

Individual instruction course: contact department or instructor to obtain section number. *Prerequisite:* permission of department. 56 semester hours.

EDCP420 Education and Racism (3) REG/P-F/AUD.

DIVERSITY Strategy development for counselors and educators to deal with problems of racism.

0201 (05942) Rogers, M. MW 9:00am-12:20pm (EDU 2102)

EDCP489 Field Experiences in Counseling and Personnel Services (*PermReq*) (1-4) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

EDCP498 Special Problems in Counseling and Personnel Services (1-3) REG.

Individual instruction course: contact department or instructor to obtain section number.

EDCP798 Special Problems in Counseling and Personnel Services (1-6) REG/AUD.

0201 (06019) STAFF Time and room to be arranged

EDCP799 Master's Thesis Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

EDCP888 Apprenticeship in Counseling and Personnel Services (1-8) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

EDCP888U Apprenticeship in Counseling and Personnel Services: College Student Personnel (*PermReq*) (3) REG/AUD.

0201 (06044) Osteen, J. Tu 1:30pm-4:30pm (ARC 1127)

Time and room to be arranged Dis

EDCP889 Internship in Counseling and Personnel Services (1-8) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

EDCP899 Doctoral Dissertation Research (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

EDHD Education, Human Development

(EDUCATION)

EDHD300 Human Development and Learning (*PermReq*) (6) REG/P-F/AUD.

Prerequisite: admission to teacher education program. Major concepts and theories of human development and learning and their implications for the educational process. One half day a week in school to observe student behavior, participate in classroom activities, and attend seminars on school topics.

0201 (06109) Roberts-on-Tchabo, E. MtuWThF 9:30am-12:30pm (EDU 3315)

EDHD306 Study of Human Behavior (3) REG/AUD.

The scientific principles of human behavior, development, and adjustment. Field work: observation, recording, and analysis of the behavior of an individual. Does not satisfy requirements of professional teacher education program.

0201 (06119) STAFF MW 12:30pm-3:00pm (EDU 3315)

Time and room to be arranged

EDHD413 Adolescent Development (3) REG/P-F/AUD.

Adolescent development, including special problems encountered in contemporary culture. Observational component and individual case study.

0201 (06161) STAFF MW 4:00pm-7:00pm (EDU 3233)

Time and room to be arranged

EDHD460 Educational Psychology (3) REG/P-F/AUD.

Prerequisite: PSYC 100 or EDHD 306 or permission of department. Application of psychology to learning processes and theories.

Individual differences, measurement, motivation, emotions, intelligence, attitudes, problem solving, thinking and communicating in educational settings. (May not be substituted for EDHD 300 by students in professional teacher education programs.)

0201 (06193) STAFF TuTh 7:00pm-10:10pm (EDU 3233)

EDHD489 Field Experiences in Education (*PermReq*) (1-4) REG.

Individual instruction course: contact department or instructor to obtain section number.

EDHD498 Special Problems in Education (1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

EDHD499E Workshops, Clinics, and Institutes: Children and Poverty (3) REG/AUD.

0201 (06207) James Harden, B. TuTh 4:00pm-7:00pm (EDU 3233)

Time and room to be arranged

EDHD600 Introduction to Human Development and Child Study (3) REG/AUD.

An overview of the multidisciplinary scientific principles which describe human development and behavior and an application of these principles in an analysis of a behavioral record. Techniques of observation, recording, and analysis of human behavior. Emphasis on critiquing and applying research findings.

0201 (06217) STAFF TuTh 4:00pm-7:00pm (EDU 3315)

Time and room to be arranged

EDHD789 Internship in Human Development (3-8) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

EDHD798 Special Problems in Education (1-6) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

EDHD799 Master's Thesis Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

EDHD888 Apprenticeship in Education (1-8) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

EDHD889 Internship in Education (3-8) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

EDHD899 Doctoral Dissertation Research (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

EDMS Measurement, Statistics, and Evaluation

(EDUCATION)

EDMS451 Introduction to Educational Statistics (3) REG/AUD.

Junior standing. Introduction to statistical reasoning; location and dispersion measures; computer applications; regression and correlation; formation of hypotheses tests; t-test; one-way analysis of variance; analysis of contingency tables.

0201 (06300) STAFF MtuWTh 12:00pm-1:40pm (EDU 2119)

EDMS445 Quantitative Research Methods I (3) REG/AUD.

Research design and statistical applications in educational research; data representation; descriptive statistics; estimation and hypothesis testing. Application of statistical computer packages is emphasized.

0201 (06312) STAFF MtuWTh 5:00pm-6:40pm (EDU 0212)

EDMS446 Quantitative Research Methods II (3) REG/AUD.

Prerequisite: EDMS 645. A second level inferential statistics course with emphasis on analysis of variance procedures and designs. Assignments include statistical analysis of survey data. Application of statistical computer packages is emphasized.

0201 (06323) STAFF MtuWTh 7:00pm-8:40pm (EDU 1107)

EDMS451 Intermediate Statistics in Education (3) REG/AUD.

Prerequisite: EDMS 646 or equivalent. Multi-way analysis of variance; analysis of covariance; multiple regression and correlation analysis; computer packages for statistical analysis.

0201 (06333) Powell, D. MtuWTh 7:00pm-8:40pm (EDU 1121)

EDMS779 Seminar in Applied Statistics (*PermReq*) (1) REG.

0201 (06343) STAFF Time and room to be arranged

Enrollment restricted to students with a major or minor in measurement, statistics, and evaluation. Concurrent registration for one credit is required when taking EDMS 651.

EDMS798 Special Problems in Education (1-6) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

EDMS799 Master's Thesis Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

EDMS889 Internship in Measurement and Statistics (*PermReq*) (3-12) REG.

Individual instruction course: contact department or instructor to obtain section number.

EDMS899 Doctoral Dissertation Research (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

EDPA Education Policy, Planning and Administration

(EDUCATION)

EDPA489 Field Experiences in Education (1-4) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

EDPA498 Special Problems in Education (*PermReq*) (1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

EDPA690 Research in Education Policy, Planning and Administration
(3) REG/AUD.

Introduction to research methods and designs used in studies of education policy, planning, and administration.

0201 (06523) Hultgren, F. TuTh 3:40pm-7:00pm (EDU 2101)

EDPA798 Special Problems in Education (PermReq)
(1-6) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

EDPA799 Master's Thesis Research
(1-6) REG

Individual instruction course: contact department or instructor to obtain section number.

EDPA889 Internship in Education
(3-8) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

EDPA899 Doctoral Dissertation Research
(1-8) REG/S-F.

Individual instruction course: contact department or instructor to obtain section number.

EDSP Education, Special

(EDUCATION)

EDSP376 Fundamentals of Sign Language
(3) REG/P-F/AUD.

Receptive and expressive skills in American Sign Language. Examination of the causes of deafness, characteristics of deaf education, and aspects of the culture of the deaf community.

0201 (06773) Lyles, D MW 7:00pm-10:15pm (EDU 1315)

EDSP402 Field Placement: Severe Disabilities I (PermReq)
(2-5) REG

Pre- or corequisites: (EDSP 400; and EDSP 404) or permission of department. Practicum experience in settings serving severely disabled individuals. Enrollment limited to those admitted to severely handicapped specialty area. Field placement for two to five half-days per week. Students without the required co- or prerequisites can register for this course with departmental approval. Open to special education graduate students only for this term.

0201 (06794) STAFF Time and room to be arranged

EDSP421 Field Placement: Early Childhood Special Education I (PermReq)
(2-3) REG

Pre- or corequisite: EDSP 420; and EDCI 410. Practicum experience in settings serving preschool handicapped children. Opportunities for studying the patterns of development and learning among non-handicapped and handicapped infants and older preschoolers. Enrollment limited to students admitted to early childhood specialty. Field placement for two or three half-days per week. Students without the required pre- or corequisites can register for this course with departmental approval. Open to special education graduate students only for this term.

0201 (06805) STAFF Time and room to be arranged

EDSP442 Field Placement: Educationally Handicapped I (PermReq)
(2-3) REG.

Pre- or corequisite: (EDSP 441 and EDCI 456) or permission of department. Practicum experience in settings serving educationally handicapped individuals. Demonstration of the content of EDSP 441. Enrollment limited to students admitted to educationally handicapped specialty. Field placement for two or three half-days per week. Students without the required co- or prerequisites can register for this course with departmental approval. Open to special education graduate students only for this term.

0201 (06816) STAFF Time and room to be arranged

EDSP461 Field Placement: Secondary/Transition I
(PermReq)
(3) REG.

Pre- or corequisite: EDSP 460. For EDSP majors only. Practicum experience in secondary/transition programs for individuals with disabilities. Field placement for two half-days per week. Students without the required pre- or corequisites can register for the course with departmental approval. Open to special education graduate students only for this term.

0201 (06837) STAFF Time and room to be arranged

EDSP470 Introduction to Special Education
(3) REG/AUD

Designed to give an understanding of the needs of all types of exceptional children. Open to all students except undergraduate special education majors.

0201 (06848) Voht, L Meets 07/12/99-07/23/99 MWF 9:00am-4:00pm (EDU 1107)

EDSP489 Field Experiences in Special Education
(1-4) REG/P-F/AUD.

0201 (06859) STAFF Time and room to be arranged

EDSP491 Characteristics of Learning Disabled Students
(3) REG/AUD.

Prerequisite: EDSP 470 or permission of department. Diagnosis, etiology, physical, social, and emotional characteristics of learning disabled students.

0201 (06869) Larsen, L TuTh 6:00pm-9:20pm (EDU 2102)

EDSP498 Special Problems in Special Education
(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

EDSP600 Exceptional Children and Youth (PermReq)
(3) REG/AUD.

Prerequisite: 9 hours in special education and permission of department. Examines research relevant to the education of exceptional children and youth.

0201 (06901) STAFF MW 4:00pm-7:20pm (EDU 2101)

EDSP678A Seminar in Special Education: Trauma and Resilience in Early Childhood
(3) REG/AUD.

0201 (06921) Newcomb, S. Meets 07/12/99-07/23/99 MWF 9:00am-4:30pm (EDU 4233)

EDSP788K Selected Topics in Special Education: Medical Aspects and the Educational Implications of Deaf/Blindness and Other Low/Blindness Disabilities
(2) REG

0201 (06941) STAFF Meets 08/02/99-08/06/99 Time and room to be arranged

This course will cover syndromes and other causes of deaf/blindness and low incidence disabilities focusing on gathering and interpreting medical information. The implications of these medical conditions will be considered in relation to current and future educational programming.

EDSP798 Special Problems in Special Education
(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

EDSP799 Master's Thesis Research
(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

EDSP888 Apprenticeship in Special Education
(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

EDSP889 Internship in Special Education
(3-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

EDSP899 Doctoral Dissertation Research
(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENAE Engineering, Aerospace

(ENGINEERING)

ENAE499 Elective Research
(1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ENAE799 Master's Thesis Research
(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENAE899 Doctoral Dissertation Research
(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENBE Biological Resources Engineering

(AGRICULTURE AND NATURAL RESOURCES)

ENBE489 Special Problems in Biological Resources Engineering
(1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ENBE499 Special Problems in Agricultural Engineering Technology
(1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ENBE699 Special Problems in Biological Resources Engineering
(1-6) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ENBE799 Master's Thesis Research
(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENBE899 Doctoral Dissertation Research
(1-8) REG

Individual instruction course: contact department or instructor to obtain section number.

ENCE Engineering, Civil

(ENGINEERING)

ENCE489 Special Problems in Civil Engineering
(1-3) REG/P-F/AUD

Individual instruction course: contact department or instructor to obtain section number.

ENCE688 Advanced Topics in Civil Engineering
(1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ENCE689 Seminar
(1-6) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ENCE799 Master's Thesis Research
(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENCE899 Doctoral Dissertation Research
(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENCH Engineering, Chemical

(ENGINEERING)

ENCH250 Computer Methods in Chemical Engineering
(3) REG/P-F/AUD.

Prerequisites: ENES 100; and ENCH 215. *Corequisite:* MATH 246. Algorithm development and application of software to the analysis of chemical engineering problems. File management and editing, graphics and numerical methods. Use of spreadsheets, statistics/math software and process simulators for the design of chemical process equipment.

0201 (07308) Wang, N. M,W,THF 8:00am-9:20am (CHE 2136)

ENCH468 Research
(1-3) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENCH648 Special Problems in Chemical Engineering
(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENCH799 Master's Thesis Research
(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENCH899 Doctoral Dissertation Research
(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

SESSION II

ENCO Engineering, Cooperative Education

(ENGINEERING)

ENCO098 Summer Co-Op Work Experience (PermReq) (No credit) S-F

0201 (07386) Souber, H. Time and room to be arranged

ENEE Electrical Engineering

(ENGINEERING)

All lower-division CHEM, MATH, PHYS and Engineering courses that are required courses for the BS degree in Electrical Engineering must be completed before enrolling in any 300- or 400-level ENEE course (except ENEE 300 and ENEE 301). Transfer students will be allowed one term to complete all such courses after starting to take upper-level ENEE courses.

ENEE499 Senior Projects in Electrical Engineering (PermReq) (1-3) REG.

0201 (07517) Popomarcou, A. Time and room to be arranged

ENEE699 Independent Studies in Electrical Engineering (1-3) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENEE799 Master's Thesis Research (PermReq) (1-6) S-F.

0201 (07530) Tits, A. Time and room to be arranged

ENEE899 Doctoral Dissertation Research (PermReq) (1-8) S-F.

0201 (07541) Tits, A. Time and room to be arranged

ENES Engineering Science

(ENGINEERING)

ENES100A Introduction to Engineering Design (PermReq) (3) REG/P-F/AUD.

CORE: Physical Science (PS) Corequisite: MATH 140.

0201 (07591) Harris, M. MWF 9:00am-11:25am (EGR 1102)

Permission of dean required. High school students only

ENES220 Mechanics of Materials (3) REG/P-F/AUD.

Prerequisites: ENES 102; and MATH 141; and PHYS 161. For engineering majors only (not including ENEE majors). Stress and deformation of solids—rods, beams, shafts, columns, tanks, and other structural, machine and vehicle members. Topics include stress transformation using Mohr's circle; shear and moment diagrams; derivation of elastic curves; and Euler's buckling formula. Design problems related to this material are given in lab.

0201 (07612) Cheng, P. MtuWThF 9:30am-10:50am (EGR 0135)
TuTh 12:30pm-2:30pm (EGR 0135) Dis

ENFP Engineering, Fire Protection

(ENGINEERING)

ENFP429 Independent Studies (PermReq) (1-3) REG/P-F.

0201 (07693) Spivak, S. Time and room to be arranged

ENFP489R Special Topics: Risk Analysis & Fire Safety Data (3) REG/P-F/AUD.

0201 (07703) Klopchuck, A. MW 5:00pm-8:20pm (EGR 0135)

ENFP619 Graduate Seminar (1-3) REG/AUD.

0201 (07714) STAFF Time and room to be arranged

ENFP629 Selected Topics (3-6) REG/AUD.

0201 (07725) Spivak, S. Time and room to be arranged

ENFP649 Special Problems (1-3) REG/AUD.

0201 (07736) STAFF Time and room to be arranged

ENFP799 Master's Thesis Research (1-6) REG/S-F.

Individual instruction course: contact department or instructor to obtain section number.

ENGL English

(ARTS AND HUMANITIES)

ENGL101 Introduction to Writing (3) REG.

An introductory course in expository writing

0201 (07801) STAFF MtuWThF 9:30am-10:50am (SOH 1123)

0202 (07802) STAFF TuTh 6:00pm-9:15pm (SOH 1103)

0203 (07803) STAFF MtuWThF 11:00am-12:20pm (SOH 1105)

0204 (07804) STAFF MW 6:00pm-9:15pm (SOH 1103)

An introductory course in academic writing

ENGL101B Introduction to Writing (PermReq) (3) REG.

For Bridge students only.

0203 (07814) STAFF MtuWThF 1:00pm-2:20pm (JMP 2202)

0204 (07815) STAFF MtuWThF 1:00pm-2:20pm (JMP 3105)

ENGL222 American Literature: 1865 to Present (3) REG/P-F/AUD.

CORE: Literature (HL) Surveys American writing from the Civil War through the Cold War. Authors such as Clemens, Frost, Hurston, Bellow

0201 (07847) Osterman, J. MW 6:00pm-9:15pm (JRN 1105)

ENGL234 Introduction to African-American Literature (3) REG/P-F/AUD.

CORE: Literature (HL) DIVERSITY A survey of African-American literature from the late eighteenth century to the present.

0201 (07858) Gordon, M. MW 1:00pm-4:15pm (SOH 1105)

ENGL241 Introduction to the Novel (3) REG/P-F/AUD.

CORE: Literature (HL) Historical, formal, social questions about the genre. Readings drawn from a range of cultures and communities

0201 (07868) Salomancio, J. TuTh 9:00am-12:15pm (SOH 2122)

ENGL243 Introduction to Poetry (3) REG/P-F/AUD.

CORE: Literature (HL) How poetry works. Focus on style, subject, rhythm, voice, technique and structure. Readings from a range of cultures and communities.

0201 (07879) Forester, M. TuTh 9:00am-12:15pm (LEF 1220)

ENGL250 Introduction to Literature by Women (3) REG/P-F/AUD.

CORE: Literature (HL) DIVERSITY Also offered as WMST 255. Credit will be granted for only one of the following: ENGL 250 or WMST 255. Images of women in literature by and about women.

0201 (07890) Oueltsso-Freeman, J. TuTh 1:00pm-4:15pm (SOH 1105)

ENGL310 Medieval and Renaissance British Literature (3) REG/P-F/AUD.

Prerequisite: two lower-level English courses, or at least one in literature, or permission of department. Detailed study of selected major medieval and Renaissance works written in England. Cultural attitudes and historical contexts. May include Beowulf, Anglo-Saxon lyric, drama, sonnets, works of women writers, Chaucer, Spenser, Sidney. Some readings in Middle English.

0201 (07930) Coogan, R. TuTh 6:00pm-9:15pm (SOH 1107)

ENGL312 Romantic to Modern British Literature (3) REG.

Detailed study of selected major texts from the 19th and 20th centuries. Transitions from Romanticism to Victorian age to Modernism. Historical, social, literary contexts. Issues such as rise of democracy; industrial revolution; the "woman question"; revolutions in literary form. Authors might include Wordsworth, Austen, Dickens, Arnold, T.S. Eliot, Woolf.

0201 (07941) Cate, G. MW 1:00pm-4:15pm (SOH 1107)

ENGL360 African, Indian and Caribbean Writers (3) REG/P-F/AUD.

