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SUMMER PROGRAMS '90

THE UNIVERSITY OF MARYLAND
COLLEGE PARK

COLLEGE PARK CAMPUS ADMINISTRATION

President

William E. Kirwan

A.B., University of Kentucky, 1960;
M.S., Rutgers University, 1962;
Ph.D., Rutgers University, 1964.

Vice President for Academic Affairs and Provost

J. Robert Dorfman

B.A., Johns Hopkins University, 1957;
Ph.D., Johns Hopkins University, 1961.

Vice President for Administrative Affairs

Charles F. Sturtz

B.A., Wittenberg University, 1958;
M.P.A., Wayne State University, 1961.

Vice President for Student Affairs

William L. Thomas, Jr.

B.S., University of Tennessee, 1955;
M.S