DIVERSITY Prerequisite: two lower-level English courses, or at least one in literature, or permission of department. Selected writers from countries formerly colonies of Britain, France, Denmark, etc. Attention to ways regions have developed distinctive political and aesthetic values resulting from indigenous traditions and foreign influences.

0201 (07971) Ray, S. TuTh 6:00pm-9:15pm (SOH 2120)

ENGL379E Special Topics in Literature: Film Analysis - The Rhetoric of Fictional Worlds (3) REG.

0201 (07982) Miller, J. TuTh 6:30pm-10:00pm (SOH 1120)

ENGL380 Internship (PermReq) (3-6) REG/P-F/AUD.

Prerequisite: permission of department. The English Department's internship program. Preprofessional experience in writing and editing in a variety of fields.

0201 (08002) Terchek, M. Time and room to be arranged

ENGL391 Advanced Composition (3) REG.

Prerequisite: 56 hours of college credit which must include ENGL 101 or equivalent. An advanced composition course which emphasizes constructing written arguments accommodated to real audiences.

0202 (08015) STAFF MtuWThF 9:30am-10:50am (SOH 1111)

0203 (08016) STAFF MtuWThF 11:00am-12:20pm (SOH 1123)

0204 (08017) STAFF MW 6:00pm-9:15pm (SOH 2119)

0205 (08018) STAFF TuTh 6:00pm-9:15pm (SOH 2122)

ENGL393 Technical Writing (3) REG.

Prerequisite: 56 hours of college credit which must include ENGL 101 or equivalent. The writing of technical papers and reports

0201 (08045) STAFF MtuWThF 8:00am-9:20am (SOH 2119)

0202 (08046) STAFF MtuWThF 9:30am-10:50am (SOH 2120)

0204 (08047) STAFF MtuWThF 11:00am-12:20pm (SOH 2119)

0206 (08048) STAFF MW 6:00pm-9:15pm (SOH 1123)

0207 (08049) STAFF MW 6:00pm-9:15pm (SOH 1111)

0209 (08050) STAFF TuTh 6:00pm-9:15pm (SOH 1121)

0210 (08051) STAFF TuTh 6:00pm-9:15pm (SOH 1123)

ENGL393X Technical Writing (3) REG.

Prerequisite: 56 hours of college credit which must include ENGL 101 or equivalent. For students for whom English is a second language.

0201 (08064) STAFF MtuWThF 9:30am-10:50am (SOH 2119)

0202 (08065) STAFF TuTh 6:00pm-9:15pm (SOH 1111)

0203 (08066) STAFF MW 6:00pm-9:15pm (SOH 1121)

ENGL394 Business Writing (3) REG.

Prerequisite: 56 hours of college credit which must include ENGL 101 or equivalent. Intensive practice in the forms of written communication common in the business world—letters, memos, short reports, and proposals. Principles of logic and effective style. This course satisfies the junior English requirement.

0201 (08083) STAFF MtuWThF 9:30am-10:50am (SOH 2121)

0202 (08084) STAFF MtuWThF 9:30am-10:50am (SOH 1101)

0203 (08085) STAFF MtuWThF 11:00am-12:20pm (SOH 1107)

0204 (08086) STAFF MW 6:00pm-9:15pm (SOH 1105)

0205 (08087) STAFF TuTh 6:00pm-9:15pm (SOH 2121)

ENGL404 Shakespeare: The Later Works (3) REG/P-F/AUD.

Prerequisite: two English courses in literature or permission of department. Class study of selected plays from the second half of Shakespeare's career. Generic issues of later tragedies, later comedies, romances. Language, theme, dramatic technique, sources, and early modern English social-historical context.

0201 (08117) Grossman, M. MW 6:00pm-9:15pm (SOH 1101)

ENGL420 Literature of the Romantic Period I (3) REG/P-F/AUD.

Prerequisite: two English courses in literature or permission of department. First generation of writers of the early nineteenth century, including Wordsworth, Coleridge, Blake.

0201 (08127) Howard, J. MW 6:00pm-9:15pm (SOH 2122)

ENGL429 Independent Research in English (PermReq) (1-6) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ENGL479A Selected Topics in English and American Literature after 1800: AIDS & African America: History, Rhetoric, and Literature (3) REG/P-F/AUD.

0201 (08149) Morose, M. TuTh 6:00pm-9:15pm (SOH 2117)

ENGL489A Special Topics in English Language: The Language of Advertising (3) REG/P-F/AUD.

0201 (08159) Hendrickson, A. MW 6:00pm-9:15pm (SOH 1117)

ENGL601 Literary Research and Critical Contexts

(3) REG/AUD.
0201 (08179) STAFF TuTh 6:00pm-9:15pm
(SQH 3105)

ENGL699 Independent Study (PermReq)

(1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ENGL799 Master's Thesis Research

(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENGL899 Doctoral Dissertation Research

(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENMA Engineering, Materials

(ENGINEERING)

ENMA499 Senior Laboratory Project (PermReq)

(1-3) REG/P-F/AUD.

0201 (08285) Wilson, O. Time and room to be arranged

ENMA698 Special Problems in Materials Science and Engineering

(1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ENMA799 Master's Thesis Research (PermReq)

(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENMA899 Doctoral Dissertation Research (PermReq)

(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENME Engineering, Mechanical

(ENGINEERING)

ENME488 Special Problems (PermReq)

(3) REG/P-F/AUD.

0201 (08402) Anone, S. Time and room to be arranged

ENME799 Master's Thesis Research

(1-6) REG.

0201 (08423) *duMarzo, M.* Time and room to be arranged

ENME808 Advanced Topics in Mechanical Engineering

(3) REG/AUD.

0201 (08434) *duMarzo, M.* Time and room to be arranged

ENME899 Doctoral Dissertation Research

(1-8) REG.

0201 (08445) *duMarzo, M.* Time and room to be arranged

ENNU Engineering, Nuclear

(ENGINEERING)

ENNU468 Research

(2-3) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENNU648 Special Problems in Nuclear Engineering

(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENNU799 Master's Thesis Research

(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENNU899 Doctoral Dissertation Research

(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENPM Engineering, Professional Masters

(ENGINEERING)

ENPM808 Advanced Topics in Engineering

(1-3) REG/AUD.

0201 (08573) STAFF Time and room to be arranged

ENRE Reliability Engineering

(ENGINEERING)

ENRE648 Special Problems in Reliability Engineering (PermReq)

(1-6) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ENRE799 Master's Thesis Research

(1-6) REG/S-F.

Individual instruction course: contact department or instructor to obtain section number.

ENRE899 Doctoral Dissertation Research

(1-8) REG/S-F.

Individual instruction course: contact department or instructor to obtain section number.

ENSE Systems Engineering

(ENGINEERING)

ENSE799 Systems Engineering Thesis: Masters Thesis Rsrch (PermReq)

(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

Contact Systems Engineering Office, Rm. 2172 A. V Williams Bldg. to make arrangements.

ENTM Entomology

(LIFE SCIENCES)

ENTM100 Insects

(3) REG/P-F/AUD.

A survey of the major groups of insects, their natural history, and their relationships with humans and their environment.

0201 (08813) Messersmith, D. M TuWThF 9:30am-10:50am
(PLS 1161)

ENTM399 Special Problems

(1-2) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ENTM699 Advanced Entomology

(1-6) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ENTM789 Field Experience in Pest Management

(1-6) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

ENTM799 Master's Thesis Research

(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENTM899 Doctoral Dissertation Research

(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

ENTS Telecommunications

(ENGINEERING)

ENTS609 Telecommunications Project

(3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

FMST Family Studies

(HEALTH AND HUMAN PERFORMANCE)

FMST260 Couple Relationships

(3) REG/P-F/AUD.

Formerly FMCO 260. Couple relationships and their alternatives in contemporary dating, courtship and marriage

0201 (08933) Rubin, R TuTh 9:30am-12:50pm
(MMH 1304)

FMST330 Family Theories and Patterns

(3) REG/AUD.

Junior standing Formerly FMCO 330. Theory and research on the family, including a cross-cultural analysis of family patterns.

0201 (08954) Zeigler, R MW 2:00pm-5:20pm
(MMH 1304)

FMST332 Children in Families

(3) REG/P-F/AUD.

Prerequisite: FMST 105 or PSYC 100. Formerly FMCO 332. A family life education approach to the study of children and families. Emphasis on the interaction of children with parents, siblings, extended kin, and the community.

0201 (08965) Avery, A MW 2:00pm-5:20pm
(MMH 0108)

FMST341 Personal and Family Finance

(3) REG/P-F/AUD.

Credit will be granted for only one of the following: FMCO 441, FMST 341, FMCO 341 or CNEC 410. Formerly FMCO 341.

Individual and family financial strategies with emphasis on financial planning, savings, investments, insurance, income taxes, housing, and use of credit. Planning, analyzing, and controlling financial resources to resolve personal/family financial problems and to attain financial security

0201 (08975) Stepherson, M. TuTh 2:00pm-5:20pm
(MMH 1400)

FMST381 Poverty, Affluence, and Families

(3) REG/P-F/AUD.

DIVERSITY Prerequisite: SOCY 100 or SOCY 105. Formerly FMCO 381. Social, political, cultural and economic factors influencing income and wealth in American families.

0201 (08985) Rubin, R TuTh 2:00pm-5:20pm
(MMH 1304)

FMST386 Experiential Learning (PermReq)

(3-6) REG/P-F.

Individual instruction course: contact department or instructor to obtain section number. Prerequisite: permission of department. 5.6 semester hours

FMST399 Independent Study (PermReq)

(1-6) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

Individualized family and community studies projects of interest to student and faculty.

FMST431 Family Crises and Intervention

(3) REG/P-F/AUD.

Prerequisite: PSYC 100. Family crises such as divorce, disability, substance abuse, financial problems, intrafamilial abuse, and death. Theories and techniques for intervention and enhancement of family coping strategies

0201 (09010) Zeiger, R. MW 9:30am-12:50pm
(MMH 1304)

FMST487 Legal Aspects of Family Problems

(3) REG/P-F/AUD.

Laws and legal procedures, with emphasis on adoption, marriage, divorce, annulment, and property rights, and how they affect family life.

0201 (09041) Palmer, B. TuTh 6:00pm-9:20pm
(MMH 1400)

FMST498 Special Topics (PermReq)

(1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

Individual family studies instruction course on topics of interest to student and faculty.

FMST498R Special Topics: Sexuality and Family Relations

(3) REG/P-F/AUD.

0201 (09062) Avery, A MW 6:00pm-9:20pm
(MMH 1304)

FMST658 Supervised Clinical Practice of Marriage and Family Therapy

(1-3) S-F.

0201 (09113) Warfield, C. W 9:00am-12:00pm
(MMH 1310)

Time and room to be arranged Dis

FMST689 Internship (PermReq)

(3-6) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

Internship related to student's chosen specialization.

SESSION II

FMST698 Advanced Topics in Family Studies (PermReq) (1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

FMST699 Independent Study (1-6) REG/AUD

Individual instruction course: contact department or instructor to obtain section number.

FMST789 Non-Thesis Research (PermReq) (1) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

FMST799 Master's Thesis Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

FREN French

(ARTS AND HUMANITIES)

FREN102 Elementary French (4) REG/P-F/AUD.

Prerequisite: FREN 101 or UMCP or permission of department. Further work on basic structures and pronunciation with emphasis on the four skills: listening, speaking, reading and writing.

0201 (09231) El Nasser, M. M/WTh 9:00am-11:15am
JMZ 0122.

FREN103 Review of Elementary French (4) REG/P-F/AUD.

Limited to students who have had at least two years of high-school French or equivalent or who do not qualify for FREN 203. Credit will be granted for only one of the following: FREN 101/ FREN 102 or FREN 103.

0201 (09242) Bekrou, V. M/WTh 9:00am-12:00pm
JMZ 0205.

FREN203 Intermediate French (4) REG/P-F/AUD.

CORE: Humanities (HO). Completion of the study of basic grammatical structures, with readings, conversation, and composition. Fulfills the Arts and Humanities language requirement.

0201 (09253) Szazma-Moreau, S. M/WTh 9:00am-11:15am
JMZ 3120.

FREN204 Review Grammar and Composition (3) REG/P-F/AUD.

CORE: Humanities (HO). *Prerequisite:* FREN 203 or permission of department. An intensive review of major aspects of contemporary grammatical usage, training in comprehension and guided composition.

0201 (09243) Honano, C. M/WTh 9:00am-10:45am
JMZ 0103.

FREN312 Introduction to French Culture: The French Press (3) REG/P-F/AUD

Prerequisite: any 200-level course in French above FREN 203 or permission of department. Not open to native speakers. Analysis and discussion of articles from French and Francophone printed media: reflecting a variety of sources and styles.

0201 (09293) Stief, M/WTh 9:00am-10:45am
JMZ 3118.

This course will be taught by a visiting professor, Dr. Christian Guarme, of Nice, France. Taught concurrently with FREN 434 and FREN 473.

FREN386 Experiential Learning (PermReq) (3-6) REG/P-F

Individual instruction course: contact department or instructor to obtain section number. *Prerequisite:* permission of department. 56 semester hours.

FREN399 Directed Study in French (PermReq) (1-3) S-F.

Individual instruction course: contact department or instructor to obtain section number.

FREN404 Issues in the French-Speaking World Today (3) REG/P-F/AUD.

Prerequisite: FREN 311 or FREN 312 or permission of department. A socio-cultural and historical approach to relevant issues affecting contemporary French civilization. Press articles and television programs will be the basis for classroom cultural analysis and oral communication.

0201 (09307) STAFF. M/WTh 9:00am-10:45am
JMZ 3118.

This course will be taught by a visiting professor, Dr. Christian Guarme, of Nice, France. Taught concurrently with FREN 312 and FREN 473.

FREN473 The Construction of French Identity III: Cross-Cultural Approaches to the Study of Contemporary French Society (3) REG/P-F/AUD.

Patterns of communication, mythology, and ideology in modern France, from the Third Republic to the present, through historical and cross-cultural approaches, with reference to the Francophone world.

0201 (09317) STAFF. M/WTh 9:00am-10:45am
JMZ 3118.

This course will be taught by a visiting professor, Dr. Christian Guarme, of Nice, France. Taught concurrently with FREN 311 and FREN 404.

FREN798 Master's Independent Study (1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

FREN799 Master's Thesis Research (1-3) REG

Individual instruction course: contact department or instructor to obtain section number.

FREN898 Doctoral Independent Study (3) REG/AUD

Individual instruction course: contact department or instructor to obtain section number.

FREN899 Doctoral Dissertation Research (1-4) REG.

Individual instruction course: contact department or instructor to obtain section number.

GEOG Geography

(BEHAVIORAL AND SOCIAL SCIENCES)

GE06202 The World in Cultural Perspective (3) REG/P-F/AUD.

CORE: Behavioral and Social Science (SB). The impact of cultural traits, such as religion, language and livelihood systems, on the earth's landscape. The transformation of the earth's surface as a result of cultural diversity, settlement patterns, political organization, cultural evolution, and population growth.

0201 (09424) Eney, A. MW 9:00am-12:30pm
LEF 1222.

GE06321 Maryland and Adjacent Areas (3) REG/P-F/AUD.

The physical environment, natural resources, and population in relation to agriculture, industry, transport, and made in the State of Maryland and adjacent areas.

0201 (09434) Eney, A. MW 1:00pm-4:30pm
LEF 1221.

GE06340 Geomorphology (3) REG/P-F/AUD.

Survey of landform types and rate of processes in their generation. Frequency of occurrence and implications for land utilization. Emphasis on coastal, fluvial, and glacial landforms in different environmental settings. Landform regions of Maryland.

0201 (09444) Keamey, M. TuTh 9:30am-10:00pm
LEF 2166.

GE06373 Geographic Information Systems (3) REG/P-F/AUD.

Characteristics and organization of geographic data, creation and use of digital geospatial databases; metadata; spatial data models for thematic mapping and map analysis; use of geographic information system in society, government, and business. Practical training with use of advanced software and geographic databases.

0201 (09484) Shuey, C. TuTh 6:00pm-9:30pm
LEF 1221.

GE06384 Internship in Geography (PermReq) (3) S-F.

Individual instruction course: contact department or instructor to obtain section number. *Prerequisite:* GE06 305; and GE06 310; and permission of department. *Corequisite:* GE06 385. Supervised field training to provide career experience. Introduction to professional level activities, demands, opportunities. Placement at a public agency, non-profit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

GE06385 Internship Research Paper (PermReq) (3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number. *Prerequisite:* GE06 305; and GE06 310; and permission of department. *Corequisite:* GE06 384. Seminar conducted on campus. Research paper related to the student's internship.

GE06421 Cultural Ecology (3) REG/P-F/AUD.

Basic issues concerning the natural history of humans from the perspective of the geographer. Basic components of selected behavioral and natural systems, their evolution and adaptation, and survival strategies.

0201 (09506) Geores, M. TuTh 1:00pm-4:30pm
LEF 1222.

GE06498 Topical Investigations (PermReq) (1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

GE06788 Selected Topics in Geography (PermReq) (1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

GE06789 Independent Readings (PermReq) (1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number. Contact department to make arrangements.

GE06790 Internship in Geography (PermReq) (3) REG/AUD

Individual instruction course: contact department or instructor to obtain section number. Field experience in the student's specialty in a federal, state, or local agency or private business. Research paper required. Contact department to make arrangements.

GE06799 Master's Thesis Research (PermReq) (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

GE06899 Doctoral Dissertation Research (PermReq) (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

GEOL Geology

(COMPUTER, MATHEMATICAL AND PHYSICAL SCIENCES)

GEOL499 Special Problems in Geology (PermReq) (1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

GEOL799 Master's Thesis Research (1-4) REG.

Individual instruction course: contact department or instructor to obtain section number.

GEOL899 Doctoral Dissertation Research (1-8) REG/S-F.

Individual instruction course: contact department or instructor to obtain section number.

GERM Germanic Studies

(ARTS AND HUMANITIES)

GERM102 Elementary German II (4) REG/P-F/AUD.

Prerequisite: GERM 101 or equivalent. Formerly GERM 112. A continuation of GERM 101, completing the introduction of basic structures and continuing the involvement with the civilization of the German-speaking world.

0201 (09786) STAFF. M/WThF 11:00am-1:00pm
JMZ 3203.

GERM202 Intermediate German II (4) REG/P-F/AUD.

CORE: Humanities (HO). *Prerequisite:* GERM 201. Not open to students who have completed GERM 211. Credit will be granted for only one of the following: GERM 202 or GERM 211 or GERM 104. Formerly GERM 217. Continuation of GERM 201. Grammar review and greater mastery of vocabulary, idioms, conversational fluency and compositional skills. Readings stress the current lifestyle and civilization of the German-speaking world.

0201 (09806) STAFF. M/WThF 11:00am-1:00pm
JMZ 3118.

GERM499 Directed Study: Directed Study in German (1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

Contact instructor before registering.

GERM798 Master's Independent Study (1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

Contact instructor before registering.

GERM799 Master's Thesis Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

GERM898 Doctoral Independent Study (1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

GERM899 Doctoral Dissertation Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

GVPT Government and Politics

(BEHAVIORAL AND SOCIAL SCIENCES)

GVPT100 Principles of Government and Politics
(3) REG/P-F/AUD.

CORE: Behavioral and Social Science (SB). A study of the basic principles and concepts of political science.

0201 (09886) Johnson, C TuTh 9:00am-12:20pm
JARC 1165.**GVPT170 American Government**
(3) REG/P-F/AUD.

CORE: Behavioral and Social Science (SB). A comprehensive study of national government in the United States—national, state and local.

0201 (09897) Gimpel, J. MW 9:30am-11:45am
SQH 1120**GVPT241 The Study of Political Philosophy: Ancient and Modern**
(3) REG/P-F/AUD.

Prerequisite: GVPT 100. Examines some of the salient continuities and breaks between the ancient and modern traditions in Western political philosophy.

0201 (09918) Teresh, R. TuTh 1:00am-4:20pm
SKN 0104.**GVPT309P Topics in International Relations: Human Rights and Democratization in Latin America**
(3) REG/P-F/AUD.0201 (09938) Kaufman, E TuTh 2:00pm-5:20pm
TYD 0117.

Also offered as SPAN 448B.

GVPT309X Topics in International Relations: Conflict Resolution - The Israeli Palestinian Experiment
(3) REG/P-F/AUD.0201 (09948) Hassassan, M. TuTh 6:00pm-9:20pm
TYD 0101.

To be team taught by Palestinian and Israeli Professors: to cover historic background to the conflict, the peace process and an applied exercise in conflict resolution or the issue of Jerusalem. Course taught by Manuel Hassassan and Edward Kaufman.

GVPT386 Experiential Learning (PermReq)
(3-6) REG/P-F.

Prerequisite: permission of department. 56 semester hours.

0201 (09989) STAFF Time and room to be arranged.

GVPT388 Topical Investigations (PermReq)
(1-3) REG/P-F/AUD.

0201 (10000) STAFF Time and room to be arranged.

GVPT399B Seminar in Government and Politics: Vietnam Legacies and Film
(3) REG/P-F/AUD.0201 (10050) Viem, L. MW 6:00pm-9:50pm
PLS 1130.**GVPT447 Islamic Political Philosophy**
(3) REG/P-F/AUD.

DIVERSITY: The writings of one or several authors from the rise of Islamic philosophy until today are examined in order to see how they understand the conflicting claims of revelations and unaided human reason about the best regime, justice, and human virtue.

0201 (10070) Hassassan, M. TuTh 2:00pm-5:20pm
TYD 0111.

Also offered as PHIL 408.

GVPT479A Problems of American Public Policy: The Politics of the Vietnam War
(3) REG/P-F/AUD.0201 (10090) Viem, L. TuTh 6:00pm-9:50pm
PLS 1130.**GVPT898 Readings in Government and Politics**
(3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

GVPT899 Doctoral Dissertation Research
(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

HESP Hearing and Speech Sciences

(BEHAVIORAL AND SOCIAL SCIENCES)

HESP386 Experiential Learning (PermReq)
(3-6) REG/P-F.

Individual instruction course: contact department or instructor to obtain section number. Prerequisite: permission of department. 56 semester hours.

HESP407 Bases of Hearing Science
(3) REG/P-F/AUD.

Prerequisite: HESP 311. Fundamentals of hearing, including the physics of sound, anatomy and physiology of peripheral and central auditory nervous system, psychophysical procedures used in measurement of auditory sensation and detection, and topics in psychobiology audiatics.

0201 (10213) Needleman, A. MW 11:00am-1:15pm
TYD 2111.**HESP417 Principles and Methods in Speech-Language Pathology and Audiology**
(3) REG/P-F/AUD.

Prerequisite: HESP 402, HESP 411. The principles underlying the treatment of speech, language and hearing disorders in children and adults.

0201 (10223) Palmer, S. MW 9:30am-10:50am
LEF 1201.**HESP499 Independent Study (PermReq)**
(1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

HESP638 Research Practicum: Minor Research Problems
(1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

HESP698 Special Topics in Hearing and Speech Sciences: Dysphagia
(3) REG/AUD.

Gerard N. McCall, course chairman.

0201 (10267) McCall, G. Meets 07/12/99-07/30/99

M/W 3:00pm-6:00pm
PLS 1111.
F 1:00pm-4:00pm
PLS 1111.**HESP649 Clinical Practice in Audiology (PermReq)**
(1-2) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

HESP708 Independent Study
(1-6) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

HESP728 Advanced Clinical Practice in Speech
(2) REG/AUD.

0201 (10311) STAFF Time and room to be arranged.

HESP799 Master's Thesis Research
(1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

HESP899 Doctoral Dissertation Research
(1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

HISP Historic Preservation

(ARCHITECTURE)

HISP619 Special Topics in Historic Preservation (PermReq)
(3) REG/AUD.

0201 (10375) Flock, J. Time and room to be arranged.

HISP700 Final Seminar in Historic Preservation
(3) REG/AUD.

Critical evaluation of project portfolio, or homework on which the students have been working throughout the program; a synthesis of historic preservation process and achievements with special focus on careers in the field.

0201 (10417) Flock, J. Time and room to be arranged.

HIST History

(ARTS AND HUMANITIES)

HIST112 The Rise of the West: 1500 - 1789
(3) REG/P-F/AUD.

CORE: Humanities (H). Formerly HIST 132. History of early modern Europe: Development of the national consciousness of European peoples. Evolution of state power and bureaucracy, economic institutions, art, literature, science and religion.

0201 (10477) Burns, W. M/W 11:00am-12:20pm
KEY 0116.**HIST156 History of the United States to 1865**
(3) REG/P-F/AUD.

CORE: Social or Political History (SH). The United States from colonial times to the end of the Civil War. Establishment and development of American institutions.

0201 (10498) Hughes, M. M/W 9:30am-10:50am
KEY 0103.**HIST157 History of the United States Since 1865**
(3) REG/P-F/AUD.

CORE: Social or Political History (SH). The United States from the end of the Civil War to the present. Economic, social, intellectual, and political developments. Rise of industry and emergence of the United States as a world power.

0201 (10509) Walkie, E. M/W 11:00am-12:20pm
KEY 0103.**HIST225 Modern Military History, 1815-Present**
(3) REG/P-F/AUD.

The military history of Europe through an examination of the economic, financial, strategic, tactical, and technological aspects of the development of military institutions and warfare from the Congress of Vienna in 1815 to the present.

0201 (10529) Surovic, J. M/W 9:30am-10:50am
KEY 0116.**HIST314A Crisis and Change in the Middle East and Africa: Nationalism and Nation-Building in the Middle East**
(3) REG/P-F/AUD.

DIVERSITY

0201 (10549) Ziff, M. M/W 11:00am-12:20pm
KEY 0125.**HIST337 Europe in the World Setting of the 20th Century**
(3) REG/P-F/AUD.

Political, economic and cultural developments in 20th century Europe with special emphasis on the factors involved in the two world wars and their global impacts and significance.

0201 (10559) Kent, G. M/W 9:30am-10:50am
KEY 0126.**HIST355 Civil War and the Rise of Industrialization, 1860-1900**
(3) REG/P-F/AUD.

Credit will be granted for only one of the following: HIST 355 and HIST 364. Civil War, sectional and class conflicts and their impact on American life and institutions from the beginning of the Civil War through the Gilded Age, social, economic, and political reconstruction of the union, industrialization, urbanization, and technological changes.

0201 (10579) Donovan, S. MW 6:00pm-9:15pm
KEY 0120.**HIST357 Recent America: 1945-Present**
(3) REG/AUD.

Recommended: HIST 157 or HIST 356. Credit will be granted for only one of the following: HIST 357 or HIST 367. American history from the inauguration of Harry S. Truman to the present with emphasis upon politics and foreign relations, but with consideration of special topics such as radicalism, conservatism, and labor.

0201 (10589) Smeed, H. M/W 9:30am-10:50am
KEY 0125.**HIST386 Experiential Learning (PermReq)**
(3-6) REG/P-F.

Prerequisite: permission of department. 56 semester hours.

0201 (10600) Flock, J. Time and room to be arranged.

HIST49A Special Topics in History: Field Work Analysis (PermReq)
(3) REG/P-F/AUD.

0201 (10612) Holm, K. Time and room to be arranged.

HIST453 Diplomatic History of the United States from 1914
(3) REG/P-F/AUD.

American foreign relations in the twentieth century: World War I, the Great Depression, World War II, the Cold War, the Korean War, and Vietnam. A continuation of HIST 452.

0201 (10622) Zhang, S. MW 6:00pm-9:15pm
KEY 0125.**HIST459A Society in America: Historical Topics: Native American Ethnohistory: Theories and Methods**
(3) REG/P-F/AUD.0201 (10632) Brooks, J. TuTh 6:00pm-9:15pm
KEY 0125.**HIST467 History of Maryland**
(3) REG/P-F/AUD.

Political, social and economic history of Maryland from the seventeenth century to the present.

0201 (10652) Simerson, G. TuTh 6:00pm-9:15pm
KEY 0124.**HIST499 Independent Study: Field Work in Israel (PermReq)**
(1-3) REG/P-F/AUD.

0201 (10674) Holm, K. Time and room to be arranged.

SESSION II

HIST499A Independent Study (PermReq)
(1-3) REG/P-F/AUD.
0201 (10685) STAFF Time and room to be arranged

HIST619A Special Topics in History: Field Work Analysis
(1-3) REG/AUD.
0201 (10697) Holm, K. Time and room to be arranged

HIST619B Special Topics in History: Independent Study (PermReq)
(1-3) REG/AUD.
Individual instruction course, contact department or instructor to obtain section number.

HIST799 Master's Thesis Research
(MasterReq)
(1-6) REG.
Individual instruction course: contact department or instructor to obtain section number.

HIST899 Doctoral Dissertation Research (PermReq)
(1-8) REG.
Individual instruction course: contact department or instructor to obtain section number.

HLTH Health

(HEALTH AND HUMAN PERFORMANCE)

HLTH06 Drug Use and Abuse
(3) REG/P-F/AUD.
An interdisciplinary analysis of contemporary drug issues and problems. The course will examine physiological, psychological, social, philosophical, historical, legal and health aspects of drug use and abuse. Special attention will be focused on those general motivations for drug use that attend life on the college campus.
0201 (10763) Gray, S. M/WThF 9:30am-10:50am (HHP 1303)

HLTH40 Personal and Community Health
(3) REG/P-F/AUD.
Meaning and significance of physical, mental and social health as related to the individual and to society; important phases of natural health problems; constructive methods of promoting health of the individual and the community.
0201 (10774) Brown, S. M/WThF 9:30am-10:50am (HHP 1301)

HLTH50 First Aid and Emergency Medical Services
(2) REG/P-F/AUD.
Lecture, demonstration and training in emergency care, including cardiopulmonary resuscitation, hemorrhage control, shock, poisons and bone injury treatment and childbirth. American Red Cross and Heart Association of Maryland Certification awarded.
0201 (10786) Torchia, T. TuTh 10:00am-11:50am (HHP 0302)
0202 (10787) Milten, S. MW 6:00pm-8:45pm (HHP 0302)

HLTH25 Controlling Stress and Tension
(3) REG/P-F/AUD.
Health problems related to stress and tension. Analysis of causative psychosocial stressors and intervening physiological mechanisms. Emphasis on prevention and control of stress through techniques such as biofeedback, meditation and neuromuscular relaxation.
0201 (10798) Gray, S. M/WThF 11:00am-12:20pm (HHP 1301)

Section 0101 includes a service learning component, learning will be enhanced by students applying knowledge and skills learned in the class to people in need of the this expertise. In turn, people in need will benefit from this service.

HLTH29 Topical Investigations
(1-3) REG/P-F/AUD.
Individual instruction course, contact department or instructor to obtain section number. Contact department to make arrangements.

HUTH377 Human Sexuality
(3) REG/P-F/AUD.
Formerly HUTH 477. The biological and developmental aspects of human sexuality, the psychological and emotional aspects of sexual behavior; sexual identity; the historical, cultural, social, linguistic, legal and moral forces affecting sexual issues; the importance of communication, disclosure and intimacy in interpersonal relationships; and research trends in the area of human sexuality.
0201 (10811) Milten, S. TuTh 5:45pm-9:15pm (HHP 1303)

Section 0102 includes a service learning component, learning will be enhanced by students applying knowledge and skills learned in the class to people in need of the this expertise. In turn, people in need will benefit from this service.

HUTH386 Experiential Learning (PermReq)
(3-6) REG/P-F.
Individual instruction course: contact department or instructor to obtain section number. Prerequisite: permission of department. 56 semester hours. Contact department to make arrangements.

HUTH389 Topical Investigations
(1-3) REG/P-F/AUD.
Individual instruction course: contact department or instructor to obtain section number. Contact department to make arrangements.

HUTH471 Women's Health
(3) REG/P-F/AUD.
DIVERSITY Also offered as WNST 471. Credit will be granted for only one of the following: HUTH 471 or WNST 471. The woman's health movement from the perspective of consumerism and feminism. The physician-patient relationship in the gynecological and other medical settings. The gynecological exam, gynecological problems, contraception, abortion, pregnancy, breast and cervical cancer and surgical procedures. Psychological aspects of gynecological concerns.
0201 (10855) STAFF M/WTh 12:30pm-2:10pm (HHP 1301)
0202 (10856) Hunt, M. MW 5:45pm-9:15pm (HHP 1302)

HUTH489 Field Laboratory Projects and Workshop (PermReq)
(1-6) REG/P-F/AUD.
Individual instruction course: contact department or instructor to obtain section number. Contact department to make arrangements.

HUTH688 Special Problems in Health Education
(1-6) REG/AUD.
Individual instruction course: contact department or instructor to obtain section number. Contact department to make arrangements.

HUTH799 Master's Thesis Research
(1-6) REG/S-F.
Individual instruction course: contact department or instructor to obtain section number. Contact department to make arrangements.

HUTH899 Doctoral Dissertation Research
(1-8) REG/S-F.
Individual instruction course: contact department or instructor to obtain section number. Contact department to make arrangements.

HONR Honors

(UNDERGRADUATE STUDIES)

HONR239K Honors Seminar: The Discovery of Personality in Literature
(3) REG.
CORE: Literature (HL)
0201 (10964) Howard, J. TuTh 6:30pm-9:45pm (PLS 1115)

HONR2590 Honors Seminar: Conformity, Rebellion, and Identity: A Literary Perspective
(3) REG.
CORE: Literature (HL)
0201 (10984) Aiozo, J. M/WThF 9:30am-10:50am (ANA 0100)

HORT Horticulture & Landscape Architecture

(AGRICULTURE AND NATURAL RESOURCES)

HORT389 Horticultural Internship
(1-6) REG/P-F/AUD.

0201 (11088) STAFF Time and room to be arranged
HORT399 Special Problems in Horticulture
(1-2) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

HORT799 Master's Thesis Research
(1-6) REG.
Individual instruction course: contact department or instructor to obtain section number.

HORT899 Doctoral Dissertation Research
(1-8) REG.
Individual instruction course: contact department or instructor to obtain section number.

ITAL Italian

(ARTS AND HUMANITIES)

ITAL02 Elementary Italian II
(4) REG/P-F/AUD.
Prerequisite: ITAL 101 or permission of department. Continuation of study of basic grammar, written and oral work, with increased emphasis on spoken Italian.
0201 (11163) Falvo, J. M/WTh 9:00am-11:15am (JMZ 1274)

ITAL271 The Italian-American Experience (in English)
(3) REG/P-F/AUD.
CORE: Humanities (HD)
0201 (11173) Falvo, J. MW 6:00pm-9:20pm (JMZ 1215)

ITAL399 Directed Study in Italian
(1-3) S-F.
0201 (11184) STAFF Time and room to be arranged

ITAL499R Special Topics in Italian Studies: Italian for Research
(3) REG/P-F/AUD.
0201 (11194) Manfredi, M. MWTh 6:00pm-8:15pm (JMZ 3118)

Introduction to reading techniques, practicum in reading comprehension. No knowledge of Italian required.

IVSP Individual Studies Program

(UNDERGRADUATE STUDIES)

IVSP317 Progress Report
(1) S-F.
Individual instruction course: contact department or instructor to obtain section number. Prerequisite: admission to IVSP major. A written analysis of the program. Students register for IVSP 317 only once, the semester before the final term.

IVSP318 Independent Learning Activities: Individual Studies (PermReq)
(1-6) REG.
Individual instruction course: contact department or instructor to obtain section number. IVSP majors only

IVSP420 Senior Paper (PermReq)
(3) REG.
Individual instruction course: contact department or instructor to obtain section number. Prerequisite: admission to IVSP major. For IVSP majors only. Synthesizing final paper or a final special project.

JAPN Japanese

(ARTS AND HUMANITIES)

JAPN102 Elementary Japanese II
(6) REG/P-F/AUD.
Prerequisite: JAPN 101 or equivalent. Continued introduction to the basic spoken patterns of contemporary Japanese.
0201 (11309) STAFF M/WThF 9:30am-12:20pm (JMZ 2206)

JAPN202 Intermediate Japanese II
(6) REG/P-F/AUD.
Prerequisite: JAPN 201 or equivalent. Formerly JAPN 206. Contemporary spoken and written Japanese.
0201 (11329) STAFF M/WThF 9:30am-12:20pm (JMZ 0202)

JOUR Journalism

(JOURNALISM)

JOUR398 Independent Study
(1-3) REG.
Individual instruction course: contact department or instructor to obtain section number. Contact department to make arrangements. Consult in JRN 1118 for section and MARS code corresponding to faculty member.

JOUR400 Law of Mass Communication
(3) REG.
Junior standing. Legal rights and constraints of mass media; libel, privacy, copyright, monopoly, contempt, and other aspects of the law applied to mass communication. Previous study of the law not required.
0201 (11503) STAFF MW 4:00pm-7:00pm (JRN 1116)
0202 (11504) Rush, T. MW 4:00pm-7:00pm (JRN 1116)
Graduate and advanced special students must register for section 0202.

JOURS02 Reporting for Graduate Students
(3) REG/AUD.
Prerequisite: JOUR 501 or permission of department. Intensive training in basic public affairs journalism for graduate students with limited training or experience. Not applicable for degree credit.
0201 (11564) Crane, S. M/WThF 9:00am-10:40am (JRN 3102)

JOUR698 Special Problems in Communication
(1-3) REG/AUD.
Individual instruction course: contact department or instructor to obtain section number.
Consult in JRN 1118 for section and MARS code corresponding to faculty member

JOUR798 Masters Professional Fieldwork
(2-6) REG/AUD.
Individual instruction course: contact department or instructor to obtain section number.
Consult in JRN 1118 for section and MARS code corresponding to faculty member.

JOUR799 Master's Thesis Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.
Consult in JRN 1118 for section corresponding to faculty member.

JOUR888 Doctoral Practicum in Mass Communication (3-9) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.
Consult in JRN 1118 for section and MARS code corresponding to faculty member.

JOUR889 Doctoral Tutorial in Mass Communication (3-9) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.
Consult in JRN 1118 for section and MARS code corresponding to faculty member.

JOUR899 Doctoral Dissertation Research in Mass Communication (1-8) REG/S-F.

Individual instruction course: contact department or instructor to obtain section number.
Consult in JRN 1118 for section and MARS code corresponding to faculty member.

JWST Jewish Studies

(ARTS AND HUMANITIES)

JWST499W Independent Study in Jewish Studies (PermReq) (1-3) REG/P-F/AUD.

0201 (11886) Holm, K. Time and room to be arranged
This course is only available in Israel.

KNES Kinesiology

(HEALTH AND HUMAN PERFORMANCE)

KNES137N Physical Education Activities: Coed: Golf (Beginning) (1) REG/P-F.

0201 (11937) Peterson, F. MtuWTh 9:30am-10:50am (GLF 1102)

Students must pay a \$25 golf facility fee directly to pro shop.

KNES154N Physical Education Activities: Coed: Swimming (Beginning) (1) REG/P-F.

0201 (11958) Liton, C. MtuWTh 1:00pm-2:20pm (CRC 80120)

KNES155N Physical Education Activities: Coed: Tennis (Beginning) (1) REG/P-F.

0201 (11971) Peterson, F. MtuWTh 11:00am-12:20pm (COL 1100)

KNES155O Physical Education Activities: Coed: Tennis (Intermediate) (1) REG/P-F.

0201 (11984) Peterson, F. MtuWTh 11:00am-12:20pm (COL 1100)

KNES157N Physical Education Activities: Coed: Weight Training (Beginning) (1) REG/P-F.

0201 (11995) Catina, P. MtuWTh 8:00am-9:20am (HHP 0103)

KNES157O Physical Education Activities: Coed: Weight Training (Intermediate) (1) REG/P-F.

0201 (12006) Catina, P. MtuWTh 8:00am-9:20am (HHP 0103)

KNES262 Philosophy of Sport (3) REG/P-F/AUD.

CORE: Humanities (HO) Not open to students who have completed KNES 362. Credit will be granted for only one of the following: KNES 262 or KNES 362. Formerly KNES 362. Form and content of the philosophy of sport. The basis of knowledge in and about sport, the structure and themes of the discipline, the ontological and moral implications and dilemmas involving sport, and the interactions between philosophy and the scientific and humanistic aspects of sport.

0201 (12016) Swanson, L. TuTh 1:00pm-4:20pm (HHP 1302)

KNES289 Topical Investigations (PermReq) (1-3) REG.

Individual instruction course: contact department or instructor to obtain section number.

KNES350 The Psychology of Sports (3) REG/P-F/AUD.

Formerly PHED 350. An exploration of the personality factors, including, but not limited to, motivation, aggression and emotion, as they affect sports participation and motor skill performance.

0201 (12067) Huffield, B. TuTh 4:30pm-7:50pm (HHP 0302)

KNES360 Physiology of Exercise (3) REG/P-F/AUD.

Prerequisite: Z00L 201, and Z00L 202, or permission of department. Formerly PHED 360. A study of the physiology of exercise, including concepts of work, muscular contraction, energy transformation, metabolism, oxygen debt, and nutrition and athletic performance. Emphasis on cardiovascular and respiratory function in relation to physical activity and training.

0201 (12077) Brown, M. MWF 9:30am-11:30am (HHP 2132)

TuTh 9:30am-11:30am (HHP 2132) Lab

MWF 9:30am-11:30am (HHP 2132)

TuTh 12:00pm-2:00pm (HHP 2132) Lab

KNES389 Topical Investigations (PermReq) (1-3) REG.

Individual instruction course: contact department or instructor to obtain section number.

KNES455 Scientific Bases of Athletic Conditioning (3) REG/P-F/AUD.

Prerequisite: KNES 360. Formerly PHED 455. An examination of physical fitness/athletic conditioning programs stressing the practical application of exercise physiology theory for enhancing athletic performance. Cardiovascular considerations, strength and power development, nutrition, speed, muscular endurance, environmental considerations and ergogenic aids.

0201 (12106) Huffield, B. MW 4:30pm-7:50pm (HHP 2132)

KNES498 Special Topics in Kinesiology (3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

KNES689 Special Problems in Kinesiology (PermReq) (1-3) REG.

Individual instruction course: contact department or instructor to obtain section number.

KNES799 Master's Thesis Research (PermReq) (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

KNES899 Doctoral Dissertation Research (PermReq) (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

LARC Landscape Architecture

(AGRICULTURE AND NATURAL RESOURCES)

LARC489K Special Topics in Landscape Architecture: English Landscape and Country House (3) REG/P-F/AUD.

02AK (12197) Sullivan, J. Meets 07/12/99-08/20/99 Time and room to be arranged

LARC499 Independent Studies in Landscape Architecture (1-4) REG/P-F/AUD.

0201 (12208) STAFF Time and room to be arranged

LATN Latin

(ARTS AND HUMANITIES)

LAIN220 Intermediate Intensive Latin (PermReq) (4) REG/P-F/AUD.

Prerequisite: LATIN 102, or LATIN 120, or equivalent. Not open to students with credit for LATIN 204. Review of Latin grammar, reading in prose and poetry from selected authors.

0201 (12268) Meier, J. MtuWThF 9:30am-11:00am (PLS 1184)

Students are advised to pick up course information before registering for the course.

LAIN499 Independent Study in Latin Language and Literature (PermReq) (3) REG/P-F/AUD.

0201 (12279) Hellett, J. Time and room to be arranged

LAIN699 Independent Studies in Latin Literature (PermReq) (1-3) REG/AUD.

0201 (12290) Hellett, J. Time and room to be arranged

LBSC Library Science

(LIBRARY AND INFORMATION SERVICES)

LBSC601 Information Use (PermReq) (3) REG/AUD.

Prerequisite: permission of department. Nature and use of information and knowledge; model of information/knowledge cycle; information transfer systems in society; structure and functions of information systems. Information users and their needs. Methods of inquiry and problem-solving.

0201 (12340) Barlow, D. Meets 07/12/99-08/20/99 MW 9:30am-12:45pm (HBK 0115)

LBSC69D Information Technology (PermReq) (3) REG/AUD.

Prerequisite: permission of department. Principles of information processing systems; algorithms, data structures and information retrieval techniques; system specification and implementation tools, applications; influences on problem solving; technology as process.

0201 (12371) STAFF Meets 07/12/99-08/20/99 MW 5:30pm-8:45pm (HBK 0103)

LBSC07 Field Study in Library Service (PermReq) (3) REG/AUD.

Prerequisites: all core courses and permission of both department and instructor Unpaid, supervised experience within library operations and/or the opportunity to perform a study to solve a specific problem in a suitable library or other information agency

0201 (12381) Wilson, W. Meets 07/12/99-08/20/99 Th 3:30pm-5:00pm (HBK 4115)

LBSC08V Special Topics in Library and Information Service: Information Retrieval and Resource Discovery on the Internet (PermReq) (3) REG/AUD.

0201 (12451) Seagel, D. Meets 07/12/99-08/20/99 TuTh 9:30am-12:15pm (HBK 0103)

Class will meet one extra session 16A.

LBSC08W Special Topics in Library and Information Service: Managing Cultural Institutions (PermReq) (3) REG/AUD.

0201 (12461) Kurtz, M. Meets 07/12/99-08/20/99 MW 5:30pm-8:45pm (HBK 4113)

LBSC709 Independent Study (PermReq) (1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

LBSC737 Seminar in the Special Library and Information Center (PermReq) (3) REG/AUD.

Prerequisites: permission of department; and LBSC 630 or permission of instructor. Role of special libraries and information centers in the information transfer process. Analysis of the information transfer system; information needs and uses; management of special libraries and information centers; and types, such as governmental or industrial libraries, archives, and information analysis centers.

0201 (12473) Abels, E. Meets 07/12/99-08/20/99 TuWTh 10:00am-12:30pm (HBK 0109)

LBSC745 Storytelling Materials and Techniques (PermReq) (3) REG/AUD.

Prerequisite: permission of department. Literary sources and instruction and practice in oral techniques.

0201 (12493) Sheldon, A. Meets 07/12/99-08/20/99 MW 9:30am-12:15pm (HBK 0105)

LBSC794 Principles of Software Evaluation (PermReq) (3) REG/AUD.

Prerequisites: LBSC 690 and permission of department. Human factors and other criteria for evaluating software for instructional, library, and information applications. Systematic procedures for evaluating and selecting appropriate packages.

0201 (12513) Seagel, D. Meets 07/12/99-08/20/99 TuTh 8:00pm-8:45pm (HBK 0103)

Class will meet one extra session 16A.

LBSC899 Doctoral Dissertation Research (PermReq) (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

SESSION II

LING Linguistics

(ARTS AND HUMANITIES)

LING240 Language and Mind (3) REG/P-F/AUD

CORE: Humanities (HD) The study of language as a cognitive phenomenon. Ways of representing people's knowledge of their native language, ways in which that knowledge is obtained naturally by children, and how it is used in speaking and listening. Relevant philosophical literature. Relationship to study of other cognitive abilities: reasoning, perception, sensory-motor development.

0201 (12584) Thorton, R M TuWThF 9:30am-10:50am (MAH 0108)

LING499 Directed Studies in Linguistics (PermReq) (3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

LING689 Independent Study (1-3) REG/AUD.

0201 (12597) STAFF Time and room to be arranged

LING698 Directed Study (PermReq) (3) REG.

Individual instruction course: contact department or instructor to obtain section number.

LING798 Research Papers in Linguistics (1-6) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

LING799 Master's Thesis Research (PermReq) (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

LING889 Directed Research (PermReq) (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

LING895 Doctoral Research Paper (PermReq) (6) REG

0201 (12616) STAFF Time and room to be arranged

LING899 Doctoral Dissertation Research (PermReq) (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

MAPL Applied Mathematics

(COMPUTER, MATHEMATICAL AND PHYSICAL SCIENCES)

MAPL698A Advanced Topics in Applied Mathematics (1-4) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

MAPL799 Master's Thesis Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

MAPL899 Doctoral Dissertation Research (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

MATH Mathematics

(COMPUTER, MATHEMATICAL AND PHYSICAL SCIENCES)

MATH001 Review of High School Algebra (3) REG/P-F/AUD.

Recommended for students who plan to take MATH 110 or MATH 002 but are not currently qualified to do so. Special fee required in addition to the regular tuition charge for fall and spring semesters. This course does not carry credit towards any degree at the University. Provides students with the foundation in intermediate algebra that is necessary for the study of the first college level math course, MATH 110. Topics include a review of the operations on real numbers, linear equations in one or two variables, systems of linear equations, linear inequalities, operations on polynomials, factoring, applications and solutions of quadratic equations.

0202 (12744) STAFF M TuWThF 9:30am-10:50am (MTH 0411)

Students registering for MATH 001 who experience math anxiety or feel deficient in math study skills should refer to SUNM 003, Building Math Self-Confidence.

MATH001S Review of High School Algebra (3) REG/P-F/AUD.

Recommended for students who plan to take MATH 110 or MATH 002 but are not currently qualified to do so. Special fee required in addition to the regular tuition charge for fall and spring semesters. This course does not carry credit towards any degree at the University.

0201 (12755) STAFF Meets 08/09/9908/20/99 M TuWThF 8:00am-3:30pm (MTH 0201)

MATH002 Advanced Review of High School Algebra (3) REG/P-F/AUD.

Recommended for students who plan to take but who are not currently qualified for MATH 115. Prerequisite: a satisfactory score on the mathematics placement exam or MATH 001 or MATH 001L. Special fee required in addition to the regular tuition charge for fall and spring semesters. This course does not carry credit towards any degree at the University. Review of high school algebra at a faster pace and at a more advanced level than MATH 001. Exponents, polynomials, linear equations in one and two variables, quadratic equations, and polynomial, rational, exponential and logarithmic functions.

0203 (12768) STAFF M TuWThF 11:00am-12:20pm (MTH 1313)

For those students experiencing math anxiety or who feel deficient in math study skills, refer to the special programs section, SUNM 003

MATH110 Elementary Mathematical Models (3) REG/P-F/AUD.

Prerequisite: permission of department based on satisfactory score on the mathematics placement exam, or MATH 001 with a grade of C or better, or MATH 002. Not open to students majoring in mathematics, engineering, business, life sciences, and the physical sciences. Not open to students who have completed MATH 140, MATH 220, or any MATH or STAT course for which MATH 140 or MATH 220 is a prerequisite. Credit will be granted for only one of the following: MATH 110 or MATH 113. Topics include simple and compound interest; recursion for computing balances; installment loans and amortization, approximating data by linear models; analysis of applications to real-world collections of data; probability; conditional probability; independence; expected value; graphing and analysis of systems of inequalities; linear programming and applications. MATH 110 is not open to students in the Engineering and Computer, Mathematical, and Physical Sciences Colleges.

0201 (12792) STAFF M TuWThF 8:00am-9:20am (MTH 0411)

0203 (12793) STAFF M TuWThF 11:00am-12:20pm (MTH 80427)

MATH111 Introduction to Probability (3) REG/P-F/AUD.

CORE: Mathematics or Formal Reasoning (MS) *Prerequisite: permission of department based on satisfactory score on the mathematics placement exam, or MATH 110, or MATH 002 with a grade of C or better. Not open to students majoring in mathematics, engineering or the physical sciences. Not open to students who have completed STAT 100 or any MATH or STAT course with a prerequisite of MATH 141. Credit will be granted for only one of the following: MATH 111 or STAT 100. Logic, Boolean algebra, counting, probability, random variables, expectation applications of the normal probability distribution.*

0202 (12808) STAFF M TuWThF 9:30am-10:50am (MTH 80421)

MATH113 College Algebra with Applications (3) REG/P-F/AUD.

Prerequisite: permission of department based on satisfactory score on the mathematics placement exam, or MATH 002. Not open to students who have completed MATH 140 or MATH 220 or any course for which MATH 140 or MATH 220 is a prerequisite. Credit will be granted for only one of the following: (MATH 110 or MATH 113), or (MATH 113 or MATH 115). Graphs and applications of elementary functions including polynomial, rational, exponential and logarithmic functions; Systems of linear equations and linear inequalities used to solve representative problems in linear programming. Matrices and matrix operations including inverse. Sequences.

0201 (12822) STAFF M TuWThF 8:00am-9:20am (MTH 1313)

0203 (12823) STAFF M TuWThF 11:00am-12:20pm (MTH 1308)

MATH115 Precalculus (3) REG/P-F/AUD.

Prerequisite: permission of department based on satisfactory score on the mathematics placement exam, or MATH 002 with a grade of B or better, or MATH 113. Not open to students who have completed MATH 140 or any MATH or STAT course for which MATH 140 is a prerequisite. Credit will be granted for only one of the following: MATH 113 or MATH 115. Preparation for MATH 220 or MATH 140. Elementary functions and graphs: polynomials, rational functions, exponential and logarithmic functions, trigonometric functions. Algebraic techniques preparatory for calculus.

0201 (12838) STAFF M TuWThF 8:00am-9:20am (MTH 0307)

0202 (12839) STAFF M TuWThF 9:30am-10:50am (MTH 0307)

MATH220 Elementary Calculus I (3) REG/P-F/AUD.

CORE: Mathematics or Formal Reasoning (MS) *Prerequisite: permission of department based on 3 1/2 years of college preparatory mathematics (including trigonometry) and satisfactory performance on the mathematics placement exam, or MATH 113, or MATH 115. Not open to students majoring in mathematics, engineering or the physical sciences. Credit will be granted for only one of the following: MATH 140 or MATH 220. Basic ideas of differential and integral calculus, with emphasis on elementary techniques of differentiation and applications.*

0201 (12912) STAFF M TuWThF 8:00am-9:20am (MTH 0306)

0202 (12913) STAFF M TuWThF 9:30am-10:50am (MTH 0306)

0203 (12914) STAFF M TuWThF 11:00am-12:20pm (MTH 0306)

MATH221 Elementary Calculus II (3) REG/P-F/AUD.

CORE: Mathematics or Formal Reasoning (MS) *Prerequisite: MATH 220, or MATH 140, or equivalent. Not open to students majoring in mathematics, engineering or the physical sciences. Credit will be granted for only one of the following: MATH 141 or MATH 221. Differential and integral calculus, with emphasis on elementary techniques of integration and applications.*

0201 (12926) STAFF M TuWThF 8:00am-9:20am (MTH 80421)

MATH246 Differential Equations for Scientists and Engineers (3) REG/P-F/AUD.

Prerequisite: MATH 141 or equivalent. An introduction to the basic methods of solving ordinary differential equations. Equations of first and second order; linear differential equations; Laplace transforms, numerical methods, and the qualitative theory of differential equations.

0202 (12961) STAFF M TuWThF 9:30am-10:50am (MTH 0105)

0203 (12962) STAFF M TuWThF 11:00am-12:20pm (MTH 0105)

MATH406 Introduction to Number Theory (3) REG/P-F/AUD.

Prerequisite: MATH 141 or permission of department. Integers, divisibility, prime numbers, unique factorization, congruences, quadratic reciprocity, Diophantine equations and arithmetic functions.

0203 (12982) STAFF M TuWThF 11:00am-12:20pm (MTH 0411)

MATH461 Linear Algebra for Scientists and Engineers (3) REG/P-F/AUD.

Prerequisites: MATH 141 and one MATH/STAT course for which MATH 141 is a prerequisite. This course cannot be used toward the upper level math requirements for MATH/STAT majors. Credit will be granted for only one of the following: MATH 240, MATH 400 or MATH 461. Basic concepts of linear algebra. This course is similar to MATH 240, but with more extensive coverage of the topics needed in applied linear algebra: change of basis, complex eigenvalues, diagonalization, the Jordan canonical form.

0201 (13014) STAFF M TuWThF 8:00am-9:20am (MTH 1308)

MATH463 Complex Variables for Scientists and Engineers (3) REG/P-F/AUD.

Prerequisite: MATH 241 or equivalent. The algebra of complex numbers, analytic functions, mapping properties of the elementary functions. Cauchy integral formula. Theory of residues and application to evaluation of integrals. Conformal mapping.

0203 (13034) STAFF M TuWThF 11:00am-12:20pm (MTH 1311)

MATH498A Selected Topics in Mathematics (1-9) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

MATH648A Selected Topics in Analysis (1-3) REG/AUD.

0201 (13047) STAFF Time and room to be arranged

MATH668A Selected Topics in Complex Analysis (1-3) REG/AUD.

0201 (13058) STAFF Time and room to be arranged

MATH718A Selected Topics in Mathematical Logic (1-3) REG/AUD.

0201 (13069) STAFF Time and room to be arranged

MATH748A Selected Topics in Geometry and Topology (1-3) REG/AUD.

0201 (13080) STAFF Time and room to be arranged

MATH799 Master's Thesis Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

MATH899 Doctoral Dissertation Research (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

MEES Marine-Estuarine-Environmental Sciences

(LIFE SCIENCES)

MEES608F Seminar in Marine-Estuarine-Environmental Sciences: Theories of Science/Values in Science II (1) REG.

0201 (13153) Tenore, K. W 8:30am-10:00am (Arranged)

Corequisite: MEES 608E

MEES699 Special Problems in Marine-Estuarine-Environmental Sciences (1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

MEES799 Masters Thesis Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

MEES899 Doctoral Dissertation Research (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

METO Meteorology

(COMPUTER, MATHEMATICAL AND PHYSICAL SCIENCES)

MET0499 Special Problems in Atmospheric Science (1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

MET0798 Directed Graduate Research (1-3) S-F.

Individual instruction course: contact department or instructor to obtain section number.

MET0899 Doctoral Dissertation Research (1-8) S-F.

Individual instruction course: contact department or instructor to obtain section number.

MICB Microbiology

(LIFE SCIENCES)

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

MIC8379 Honors Research (2-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

MIC8388 Special Topics in Microbiology (1-4) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

MIC8399 Microbiological Problems (3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

MIC8688 Special Topics (1-4) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

MIC8799 Master's Thesis Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

MIC8899 Doctoral Dissertation Research (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

MOCB Molecular and Cell Biology

(LIFE SCIENCES)

MOC8699 Laboratory Rotation (2-3) S-F.

0201 (13407) STAFF Time and room to be arranged

MOC8899 Doctoral Dissertation Research (1-8) S-F.

Individual instruction course: contact department or instructor to obtain section number.

MUSC School of Music

(ARTS AND HUMANITIES)

MUSC140 Music Fundamentals I (3) REG/P-F/AUD.

CORE History or Theory of Arts (HA) Limited to non-music majors Introductory theory course. Notation, scales, intervals, triads, rhythm, form, and basic vocal skills.

0201 (13560) STAFF MtuWTh 11:00am-12:40pm (TWS 2102)

0202 (13561) STAFF MtuWTh 1:00pm-2:40pm (TWS 2135)

MUSC210 The Impact of Music on Life (3) REG/P-F/AUD.

CORE History or Theory of Arts (HA) DIVERSITY Music as a part of culture. Materials drawn from traditions throughout the globe to illustrate issues of historical and contemporary significance, including the impact of race, class and gender on the study of music.

0201 (13583) STAFF MtuWThF 11:00am-12:00pm (TWS 2123)

0202 (13584) STAFF MtuWThF 12:30pm-1:50pm (TWS 2123)

MUSC388 Music Internship (PermReq) (3) REG.

Individual instruction course: contact department or instructor to obtain section number.

MUSC389 Music Internship Analysis (PermReq) (1) REG.

Individual instruction course: contact department or instructor to obtain section number.

MUSC448 Selected Topics in Music (PermReq) (1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

MUSC499 Independent Studies (PermReq) (2-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

MUSC699 Selected Topics in Music (1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

MUSC799 Master's Thesis Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

MUSC899 Doctoral Dissertation Research (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

NFSC Nutrition and Food Science

(AGRICULTURE AND NATURAL RESOURCES)

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

NFSC100 Elements of Nutrition (3) REG/P-F/AUD.

CORE Life Science (LS) Formerly NUTR 100 Fundamentals of human nutrition. Nutrient requirements related to changing individual and family needs.

0201 (13699) STAFF MWF 9:30am-10:50am (MMH 1400)

TuTh 9:30am-10:50am (MMH 1400) Dis

MWF 9:30am-10:50am (MMH 1400)

MW 11:00am-12:20pm (MMH 3418) Dis

NFSC315 Nutrition During the Lifecycle (3) REG/P-F/AUD.

Prerequisite: NFSC 100 or NFSC 200. Formerly NUTR 315 A study of how development throughout life, including prenatal development, pregnancy, lactation, adolescence and aging, alter nutrient requirements; students will apply this knowledge to the dietary needs and food choices of these different groups.

0201 (13710) Jackson, R MWF 9:30am-11:00am (SQH 2117)

NFSC399 Special Problems in Food Science (PermReq) (1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

NFSC468 Practicum in Nutrition (1-6) S-F.

0201 (13733) Curtis, S Time and room to be arranged

NFSC490 Special Problems in Nutrition (PermReq) (2-3) REG/P-F/AUD.

Prerequisites: NFSC 440 and permission of department. Formerly NUTR 490 Individual selected problems in the area of human nutrition.

0201 (13744) STAFF Time and room to be arranged

NFSC678A Selected Topics in Nutrition (PermReq) (1-6) REG/AUD.

0201 (13755) STAFF Time and room to be arranged

NFSC699 Problems in Nutrition and Food Science (PermReq) (1-4) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

NFSC799 Master's Thesis Research (PermReq) (1-6) REG/S-F.

Individual instruction course: contact department or instructor to obtain section number.

NFSC899 Doctoral Dissertation Research (PermReq) (1-8) REG/S-F.

Individual instruction course: contact department or instructor to obtain section number.

NRMT Natural Resources Management

(AGRICULTURE AND NATURAL RESOURCES)

NRMT489 Field Experience (PermReq) (1-4) REG/P-F/AUD.

0201 (13831) Kangas, P Time and room to be arranged

PBIO Plant Biology

(LIFE SCIENCES)

PBIO399 Research Problems in Plant Biology (PermReq) (1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

PBIO699 Special Problems in Plant Biology (PermReq) (1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

PBIO799 Master's Thesis Research (PermReq) (1-6) REG/S-F.

Individual instruction course: contact department or instructor to obtain section number.

PBIO899 Doctoral Dissertation Research (PermReq) (1-8) REG/S-F.

Individual instruction course: contact department or instructor to obtain section number.

PHIL Philosophy

(ARTS AND HUMANITIES)

PHIL100 Introduction to Philosophy (3) REG/P-F/AUD.

CORE Humanities (HO) An introduction to the literature, problems, and methods of philosophy either through a study of some of the main figures in philosophy thought or through an examination of some of the central and recurring problems of philosophy.

0201 (13969) Odell, S MtuWThF 11:30am-12:50pm (SKN 1112)

PHIL140 Contemporary Moral Issues (3) REG/P-F/AUD.

CORE Humanities (HO) The uses of philosophical analysis in thinking clearly about such widely debated moral issues as abortion, euthanasia, homosexuality, pornography, reverse discrimination, the death penalty, business ethics, sexual equality, and economic justice.

0201 (13980) Odell, S MtuWThF 1:00pm-2:20pm (SKN 1112)

PHIL170 Introduction to Logic (3) REG/P-F/AUD.

CORE Mathematics or Formal Reasoning (MS) Development of analytical reasoning skills through study of formal logics, reasoning systems, and fallacious inference patterns.

0201 (13990) Robin, A MtuWThF 10:00am-11:20am (SKN 1115)

the analysis of scarcity, theories of social change, current trends, social movements, government actions, and the future literature.

0201 (14894) Finsterbusch, K. TuTh 9:00am-12:20pm
(COL 3111)

SO CY325 The Sociology of Gender (3) REG/P-F/AUD.

DIVERSITY Prerequisite: 3 credits of sociology. Also offered as WMST 325. Credit will be granted for only one of the following: SOCY 325 or WMST 325. Institutional bases of gender roles and gender inequality, cultural perspectives on gender, gender socialization, feminism, and genderrole change. Emphasis on contemporary American society.

0201 (14905) STAFF MW 1:00pm-4:20pm
(ASY 2309)

SO CY380 Honors Independent Reading in Sociology (3) REG/P-F.

Prerequisite: permission of department. Formerly SOCY 378. This course permits sociology honors students to undertake a program or reading on a particular problem in sociology or a subfield therein. The reading will be done under the supervision of a member of the sociology faculty. Required of sociology honors students.

0201 (14916) STAFF Time and room to be arranged

SO CY381 Honors Independent Research in Sociology (3) REG/P-F.

Prerequisite: SOCY 380. Formerly SOCY 388. This course permits sociology students to define a particular problem in sociology or a subfield therein and to develop a research plan for use as a thesis topic. The work will be done under the supervision of a member of the sociology faculty.

0201 (14927) STAFF Time and room to be arranged

SO CY383 Honors Thesis Research (3) REG/P-F.

Prerequisite: SOCY 381. Formerly SOCY 389. Student research under the direction of a member of the sociology faculty, culminating in the presentation and defense of a thesis reporting the research.

0201 (14938) STAFF Time and room to be arranged

SO CY386 Experiential Learning (PermReq) (3-6) REG/P-F.

Individual instruction course: contact department or instructor to obtain section number. Prerequisite: permission of department. 56 semester hours.

SO CY399 Independent Study in Sociology (PermReq) (1-6) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

SO CY427 Deviant Behavior (3) REG/P-F/AUD.

Prerequisite: 6 credits of sociology or permission of department. Current theories of the genesis and distribution of deviant behavior, and their implications for a general theory of deviant behavior. Definitions of deviance, labeling theory, secondary deviance.

0201 (14962) STAFF MW 9:00am-12:20pm
(ASY 1213)

SO CY443 The Family and Society (3) REG/P-F/AUD.

Prerequisite: 6 credits of sociology or permission of department. Study of the family as a social institution; its biological and cultural foundations, historic development, changing structures, and functions, the interaction of marriage and parenthood, disorganizing and reorganizing factors in present day trends.

0201 (14982) Landry, L. TuTh 1:00pm-4:20pm
(ASY 1213)

SO CY498 Selected Topics in Sociology: Sociology of Popular Culture (3) REG/P-F/AUD.

0201 (14992) STAFF TuWTh 6:00pm-8:15pm
(ASY 1213)

Movies, talk shows, grunge, jokes, billboards, video games, romance novels, sports, malls and tattoos are all social phenomena, and therefore, subject to sociological analysis. The class will use a mix of theories from Marxism to postmodern approaches to investigate popular culture.

SO CY699 Special Social Problems (1-16) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

SO CY799 Master's Thesis Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

SO CY899 Doctoral Dissertation Research (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

SPAN Spanish

(ARTS AND HUMANITIES)

The language of instruction in all courses is Spanish unless otherwise noted.

SPAN10 Elementary Spanish I (4) REG/P-F/AUD.

Prerequisite: No previous Spanish; high school level 1 Spanish with grade of A or B; high school level 2 Spanish with a grade of C or below. Not open to native/fluent speakers of Spanish. Introduction to the functions and structures of the Spanish language, with emphasis on the four skills of listening, speaking, reading and writing.

0201 (15058) Ramon, C. MiWTh 9:30am-11:45am
(JMZ 0125)

SPAN102 Elementary Spanish II (4) REG/P-F/AUD.

Prerequisite: SPAN 101 or UMCP or equivalent. Not open to native/fluent speakers of Spanish. Further study of the functions and structures of the Spanish language, with emphasis on the four skills of listening, speaking, reading and writing.

0201 (15069) Pavia, R. MiWTh 9:30am-11:45am
(JMZ 2207)

SPAN20 Intermediate Spanish (4) REG/P-F/AUD.

CORE: Humanities (HO) Prerequisite: SPAN 102 or SPAN 103 at UMCP or high school level 3 Spanish with a grade of A or B or high school level 4 Spanish with a C or below. Not open to native/fluent speakers of Spanish. Formerly SPAN 203. Continued development of the functions and structures of the Spanish language with emphasis on the four skills of listening, speaking, reading, and writing.

0201 (15108) Huntington, T. MiWTh 9:30am-11:45am
(JMZ 0120)

0202 (15081) Eniguel, A. TuWTh 6:00pm-9:00pm
(JMZ 0103)

SPAN301 Advanced Grammar and Composition I (3) REG/P-F/AUD.

Prerequisite: SPAN 202. Recommended: SPAN 207. Practice of complex grammatical structures through reading and writing of compositions and essays. Specific lexical, syntactic, rhetorical, and stylistic devices will be highlighted.

0201 (15111) Ramero, D. TuTh 6:00pm-9:15pm
(JMZ 3205)

SPAN312 Advanced Conversation II (3) REG/P-F/AUD.

Prerequisites: SPAN 202 and SPAN 211 or SPAN 311 or permission of department. Not open to native/fluent speakers of Spanish. Continued mastery of listening and speaking skills in Spanish. Opportunity to develop oral fluency, improve pronunciation, and increase vocabulary. Emphasis on colloquial and technical language as well as development of linguistic accuracy. Individual and/or group oral presentation.

0201 (15133) Ramon, C. TuTh 6:00pm-9:15pm
(JMZ 2206)

SPAN399 Independent Study in Spanish (1-3) REG/P-F/AUD.

Individual instruction course: contact department or instructor to obtain section number.

SPAN409 Great Themes of the Hispanic Literatures: Novela y cine en Latinoamerica (3) REG/P-F/AUD.

0201 (15196) Aguilar-Mora, J. MW 6:00pm-9:15pm
(JMZ 1224)

SPAN448 Special Topics in Latin American Civilization: Rebelion y revolucion del siglo XX en Mexico (3) REG/P-F/AUD.

0201 (15216) Aguilar-Mora, J. TuTh 6:00pm-9:15pm
(JMZ 1226)

SPAN448B Special Topics in Latin American Civilization: Human Rights and Democratization in Latin America (3) REG/P-F/AUD.

0201 (15226) Kaufman, E. TuTh 2:00pm-5:20pm
(YU 0117)

SPAN699 Independent Study in Spanish (1-3) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

SPAN798 Open Seminar: Unlocking the Latin American Mosaic: Voices and Texts. This course is designed for educators (3) REG/AUD.

0201 (15249) Szonowski, S. Meets 07/21/99-01/30/99. MiWThF 8:30am-1:30pm
(JMZ 3205)

This course is specially designed for educators.

SPAN799 Master's Thesis Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

SPAN899 Doctoral Dissertation Research (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

STAT Statistics and Probability

(COMPUTER, MATHEMATICAL AND PHYSICAL SCIENCES)

STAT100 Elementary Statistics and Probability (3) REG/P-F/AUD.

CORE: Mathematics or Formal Reasoning (MS) Prerequisite: permission of Math Department based on satisfactory score on Math placement exam or MATH 110 or MATH 115. Not open to students who have completed MATH 111 or any MATH or STAT course with a prerequisite of MATH 141. Credit will be granted for only one of the following: MATH 111 or STAT 100. Simplest tests of statistical hypotheses; applications to before-and-after and matched pair studies. Events, probability, combinations, independence. Binomial probabilities, confidence limits. Random variables, expected values, median, variance. Tests based on ranks. Law of large numbers, normal approximation. Estimates of mean and variance.

0202 (15314) STAFF MiWThF 9:30am-10:50am
(MTH 0101)

STAT400 Applied Probability and Statistics I (3) REG/P-F/AUD.

Prerequisite: MATH 141. Not acceptable toward graduate degrees in STAT, MAPL, or MATH. Credit will be granted for only one of the following: STAT 400 or ENEE 324. Random variables, standard distributions, moments, law of large numbers and central limit theorem. Sampling methods, estimation of parameters, testing of hypotheses.

0203 (15326) STAFF MiWThF 11:00am-12:20pm
(MTH 80421)

STAT98A Selected Topics in Statistics (1-4) REG/AUD.

0201 (15338) STAFF Time and room to be arranged

STAT999 Master's Thesis Research (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

STAT899 Doctoral Dissertation Research (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

THET Theatre

(ARTS AND HUMANITIES)

THET110 Introduction to the Theatre (3) REG/P-F/AUD.

CORE: History or Theory of Arts (HA) Introduction to the people of the theatre, actors, directors, designers and backstage personnel. The one and characteristics of a play script, theatrical forms and styles, and theatre history.

0201 (15562) Anthony, M. MiWThF 11:00am-12:00pm
(TWS 0147)

THET386 Experiential Learning (PermReq) (3-6) REG/P-F.

Individual instruction course: contact department or instructor to obtain section number. Prerequisite: permission of department. 56 semester hours.

THET479 Theater Workshop (PermReq) (1-3) REG/P-F/AUD.

0201 (15584) Xiebo, O Time and room to be arranged

THET499 Independent Study (PermReq) (3) REG.

Individual instruction course: contact department or instructor to obtain section number.

THET499P Independent Study: Puppetry Workshop (3) REG/P-F/AUD.

0201 (15596) Carter, M. TuTh 9:00am-12:00pm
(TWS 2230)

THET789 Master's Practicum (PermReq) (1-6) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

THET799 Master's Thesis Research (PermReq) (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

THET899 Doctoral Dissertation Research (1-8) REG/AUD.

Individual instruction course: contact department or instructor to obtain section number.

SESSION II

URSP Urban Studies and Planning

(ARCHITECTURE)

URSP399 Independent Study (PermReq) (1-3) REG/P-F/AUD

Individual instruction course: contact department or instructor to obtain section number.

URSP681 Urban Planning Law * (3) REG/AUD

Credit will be granted for only one of the following: URSP 681, URBS 450, or URBS 681. Formerly URBS 681. Survey of the urban legal environment. Issues of planning, zoning, eminent domain, land use controls, housing codes, historic preservation and related tax provisions.

0201 (15769) Kanina, S MW 7:00pm-9:30pm
(ARC 1121)

URSP688C Recent Developments in Urban Studies: Smart Growth: Case Study of Local Growth Management Practice in Maryland (3) REG/AUD

0201 (15779) Cohen, J. ThF 4:00pm-6:30pm
(ARC 1121)

Time and room to be arranged. O/s

Students will learn principles and techniques of growth management and then analyze development trends and planning/regulatory practices in a sector of either Charles or Frederick County. The student analysis will be informed by a learned understanding of the 1992 Maryland Planning Act; the several programs implemented by the State in 1997 that are collectively known as "Smart Growth"; and best management practices from around the U.S. Based on their study, students will prepare a report for the study county summarizing their analysis and recommendations.

URSP688S Recent Developments in Urban Studies: Summer Program in St. Petersburg, Russia (1-6) REG.

0201 (15800) Howland, M. Time and room to be arranged. The program will be divided into two graduate level courses, Urban Planning in St. Petersburg (URSP 688S) and Urban Design in St. Petersburg (ARCH 678S). The courses are offered simultaneously, with some sessions and field trips conducted jointly. One field trip will be to Moscow. U.S. students will work side by side with students from the St. Petersburg Institute for Architecture and Engineering. The planning and architecture students will develop a model and plan for the redevelopment of an historic section of St. Petersburg. The plan will include drawings, a model, a financial feasibility analysis and a plan for implementation. MCP students may use this for their studio requirement if they also sign up for URSP 688S, Summer Session II.

URSP703 Community Planning Field Instruction and Practicum (PermReq) (3-6) REG.

Prerequisites: URSP 600, URSP 601, URSP 604, URSP 605 or permission from the Program. For MCP majors only. Formerly URBS 703. Concepts and ideas that have shaped the profession, current planning issues. Professional experience as intern in planning office. Weekly seminars focusing on practical, theoretical, professional and ethical issues arising during internship.

0201 (15811) Baum, H. Tu 7:00pm-9:30pm
(ARC 1121)

Time and room to be arranged. O/s

This course is part one of a 6 credit course, final 3 credits to be completed in Summer Session II. Students must sign up for both Summer Session I and II.

URSP788 Independent Study in Urban Studies and Planning (PermReq) (1-3) REG.

Individual instruction course: contact department or instructor to obtain section number.

URSP798 Readings in Urban Studies and Planning (PermReq) (1-3) REG.

Individual instruction course: contact department or instructor to obtain section number.

URSP799 Master's Thesis Research (PermReq) (1-6) REG/S-F.

Individual instruction course: contact department or instructor to obtain section number.

WMST Women's Studies

(ARTS AND HUMANITIES)

WMST255 Introduction to Literature by Women (3) REG/P-F/AUD

CORE: Literature (HL) DIVERSITY Also offered as ENGL 250. Credit will be granted for only one of the following: WMST 255 or ENGL 250. Images of women in literature by and about women.

0201 (15897) Delosso-Freeman, J. TuTh 1:00pm-4:15pm
(SOR 1105)

WMST275 World Literature by Women * (3) REG.

CORE: Literature (HL) DIVERSITY Also offered as CMLT 275. Credit will be granted for only one of the following: WMST 275 or CMLT 275. Comparative study of selected works by women writers of several countries, exploring points of intersection and divergence in women's literary representations.

0201 (15908) Voloshin, L. MW 6:00pm-9:15pm
(KEY 0102)

WMST325 The Sociology of Gender (3) REG/P-F/AUD

DIVERSITY Prerequisite: 3 credits of sociology. Also offered as SOCY 325. Credit will be granted for only one of the following: WMST 325 or SOCY 325. Institutional bases of gender roles and gender inequality, cultural perspectives on gender, gender socialization, feminism, and gender-role change. Emphasis on contemporary American society.

0201 (15919) STAFF MW 1:00pm-4:20pm
(ISV 2309)

WMST336 Psychology of Women (3) REG/P-F/AUD

Prerequisite: PSYC 100. Also offered as PSYC 336. Credit will be granted for only one of the following: WMST 336 or PSYC 336. A study of the biology, life-span development, socialization, personality, mental health, and special issues of women.

0201 (15929) Friedman, S. MtuWThF 12:30pm-1:50pm
(ZOP 1236)

WMST471 Women's Health (3) REG/P-F/AUD

DIVERSITY Also offered as HLTH 471. Credit will be granted for only one of the following: WMST 471 or HLTH 471. The women's health movement from the perspective of consumerism and feminism. The physician-patient relationship in the gynecological and other medical settings. The gynecological exam, gynecological problems, contraception, abortion, pregnancy, breast and cervical cancer and surgical procedures. Psychological aspects of gynecological concerns.

0201 (15951) STAFF MtuWTh 12:30pm-2:10pm
(HHP 1301)

0202 (15952) Hunt, M. MW 5:45pm-9:15pm
(HHP 1302)

WMST499 Independent Study: Individual Study in Women's Studies (PermReq) (1-3) REG/P-F/AUD

Individual instruction course: contact department or instructor to obtain section number. Prerequisite: 3 hours of WMST and junior standing.

WMST699 Independent Study (PermReq) (1-3) REG/AUD

Individual instruction course: contact department or instructor to obtain section number. By permission of instructor only.

ZOOL Zoology

(LIFE SCIENCES)

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

ZOOL202 Human Anatomy and Physiology II (4) REG/P-F/AUD

Prerequisite: ZOOL 201 or permission of department. Anatomy and physiology of the cardiovascular, respiratory, immune, digestive, urinary and reproductive systems. Not accepted as credit toward the zoology major.

0201 (16027) STAFF MtuWThF 11:30am-12:50pm
(ZOP 1250)

0202 (16028) STAFF TuWTh 8:30am-11:30am
(ZOP 0205) Lab MtuWThF 11:30am-12:50pm
(ZOP 1250)

0203 (16029) STAFF TuWTh 1:00pm-4:00pm
(ZOP 0205) Lab MtuWThF 11:30am-12:50pm
(ZOP 1250)

TuWTh 4:00pm-7:00pm
(ZOP 0205) Lab

Students must pay a \$40.00 Laboratory Materials fee.

ZOOL299 Supplemental Study in Zoology (PermReq) (1-3) REG/P-F/AUD

0201 (16053) STAFF Time and room to be arranged

ZOOL309H Honors Independent Study (PermReq) (1-4) REG/P-F/AUD

Contact department to make arrangements.

0201 (16064) STAFF Time and room to be arranged

ZOOL318H Honors Research (PermReq) (1-2) REG/P-F/AUD

Contact department to make arrangements.

0201 (16075) STAFF Time and room to be arranged

ZOOL319 Special Problems in Zoology (PermReq) (1-3) REG/P-F/AUD

Individual instruction course: contact department or instructor to obtain section number. Contact department to make arrangements.

ZOOL328Z Selected Topics in Zoology: Field Research (PermReq) (1-3) REG/P-F/AUD

0201 (16098) STAFF Time and room to be arranged

ZOOL360 Principles of Animal Behavior (3) REG/P-F/AUD

Prerequisites: BIOL 105 and BIOL 106 and BIOL 222. Study of animal behavior with emphasis on its evolution and function. Topics include genetic basis of behavior, communication, aggression, foraging, cooperation, mate selection and relevance for conservation.

0201 (16108) Honley, K. MtuW 9:30am-10:50am
(PLS 1115)
Th 9:30am-12:10pm
(PLS 1115) O/s

ZOOL381 Natural History of the Chesapeake Bay (3) REG/P-F/AUD

Prerequisite: a course in biological sciences or permission of department. Consideration of the major groups of organisms associated with the Chesapeake Bay and current issues that determine humans' present and future uses for the Chesapeake and its biota.

0201 (16118) Small, E. MtuWTh 11:00am-12:40pm
(ZOP 0283)

Accepted towards Biological Sciences specialization areas: ZOOL, EE8B, BEES, MARB, BGEN, and GENB

ZOOL390 Vertebrate Zoology (3) REG/P-F/AUD

Prerequisites: BIOL 106 and ZOOL 210 or permission of department. An introduction to the natural history of vertebrates, their evolutionary history, patterns of geographic distribution and systematics.

0201 (16126) Gill, D. Meets 07/12/99-07/30/99 MW 8:00am-10:00pm
(PLS 1180)

ZOOL 390 and ZOOL 391 will be taught in an integrated format during the first three weeks of summer session II. Students must register for both ZOOL 390 and ZOOL 391 (4 credits). Applies to BIOL specialization areas: ZOOL, MARB, EE8B, BEES, BGEN and GENB.

ZOOL391 Vertebrate Zoology Field Trips (1) REG/P-F/AUD

Prerequisites: BIOL 106 and ZOOL 210 or permission of department. Corequisite: ZOOL 390. Field trips to observe vertebrates and to institutions where scientific research on vertebrates is being conducted.

0201 (16138) Gill, D. Meets 07/12/99-07/30/99 TuTh 8:00am-5:00pm
(PLS 1172)

ZOOL 390 and ZOOL 391 will be taught in an integrated format during the first three weeks of summer session II. Students must register for both ZOOL 390 and ZOOL 391 (4 credits). Applies to BIOL specialization areas: ZOOL, MARB, EE8B, BEES, BGEN and GENB. Students must pay a \$40.00 Laboratory Materials fee.

ZOOL430 Developmental Biology (3) REG/P-F/AUD

Prerequisites: ZOOL 211 and BIOL 222. Structural, functional and regulatory events and mechanisms that operate during development to produce an integrated, multicellular organism composed of a multitude of differentiated cell types.

0201 (16148) Goode, M. TuWTh 11:00am-1:10pm
(PLS 1171)

Accepted towards Biological Sciences specialization areas: PHNB, ZOOL, CHMB, BGEN and GENB

ZOOL609 Special Problems in Zoology (PermReq) (1-6) REG/AUD

Individual instruction course: contact department or instructor to obtain section number. Contact department to make arrangements.

ZOOL708 Advanced Topics in Zoology (1-4) REG/AUD

Individual instruction course: contact department or instructor to obtain section number.

ZOOL799 Master's Thesis Research (PermReq) (1-6) REG.

Individual instruction course: contact department or instructor to obtain section number.

ZOOL899 Doctoral Dissertation Research (PermReq) (1-8) REG.

Individual instruction course: contact department or instructor to obtain section number.

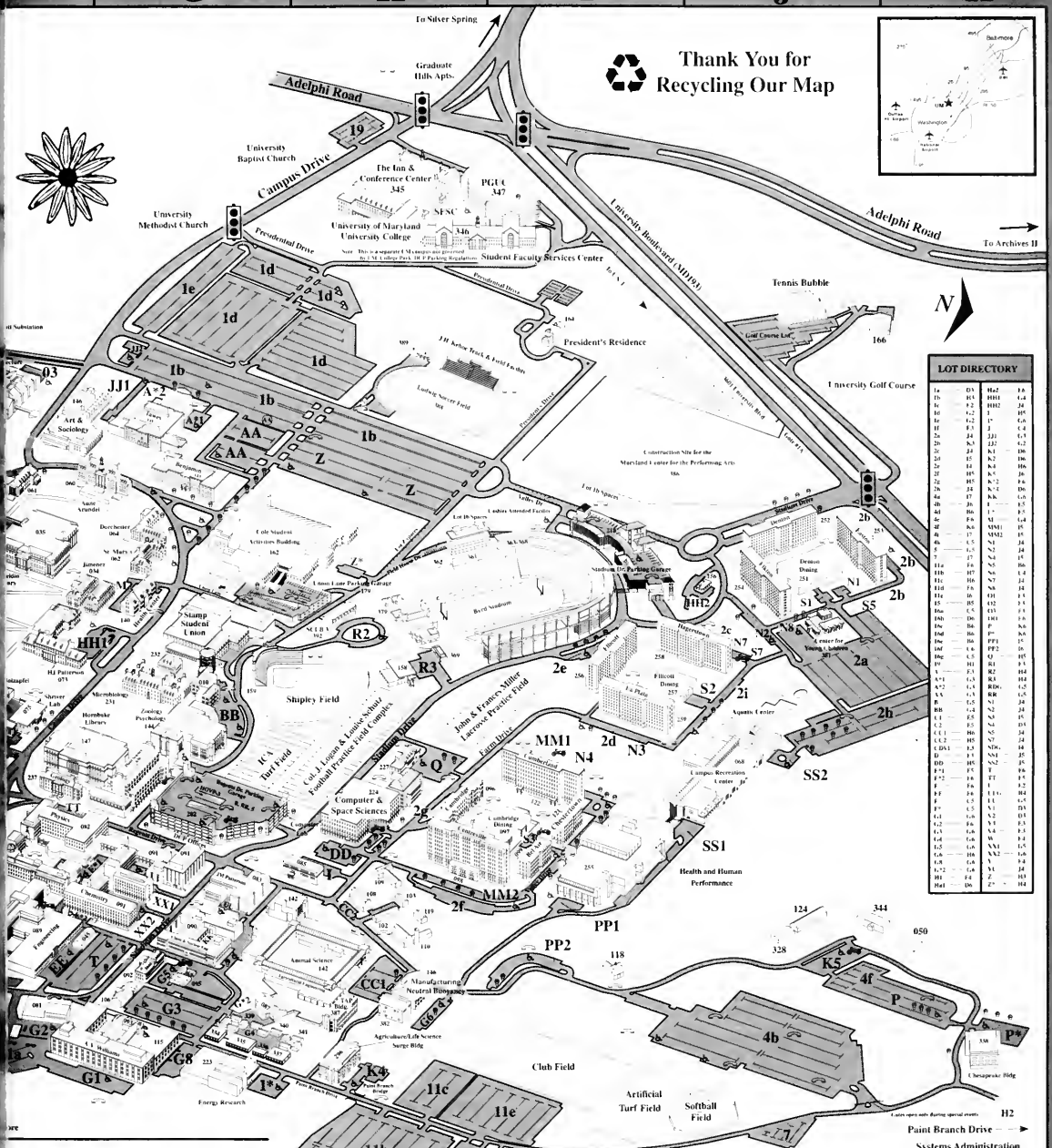
Building Abbreviations and Map Key

(see campus map on pages 62-63)

AGY	Allegany Hall	024, C-4	HHP	Health and Human Performance	255, I-5
ANS	Animal Sciences	142, G-5	HZF	Holzappel Hall	074, F-4
ANA	Anne Arundel Hall	060, G-3	HOW	Howard Hall	028, D-3
ARC	Architecture Building	145, F-2	IPT	Inst. of Physical Sci. & Tech.	224, H-5
ARM	Reckord Armory	078, E-5	ITV	Instructional Television Facility	045, F-6
ASY	Art-Sociology Building	146, F-3	JMP	J.M. Patterson Hall	083, G-5
AVW	A.V. Williams Building	115, G-6	JMZ	Jimenez Hall	034, F-4
BAL	Baltimore Hall	016, D-4	JRN	Journalism Building	059, F-3
BEL	Bel-Air Hall	099, I-5	JUL	Jull Hall	227, H-5
BRD	Byrd Stadium	161, H-4	KNT	Kent Hall	022, D-4
CAL	Calvert Hall	015, D-4	KEY	Francis Scott Key Hall	048, E-4
CAM	Cambridge Hall	096, H-5	LPA	La Plata Hall	259, I-4
CRC	Campus Recreation Center	068, J-5	LEF	LeFrok Hall	038, E-3
CAR	Caroline Hall	070, E-3	MTH	Mathematics Building	084, F-5
CRL	Carroll Hall	065, E-3	MCK	McKeldin Library	035, F-3
CEC	Cecil Hall	017, D-4	MCB	Microbiology Building	231, G-4
CEN	Centreville Hall	098, I-5	MNT	Montgomery Hall	032, C-4
CHL	Charles Hall	025, C-4	MMH	Marie Mount Hall	046, E-4
CHE	Chem. Eng. Building	090, G-5	MOR	Morrill Hall	040, E-3
CHM	Chemistry Building	091, G-5	PHY	Physics Building	082, F-5
CHS	Chestertown Hall	121, I-5	PKT	Preinkert Field House	054, F-3
CLB	Classroom Building	106, G-6	PGG	Prince George's Hall	021, D-4
COL	Cole Student Activities Building	162, G-3	QAN	Queen Anne's Hall	061, F-3
CSS	Computer and Space Sciences	224, H-5	RIT	Ritchie Coliseum	004, D-5
CBD	Cumberland Hall	122, I-5	SCP	South Campus Surge	233, D-3
DNC	Dance Building	053, D-3	SHM	Shoemaker Building	037, E-4
DEN	Denton Hall	252, J-3	SHR	Shriver Lab	075, F-4
DOR	Dorchester Hall	064, G-3	SKN	Skinner Building	044, E-4
EAS	Easton Hall	253, J-3	SOM	Somerset Hall	063, F-3
EDA	Education Annex	066, E-3	STM	St. Mary's Hall	062, G-3
EDU	Benjamin (Education) Building	143, G-3	SSU	Stamp Student Union	163, G-4
ELK	Elkton Hall	254, J-3	SYM	Symons Hall	076, F-5
ELL	Ellicott Hall	256, I-4	TAL	Talbot Hall	030, D-4
EGR	Engineering Classroom Building	088, F-6	TLF	Toloferro Hall	043, E-4
EGL	Engineering Lab Bldg	089, F-6	TYD	Tydings Hall	042, E-3
ERB	Engineering Research Building	093, G-6	TWS	Tawes Fine Arts Building	141, G-3
FRD	Frederick Hall	029, D-4	VMH	Von Munching Hall	039, E-2
GRT	Gorrett Hall	031, D-3	WSH	Washington Hall	023, D-4
GEO	Geology Building	237, F-5	WIC	Wicomico Hall	069, E-3
HAG	Hagerstown Hall	258, I-4	WDS	Woods Hall	047, E-4
HAR	Harrison Lab	002, E-6	WTU	Wind Tunnel	081, G-6
HRF	Harford Hall	014, D-4	WOR	Worcester Hall	051, F-3
HBK	Hornbake Undergrad Library	147, F-5	ZOP	Zoology/Psychology Building	144, G-4
HJP	H.J. Patterson Building	073, F-4			



Thank You for Recycling Our Map



REGISTERING THROUGH MARS (Maryland Automated Registration System-Phone-In)

Use MARS for all schedule adjustments such as additional adds, drops, grading method changes and credit level changes.

MARS HELPLINE: 314-1600

When to Call Mars

Summer Session I: Call MARS March 29-May 28
 Summer I Classes begin: June 1
 Summer Session II: Call MARS March 29-July 9
 Summer II Classes begin: July 12

Hours of Operation

Monday - Friday: 7:30 am - 11:00 pm
 Sunday: 5:00 pm - 11:00 pm

For information on who is eligible to use MARS, see page 2 of this catalogue.

HOW TO USE MARS

1. Select courses from this catalogue. Note section number and INDEX NUMBER. The section number indicates during which summer session the course meets. Sections beginning with 01 meet during Summer Session I; those beginning with 02 during Summer Session II. The five digit INDEX NUMBER is located to

the right of the section number in parenthesis. The INDEX NUMBER is used to identify your course selection to MARS.

Read course listings carefully. Some courses are "BY PERMISSION ONLY." These courses require departmental approval. Contact the department offering the course prior to registration.

2. Fill out the MARS Course Worksheet below with ACTION CODE and INDEX NUMBER information. ACTION CODES tell the computer what you want to do—for example, add, drop or list courses. ACTION CODES are listed under the course worksheet form.
3. Pay tuition and fees. Registration is not final until tuition and fees have been paid. See important payment information on pages 6-8 of this catalogue. Failure to pay bills by specified dates on page 8 may result in cancellation of registration.

WORDS FROM MARS

Accidental termination of call. If you are accidentally cut off from MARS before you complete your request, recall the system. You will be registered for transactions processed prior to termination.

Cancellation of Registration. See page 8 for cancellation deadlines and information. PIN – Personal Identification Number. PINs have been assigned to all eligible undergraduate students. If you misplace, forget or feel the confidentiality of your PIN has been jeopardized, you can request a new number at the Registration Information Counter, first floor Mitchell Building. You will need to provide photo identification. Question? Call 314-8240.

There may be periods of silence during your call to MARS. This is normal and occurs when information is being verified or processed. DO NOT HANG UP. Wait for the next set of instructions.

WAITLISTING WITH MARS

See page 3 of this catalogue.

TO REGISTER FOR COURSES, FOLLOW STEPS 1 – 8

1. Before processing your registration fill in the boxes below, one course per line. Each course selection is identified in the Course Listing by a unique 5-digit INDEX NUMBER (to the right of the section number). Be prepared with alternate selections. Note that MARS will not allow you to register for any time conflicts.
2. Call MARS 301-403-0500 (from campus call 9-403-0500).
3. Select Registration Activities from the MARS main menu (Option 1).
4. Select Registration/Schedule Adjustment from the Registration Activities menu (Option 1).
5. Enter your student ID number (usually your social security number) _____ - _____ - _____
6. Enter your PIN (Personal Identification Number) _____
7. Add courses to your schedule by pressing 2, the INDEX NUMBER of the course, and # enter another # to send the information to the computer.



ACTION COURSE	INDEX NUMBER	COURSE	SECTION	DAYS	TIMES
ASC 2	_____	_____	#	_____	_____
ASC 2	_____	_____	#	_____	_____
ASC 2	_____	_____	#	_____	_____
ASC 2	_____	_____	#	_____	_____
ASC 2	_____	_____	#	_____	_____
ASC 2	_____	_____	#	_____	_____

8. Press # after entering your transactions. This # signals the computer to process your requests.

ACTION CODES FOR REGISTRATION/SCHEDULE ADJUSTMENT
 Action Codes are accessed by pressing the corresponding button on the telephone keypad.

- ADD A COURSE:**
 2 INDEX NUMBER ##
- DROP A COURSE:**
 3 INDEX NUMBER ##
 OR 3##, MARS will list your courses and prompt you to press 1 to drop or 0 to continue
- CHANGE GRADING METHOD:**
 (Limited to variable grading method courses)
 4 INDEX NUMBER * GRADING METHOD ##

- 1=Regular 2=Pass/Fail 3=Audit 4=Satisfactory/Fail
 OR 4## to list courses with grading method
- CHANGE CREDIT LEVEL:**
 (Limited to variable credit level courses)
 8 INDEX NUMBER * NUMBER OF CREDITS ##
 (Example: 2 credits=02)
 OR 8## to list courses with credit levels
- LIST YOUR SCHEDULE:**
 5 # #
- WAITLIST FEATURE:**
 7 # #

Estimated Billing Form Instructions

1. Add the number of credit hours on the Schedule Request Form. Only courses listed on that page should be included in this total.
2. Locate your status (undergraduate, graduate resident, graduate non-resident) on lines 1-3. (Note: a "Graduate Student" is one who has been admitted to the graduate school either at the University of Maryland or another institution. Students who have graduated from this or another institution are not considered graduate students until they have been admitted to the Graduate School. If you have any questions on this or your residence status, please call the Undergraduate Admissions Office, (301) 314-8385 or the Graduate Admissions Office, (301) 405-4198. The University reserves the right to make the final and official determination of the student's residence status).
3. On the line next to your status circle the amount under the number of credit hours you are requesting. This is your tuition. Enter the cost in the amount column.
4. Line 4 lists mandatory fees charged to every student each summer session. The fees are therefore entered in the amount column for you.
5. If you are requesting On-campus Housing, enter the appropriate amount for 6 weeks on line 6 in the amount column. If your course requires other than 6 or 8 weeks residence, contact the Resident Life Assignments Office at (301) 314-2100. Attach the Residence Halls Agreement tear-off portion to the Schedule Request and Estimated Bill Form.
6. If you wish to park on campus for the summer, refer to line 7. Parking permits must be picked up at the Department of Campus Parking Office on campus. Note: UM students' permits assigned the previous Fall semester are valid through August.
7. If this form is accompanied by an application for admission, you must also pay an Application Fee. If this pertains to you, enter the appropriate amount on line 8. Note: only one application for Admission and one Application Fee required for both summer sessions.
8. To determine the amount you owe the university, add all charges entered in the amount column. Enter this total on line 10. Make a check for the amount owed payable to the University of Maryland. Write Student's Social Security Number on face of check. You will be notified of any bill adjustments that are necessary. Payment must accompany the Estimated Billing Form.
9. Students entitled to credit on their bills (contract, scholarships, etc.) must attach a purchase order from the agency paying their fees and/or certifying documentation for the scholarship credit.
10. MONIES OWED THE UNIVERSITY WILL BE DEDUCTED FROM CHECKS RECEIVED PRIOR TO APPLICATION OF THE REMAINDER TO SUMMER SCHOOL TUITION. CHARGES INCURRED DURING THE SUMMER ARE PAYABLE IMMEDIATELY.
11. Enclose the Schedule Request and Estimated Billing Form (and application and housing request, if applicable) along with your check in the return envelope provided herein, or use the following address:
Office of the Bursar
Summer Mail-in Registration
Room 1115 Lee Building
University of Maryland
College Park, Maryland 20742-5151

1999 Estimated Billing Form

SUMMER SESSION I ONLY

		ESTIMATED BILLING FORM										AMOUNT			
Undergraduate		CREDIT HOURS													
Students		1	2	3	4	5	6	7	8	9	10				
1.	Resident Tuition	170	340	510	680	850	1,020	1,190	1,360	1,530	1,700	\$			
2.	Non-Resident Tuition	330	660	990	1,320	1,650	1,980	2,310	2,640	2,970	3,300				
Graduate		CREDIT HOURS													
Students		1	2	3	4	5	6	7	8						
3.	Resident Tuition	272	544	816	1,088	1,360	1,632	1,904	2,176						
4.	Non-Resident Tuition	415	830	1,245	1,660	2,075	2,490	2,905	3,320						
5. Mandatory Fees For All Students		Student Services Fee										\$75	\$	75	00
		Academic Services Fee										\$12	\$	12	00
		Health Fee										\$3	\$	3	00
		Building Rec Fee										\$21	\$	21	00
6. On-Campus Housing (attach Residence Halls Agreement Form)		Six Weeks										\$660.06	\$		
		Eight Weeks										\$880.08	\$		
7. Campus Parking Fee: Campus Resident \$31; Commuter \$17 (choose one)*												\$			
8. Application Fee for New Students (non-refundable); Undergraduate \$45; Graduate \$50												\$			
9. Special Fees (consult course listings)												\$			
10. TOTAL BILL												\$			

SUMMER SESSION II ONLY

		ESTIMATED BILLING FORM										AMOUNT			
Undergraduate		CREDIT HOURS													
Students		1	2	3	4	5	6	7	8	9	10				
1.	Resident Tuition	170	340	510	680	850	1,020	1,190	1,360	1,530	1,700	\$			
2.	Non-Resident Tuition	330	660	990	1,320	1,650	1,980	2,310	2,640	2,970	3,300				
Graduate		CREDIT HOURS													
Students		1	2	3	4	5	6	7	8						
3.	Resident Tuition	272	544	816	1,088	1,360	1,632	1,904	2,176						
4.	Non-Resident Tuition	415	830	1,245	1,660	2,075	2,490	2,905	3,320						
5. Mandatory Fees For All Students		Student Services Fee										\$75	\$	75	00
		Academic Services Fee										\$12	\$	12	00
		Health Fee										\$3	\$	3	00
		Building Rec Fee										\$21	\$	21	00
6. On-Campus Housing (attach Residence Halls Agreement Form)		Six Weeks										\$660.06	\$		
		Eight Weeks										\$880.08	\$		
7. Campus Parking Fee: Campus Resident \$31; Commuter \$17 (choose one)*												\$			
8. Application Fee for New Students (non-refundable); Undergraduate \$45; Graduate \$50												\$			
9. Special Fees (consult course listings)												\$			
10. TOTAL BILL												\$			

* You must pick up your permit at the Department of Campus Parking Office.

Student Social Security Number: _____

MAKE CHECKS PAYABLE TO UNIVERSITY OF MARYLAND. INCLUDE THE STUDENT'S SOCIAL SECURITY NUMBER ON CHECK. One check may be used to pay for both summer sessions. Add the "Total Bill" from both estimated billing forms to determine the total amount of your check.

All tuition and fees subject to adjustment.

If you wish to use your credit card, check one and fill in



Mastercard



VISA



Discover Card

Customer Account Number _____

Effective Date _____ Expiration Date _____

Your Signature _____



SUMMER 1999 RESIDENCE HALLS AGREEMENT

LAST NAME, FIRST NAME, MI _____

FEMALE
MALE

--	--	--	--	--	--	--	--	--	--

STUDENT ID No.

HOME ADDRESS _____

CITY _____

STATE _____

ZIPCODE _____

HOME PHONE _____

Are you a Graduate student? yes no
 Do you want consideration for a single room? yes no
 Do you smoke? yes no
 Do you object to a roommate who smokes? yes no

Roommate Preference _____

NAME _____ STUDENT ID# _____

DATES OF OCCUPANCY/PAYMENT

Session I only: May 30 - July 9
\$660.06 (\$633.78 housing + \$26.28 telecom)

Session II only: July 13 - August 20
\$660.06 (\$633.78 housing + \$26.28 telecom)

Sessions I & II: May 30 - August 20
\$1,320.12 (\$1,267.56 housing + \$52.56 telecom)

8-week course: May 30 - July 23
\$880.08 (\$845.04 housing + \$35.04 telecom)

Maryland English Institute: June 13 - August 6
\$880.08 (\$845.04 housing + \$35.04 telecom)

I understand that I am obligated to accept summer residence halls housing and resident telecommunication services upon Resident Life's receipt of this Agreement. I have read, understand and will abide by all Terms and Conditions of On-Campus Summer Housing.

STUDENT SIGNATURE _____

BIRTHDATE _____ DATE _____

PARENT SIGNATURE _____
(if student is under 18 years of age)

FOR OFFICE USE

DO YOU LIVE IN UMCP RESIDENCE HALLS NOW?
 no yes

Room and Hall _____

Additional \$105.63 enclosed solely by current on-campus resident in order to request campus housing from end of finals in May to start of Summer Session I. Subject to Resident Life approval and according to "interim occupancy" procedures. yes no

TERMS AND CONDITIONS OF ON-CAMPUS SUMMER HOUSING

When the Agreement is signed by the student and confirmed by the University, this Agreement provides the student with the opportunity to live in a University summer residence hall, subject to all terms stated below. The student is also subject to responsibilities and processes set forth in the Code of Student Conduct, Undergraduate and/or Graduate Catalog, Summer Sessions Catalogue, and other relevant University documents.

I. PARAMETERS OF THE AGREEMENT

ELIGIBILITY. Individuals must be single students without dependents at the College Park Campus. No provisions are made for spouses or family members.

OCCUPANCY PERIODS. Housing may be requested for Session I only; Session II only; both Sessions I and II, and 8-week classes. Summer occupancy is available from May 30, 1999 to 7pm August 20, 1999 for Session I and II registrants; from May 30, 1999 to 7pm July 9, 1999 for Session I only registrants; from July 11, 1999 to 7pm August 20, 1999 for Session II only registrants; from May 30, 1999 to 7pm July 23, 1999 for 8-week registrants; and from June 13, 1999 to 7pm August 6, 1999 for Maryland English Institute (MEI) registrants. Other occupancy periods may be acceptable as determined by Resident Life.

LIABILITY. The University cannot and does not assume responsibility for personal accident, injury, or illness sustained by residents, guests or visitors, nor for the damage, theft, or loss of personal property. The student releases the University, its officers, agents and employees from any liability on account of any accident, injury, illness, property, damage, theft, or loss. The University recommends that students obtain private insurance against such harm or loss.

II. UNIVERSITY SERVICES.

The University will provide the following services on a continual basis, although interruptions may be necessitated by an act of God, an order of a University/civil authority, limited or restricted control or availability of resources as determined by the University, maintenance activities, or other condition that is reasonably beyond administrative control. Services are provided in accordance with standards and levels of service determined by the University. It is the expectation of the University that services will be available and uninterrupted and that any disruption of services vital to the health and safety of residents will be restored within a reasonable amount of time.

The residential and telecommunication facilities are provided as services to students and are unique to the University environment. Therefore, the relationship between the student and the University is not a landlord/tenant relationship; rather this Agreement is a license to use certain facilities for a particular period of time.

ASSIGNMENT OF BUILDING AND ROOM. Resident Life does not discriminate in room or hall assignments on the basis of race, color, religion, or national origin. Except for cases that involve disciplinary action, summer housing does not affect an individual's request for housing in any subsequent academic term.

Available accommodations normally are in apartments (include kitchen and dining area) and, if necessary, suites (no kitchens, no cooking permitted). Individuals assigned to suites must maintain an approved meal program, as determined by the Department of Dining Services, for the full period of assignment to a suite.

Available spaces, especially singles, in each building type are limited. To assure that these spaces are assigned as equitably as possible, all completed Agreements received with payment

in full to the Office of the Bursar by the published priority deadline will be submitted in a lottery drawing for building and room types. Agreements received after the priority deadline will be considered on a first-come, first-served basis for existing vacancies.

UTILITIES AND HOUSEKEEPING. The University will provide heat, water, electricity, and waste disposal services. The University will remove trash from designated areas and will clean common hallways and public areas on a scheduled basis.

FURNISHINGS. The University will provide each resident: bed, mattress, dresser, desk and chair set, telephone line and data line. The University will provide each student room with window shade or blinds, closet(s), window screen, and smoke detector.

REPAIRS. The University will make all repairs and perform maintenance in the residence hall and the resident's room with authorized personnel. Repairs to the room or University furnishings will occur upon request or in accordance with routine schedules. Repairs and maintenance activities shall be conducted under a system of priority scheduling.

TELECOMMUNICATIONS. The University provides (at a standard, 6-week charge) telephone service for each resident. On-campus phone calls may be made by residents with no additional charge. Local and long distance service may be arranged by the student on a private basis, and additional charges for these services shall be paid for by the resident.

III. RESPONSIBILITIES OF RESIDENTS

CARE OF FACILITIES. (1) The resident accepts responsibility and agrees to be held accountable for his/her actions, for the actions of his/her guest(s), and the proper use and care of the residential facilities, assigned space, common areas, and University property. The resident also agrees to report promptly any interruptions of service or needed repairs. (2) The resident agrees to take reasonable action to protect residential facilities and property from wanton, reckless or negligent damage; refrain from encouraging or participating in activities which cause damage; report damages; and assist the University in identifying individuals responsible for damage, theft or loss. (3) The resident, at the time of check-out from the residence hall, will return the assigned space and its University furnishings in the same condition as they were received, with the exception of reasonable wear and tear. (4) The resident assumes responsibility for the appropriate use of safety and security hardware (e.g., locks, smoke detector) within his/her assigned residence hall space and building, and will immediately report loss of assigned key(s) or malfunctioning hardware.

CONDUCT. (1) The resident shall conduct himself/herself in a manner which promotes a courteous, safe, and secure residence hall and dining environment. The resident understands that his/her behavior should be conducive to the pursuit of academic goals, as well as individual and community development and welfare. (2) The resident shall ensure that his/her roommate(s) will have access to and equitable use of the assigned space. (3) Rules and regulations are intended to promote the safety and well-being of residents. They include but are not limited to prohibitions against: cooking elements; flammable materials; weapons and fire-crackers; unauthorized modifications of assigned space; pets; duplication and transfer of University keys; disruptive/destructive behavior; behavior such as intimidation or harassment which threatens the property, safety, security, health, or well-being of others; improper use of fire/safety or building security equipment; and threats to or interference with University staff in the performance of their duties. Violation of rules and regulations can constitute grounds for termination of this Agreement. (4) When it is determined by Resident Life that a student has violated State or Federal laws and/or University rules and regulations, and when such conduct indicates that the student constitutes a threat to the safety, health, or well-being of community members or of himself/herself, disciplinary and/or administrative action, including termination of this Agreement, may be taken.



HOW TO RESERVE RESIDENT LIFE ON-CAMPUS SUMMER HOUSING

CAREFULLY REVIEW the terms and conditions under which housing is offered. These are in the *Summer Residence Halls Agreement* below and on the reverse.

COMPLETE the *Agreement* form on the reverse and sign your name, print your age and the current date where requested. Do not complete the *Agreement* form if you will be working this summer for the University's Resident Life or Residential Facilities departments; separate procedures apply for these employees.

DETACH the *Agreement* form at the dashed line.

KEEP the text below for your records and information.

SUBMIT the *Agreement*, with payment in full, to the Office of the Bursar. *Agreements* received by April 16 will priority consideration for single rooms, roommate preferences, other assignment preferences, and "interim occupancy." *Agreements* received after April 16 will be assigned in their date-received order.

NOTICE of your assignment will be mailed 7-10 days before the start of your Summer Session classes.

USE OF/CHANGE OF ASSIGNED SPACE. (1) The resident agrees that a change of assignment may be made only with the written approval of Resident Life in accordance with established room change procedures. Requests which are based upon consideration of race, color, religion, or national origin cannot be honored. (2) The resident agrees: (a) to live only in the space to which he/she has been officially assigned; (b) not to sublet or otherwise use or grant use of the assigned space, residence hall common areas, or grounds for any unauthorized purpose; and (c) not to sell, solicit, or conduct a business enterprise therein without the written permission of Resident Life's Assignment Office. (3) If a vacancy occurs in the assigned room, the remaining resident(s) agrees to follow established procedures for the reassignment of another student to that space. (4) When vacating an assigned space, the resident must complete established check-out procedures. (5) Resident Life reserves the right to move a resident from one space to another in order to: (a) meet its responsibilities to student health, safety, and well-being; (b) maintain, operate, or renovate facilities; (c) reassign rooms to students of the opposite sex; or (d) consolidate groups of residents for reasons of security or closing a portion of a residence hall.

GUESTS. A guest may stay in the assigned space only with the concurrence of the roommates(s) and for no more than three consecutive nights. Resident Life may invoke limitations of the guest privileges. Guest(s) must abide by established University/Resident Life regulations.

SAFETY AND SECURITY. The resident agrees to take primary responsibility for his/her own safety and security and for the safety and security of his/her residence hall community. The University and Resident Life will work cooperatively with residents to promote a safe and secure environment. The resident agrees to read and abide by security policies and precautions stated in University publications.

IV. ADMINISTRATIVE PROCEDURES

ROOM ENTRY, INSPECTION, AND PROPERTY REMOVAL. (1) The University reserves the right to enter rooms for purposes of (a) improvements; (b) inspection and maintenance; (c) recovery of University/State-owned property which is not authorized for use in the assigned space; (d) fire and safety inspection; and (e) actions necessary to insure the safety, health and general welfare of the resident or others and/or the protection of University or student property. (2) A resident's request for maintenance and repair constitutes his/her consent for room entry. While entry without notice may be necessary, attempts will be made to provide prior notification whenever feasible. (3) The University respects the resident's right to privacy within his/her room. When entry or inspection is required, reasonable consideration will be given. (4) The University reserves the right to remove and dispose of any personal property remaining in a room following (a) termination or expiration of this *Agreement*, (b) the resident's separation by/from the University, and/or (c) the date the resident officially checks out of the room. A charge for costs incurred by such removal may be assessed to the resident.

LIABILITY FOR DAMAGES. (1) The student will be assessed charges for damage, loss or special service (e.g., cleaning) due to misuse or abuse of his/her assigned space and the State property contained therein. When the assigned residence hall space is shared, and where the responsible student(s) fails to assume responsibility, an equal portion of the charges will be assessed to each occupant. (2) Individual(s) identified as being responsible for damage, theft, loss, or special service (whether intentional or negligent) in common areas of the residential facilities will be assessed the cost of repair, replacement or restoration. (3) When individual responsibility cannot be determined, and where deemed necessary by Resident Life, residents may be held collectively responsible for damage, theft, loss, or special service to the common areas or to University property within the residential facility.

RELEASE FROM AGREEMENT PRIOR TO CLAIMING SERVICES. The University

will release an individual from this *Agreement* prior to the date services may be claimed, without the individual incurring any financial obligation, when written notice signed by the individual is received by Resident Life Assignments Office on or before May 10, 1999 for Session I or June 21, 1999 for Session II. If notice is received after these dates, and before services are claimed at check-in (i.e., keys issued), the individual, regardless of his/her University status at the date of release from this *Agreement*, will be charged as follows:

CANCELLATION FEES			
NOTICE FOR SESSION I*		NOTICE FOR SESSION II	
BY	AMOUNT	BY	AMOUNT
May 10	\$0.00	June 21	\$0.00
May 11-18	\$52.82	June 22-29	\$52.82
May 19-25	\$105.63	June 30-July 6	\$105.63
May 26-June 1	\$158.45	July 7-13	\$158.45
No-show/No notice to Resident Life	\$211.26	No-show/No notice to Resident Life	\$211.26

*8-week classes that begin on June 2 are subject to the same cancellation dates and fees as Session I. Cancellations from MEI registrants must be received by May 26 to avoid the charge structure shown above.

Requests for release from this *Agreement* must be made in writing and directed specifically to Resident Life Assignments Office, 2100 Annapolis Hall. **NOTICE TO ANY OTHER UNIVERSITY OFFICE WILL NOT ENSURE RELEASE.**

FAILURE TO CLAIM SERVICES. When an individual (1) fails to properly claim the assigned space and has not secured release from this *Agreement* prior to the deadline for claiming services, or (2) fails to notify the Resident Life Assignments Office of delayed arrival by 12 noon on the first University-scheduled class day of the summer session (or within 72 hours of the receipt of assignment if assignment is made after the first class day), Resident Life will terminate this *Agreement*, and the individual, regardless of his/her University status, will be charged an amount equal to two weeks' housing fee.

RELEASE AFTER CLAIMING SERVICES. Resident Life will release an individual from this *Agreement* after services are claimed without the individual incurring any financial obligation beyond charges associated with occupancy when Resident Life has received proof from the student of withdrawal from all summer sessions course work.

TERMINATION OF AGREEMENT. Resident Life may terminate this *Agreement* at any time and require the individual to forfeit the assigned space when (1) it is determined that information furnished by the individual or parent/guardian for the purpose of obtaining residence hall services is substantially incomplete, misleading, or false in whole or in part, (2) it is determined that an individual, for whatever reason, is not eligible to reside in the building; (3) it is determined that the student has violated housing rules, and may also be denied continued access to any University residential facility; or (4) University facilities are found to be inadequate in number or physical condition.

CREDITS AND REFUNDS. Release from this *Agreement* must be secured by Resident Life Assignments office before any approved credit of housing or telecommunication fees may be initiated. Appropriate housing and telecommunication charges are assessed for services from the week during which services must be claimed through the week during which check-out is completed. Failure to check out by the approved date will decrease the amount of credit. No refund is approved if check-out occurs during the last three weeks of each session or if the occupancy period is three weeks or less. Refund, if due, must be requested in writing from the Office of the Bursar.

Summer Course Registration Form

1999 Summer Session I

This form should be used for the FIRST Summer Session only. Mail-in registrations must be postmarked by May 21, 1999.

Complete the entire form. Do not write in shaded areas.

Currently enrolled, newly-admitted, and visiting summer students, who have already applied, can register on the Internet at www.testudo.umd.edu. (see p. 2)

LAST NAME

FIRST

MI

--	--	--

SOCIAL SECURITY NUMBER

--	--	--

Were you registered at the University of Maryland College Park SPRING 1999?

YES NO

If NO:

Please read Admission Information in this Catalogue.

ASSISTANT DEAN'S
STAMP AND SIGNATURE

MANDATORY FOR STUDENTS
ON ACADEMIC WARNING
OR DISMISSAL

STUDENT SIGNATURE

DAYTIME PHONE NUMBER

COURSE REQUEST: Complete this part with information found in the Course Listing section of this catalogue.

See page 14 for information on determining the session of a course. If MAILING this form, please provide alternate sections.

DO NOT WRITE IN THIS SPACE	COURSE REQUESTS:						
↓	PREFIX NUMBER	Suff.	SECTION	Grading Method	Credit Level	Waitlist Position	
	AMST	418	A	01 01	Reg	3	
			01				
			01				
			01				
			01				
			01				

ALTERNATE SECTIONS OR INDEX NUMBERS:

RESTRICTED COURSE AUTHORIZATION	
STAMP	SIGNATURE

<p>Register on the Web</p> <p>http://www.testudo.umd.edu</p> <p>http://www.inform.umd.edu/summer</p>	<p>Register by phone</p> <p>MARS (301) 403-0500</p> <p>Helpline (301) 314-1600</p> <p><small>See MARS worksheet on page 64</small></p>
--	--

Registration Verification and Signature:

ALL STUDENTS COMPLETE THIS SECTION: In the space below list the course(s) you have requested. The lower part of this form must be validated by the Office of the Registrar and returned to you. It is your proof of Registration.

DO NOT WRITE IN THIS SPACE	SOCIAL SECURITY #	PREFIX NUMBER	Suff.	SECTION	Grading Method	Credit Level	Waitlist Position
↓	[] - [] - []			01			
				01			
				01			
				01			
				01			
				01			

WAITLISTED SECTIONS AND POSITION:

Waitlist Check-In Period

Begins: _____ Ends: _____

Students who register and later decide not to attend classes must **CANCEL** their registration **PRIOR TO THE FIRST DAY OF CLASSES**. Failure to do so will result in financial obligation even though the student does not attend classes.

NAME _____

ADDRESS _____

CITY, STATE, ZIP _____

Registration Verification and Signature:



IN-STATE TUITION STATUS

In-state tuition status is granted to applicants who demonstrate permanent Maryland state residency, or dependence on another person with permanent Maryland state residency. To be considered for in-state tuition status, **every item on this page must be answered completely.** Use N/A for any item that does not apply to your situation. The Office of Undergraduate Admissions may contact the applicant for a clarification or for additional information if necessary.

1. Name of applicant (student): _____ 2. Social Security Number: _____ - _____ - _____

3. Please check one:

- a. I am seeking to demonstrate **financial dependence** on a parent, court-appointed legal guardian, or spouse who is a permanent Maryland resident and who has either provided more than one half of my financial support for the past twelve months or has claimed me as a dependent on his or her most recent income tax returns. **The person providing financial support is listed in item 4 and he or she (not the applicant) will answer items 5 through 15.**
- b. I am seeking to demonstrate **financial independence** and permanent residence in the state of Maryland. I have earned taxable income which covered one half or more of my expenses for the past twelve months and I have not been claimed as a dependent on another person's most recent income tax returns. **I (the applicant) will answer items 4 through 15.**

4. Name _____ Relationship to applicant _____
 If spouse, date of marriage _____ If legal guardian, date of court appointment _____
 Home address _____ City _____ State _____
 Length of time at home address: Years _____ Months _____ (If less than 12 months, then provide previous address information.)
 Previous address _____ City _____ State _____
 Length of time at previous address: Years _____ Months _____

For items 5 through 14, the person named in item 4 should check YES or NO for each question and complete all blanks. Use N/A for any item that does not apply.

- | | | |
|--------------------------|--------------------------|---|
| YES | NO | |
| <input type="checkbox"/> | <input type="checkbox"/> | 5. Are you a full-time active member of the U.S. Armed Forces?
a. If yes, attach copy of most recent assignment orders and indicate date of expected separation from the military _____
b. If yes, are you stationed in Maryland or have you established Maryland as your home of residency? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, effective date _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 6. Are you a part-time (50%) or full-time "permanent" employee of a University System of Maryland institution?
a. If yes, attach verification of permanent/regular employment. |
| <input type="checkbox"/> | <input type="checkbox"/> | 7. Are you a citizen of the United States?
a. If non-citizen, type of visa _____ b. Date visa issued _____ c. Expiration date of visa _____
d. If permanent resident, alien registration number _____ e. Date of issue _____ f. Expires _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 8. Are all, or substantially all, of your possessions in Maryland? |
| <input type="checkbox"/> | <input type="checkbox"/> | 9. Are you registered to vote?
a. If yes, in what state? _____ b. Date of registration _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 10. Do you possess a valid driver's license?
a. If yes, in what state? _____ b. Initial date of issue _____ c. Most recent date of issue _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 11. Do you own any vehicles?
a. If yes, first vehicle's initial date of registration _____ b. Most recent date of registration _____ c. State of registration _____
d. If yes, second vehicle's initial date of registration _____ e. Most recent date of registration _____ f. State of registration _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 12. Have you paid Maryland state income tax for the most recent year on all earned income including taxable income earned outside of Maryland?
a. Check the actual years you have filed a Maryland state income tax return: <input type="checkbox"/> 1998 <input type="checkbox"/> 1997 <input type="checkbox"/> 1996
b. Check the actual years you have filed another state's income tax return: <input type="checkbox"/> 1998 <input type="checkbox"/> 1997 <input type="checkbox"/> 1996
c. If you did not file a tax return in Maryland for the most recent year, state reason(s): _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 13. Is Maryland state income tax currently being withheld from your pay?
a. If no, state reason(s): _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 14. Do you receive any public assistance from a state or local agency other than one in the State of Maryland?
a. If yes, please explain _____ |

I certify that the information provided in items 3 through 14 is complete and correct. I understand that the university reserves the right to request additional information if necessary. In the event the University discovers that false or misleading information has been provided, the applicant may be billed by the university retroactively to recover the difference between in-state and out-of-state tuition for the current and subsequent semesters.

15. _____
 Signature of person completing items 4 through 14 Date

Visiting Graduate Summer Student Application 1999

UNIVERSITY OF MARYLAND, COLLEGE PARK

Questions? Call 1-800-711-UMCP or (301) 405-6551

Are you claiming Maryland residency? yes no (If yes, complete the back of this application)

Have you ever applied to our Graduate School before either as an Advanced Special or Degree Seeking Student? no yes Year _____

Do you qualify for the Golden ID fee waiver? yes no

SOCIAL SECURITY NUMBER

			-			-					
--	--	--	---	--	--	---	--	--	--	--	--

G R A D

SUMMER 1999

Name:

Last Name _____ First _____ Middle _____ Other _____

Present Address: _____ Phone Numbers:
Home () _____

Street _____ Work () _____

City _____ State or Country _____ Zip Code _____ MD County _____

Please check one (see page 1 for more details): <input type="checkbox"/> Visiting Graduate Student <input type="checkbox"/> Institute Student <input type="checkbox"/> Advanced Special Student: (check one) <input type="checkbox"/> a. Bachelor's Degree with 3.0 GPA <input type="checkbox"/> b. Master's or Doctoral Degree <input type="checkbox"/> c. Bachelor's Degree (4 yrs out) <input type="checkbox"/> d. Test Scores, indicated below	Citizenship <input type="checkbox"/> U.S. <input type="checkbox"/> Non-U.S. Non-U.S. Citizens or Permanent Immigrants: Country of Citizenship _____ City and Country of Birth _____ Type of Visa _____ Permanent Alien Registration # _____ Date of Issue _____
--	---

The information in this item is solely for the purpose of determining compliance with Federal civil rights law. Your response will not affect consideration of your application.

Birthdate: ____/____/____

Sex: Male Female

- Race: American Indian/Native Indian Hispanic
 Black, not of Hispanic origin White
 Asian/Pacific Islander

List in chronological order all colleges, universities or other institutions of higher learning which you have attended, including the University of Maryland. An official transcript is required for Advanced Special Student status; an unofficial copy may be attached to expedite the summer registration process. Visiting graduate student applicants must submit a letter of permission from their Dean indicating they are in good standing.

Name of Institution	Location	From	To	Major	Degree	Date Awarded/ Expected	Overall Average

Has disciplinary action been initiated or taken against you at any of the institutions attended, including the University of Maryland?

no yes If yes, please attach a statement describing the incident and its resolution.

Have you ever been indicted for, pleaded guilty to, or been found guilty of any criminal offense excluding minor traffic violations?

no yes If yes, please attach a statement describing the incident and its resolution.

If appropriate, please complete the following and have the testing agency send OFFICIAL test results to the Graduate School. If you have not taken the required examination, indicate when you plan to do so. Our institutional code is 5814.

Graduate Record General (Aptitude) (GRE) Date _____ Verbal _____ Quantitative _____ Analytical _____

Miller Analogies Test (MAT) Date _____ Score _____

Graduate Management Admissions Test (GMAT) Date _____ Score _____

Test of English as a Foreign Language (TOEFL) Date _____ Score _____

(A TOEFL score report must be submitted by all applicants whose native language is not English unless they have a degree from an accredited U.S. institution of higher education)

FOR OFFICE USE ONLY

	F
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	SA

- over -

List any work and military experience (major categories and time periods only) for the past two years.

Title or Person	Employer	State	From	To

MARYLAND RESIDENTS ONLY

The following information is used to determine your eligibility for in-state status for admission and tuition purposes. The University reserves the right to request additional information if necessary.

- Yes No
1. For the most recent 12 months has another person(s) provided half or more than half of your support?
2. Have you been or will you be claimed as a dependent by another person(s) on federal and/or state income tax returns for any of the following years? 1997 Yes No 1998 Yes No
3. If the answer to 1 and/or 2 is yes, indicate name of person who has provided financial support or is claiming you as a dependent.
 Name _____ Relationship to applicant _____

**If you, the applicant, answered "NO" to questions 1 and 2, please complete the following.
 *** IN ALL OTHER CASES *****

The person listed in question 3 should complete the following.

- Yes No
4. Are you or your spouse a full-time resident of the U.S. Armed Forces?
 If yes, you may omit questions 5-16. Please attach a photocopy of most recent orders.
5. Current Residence _____
 Street Address Apt.# City County State Zip M/D/Y M/D/Y
 (Dates Occupied)
6. Previous Residence _____
 Street Address Apt.# City County State Zip M/D/Y M/D/Y
7. Do you own any property outside of Maryland? Date of acquisition _____
 If yes, for what purpose do you hold such property? _____
8. Are you a citizen of the United States?
 a. If non-citizen, type of visa _____ b. Date visa issued _____ c. Expiration date of visa _____
 d. If permanent resident, alien registration number _____ e. Date of issue _____ f. Expires _____
9. Are you registered to vote?
 a. If yes, in what state/country? _____ b. Date of original registration _____
10. Do you possess a valid driver's license?
 a. If yes, in what state was it issued? _____ b. Date of original issue _____
11. Do you own a motor vehicle(s)?
 a. If yes, registered in what state? _____ b. Date of original registration _____
12. Do you have the use of a motor vehicle in another person's name?
 If yes, indicate the name and relationship of person _____
13. Have you paid Maryland income tax for the most recent year on all earned income including all taxable income earned outside the state?
 If no, please state reason _____
14. List actual years and states in which you have filed a tax return in the last 3 years _____
 (State/Country Tax Year) (State/Country Tax Year) (State/Country Tax Year)
15. If employed, is Maryland income tax being withheld?
16. Did you give a Maryland home address on most recent federal and state tax forms?
17. Do you receive any type of financial aid (loans, scholarships, grants) from a state other than Maryland? If yes, from which state? _____
18. Do you receive any public assistance from a state or local agency other than one in the State of Maryland?
 a. If yes, please explain _____

I certify that the information submitted in this application is complete and accurate to the best of my knowledge. I agree to abide by the rules, policies and regulations of the University of Maryland if I am admitted as a student.

Signature _____ Date _____

A non-refundable fee must accompany this application. \$50.00 U.S. Citizens and Permanent Residents.
 \$70.00 International Applicants. Incomplete application will be returned.

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access the
1999 Summer
Course Schedule
on the Web.**

on the Web!



Summer is the perfect opportunity for adding some credits so you can get ahead; or making sure you stay on track by fulfilling any requirements; or you can try something totally different and take a course outside your field of study.

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your summer!

**University of Maryland
Office of Continuing
and Extended Education**

**University of Maryland
Summer Sessions 1999 Catalogue
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your summer!

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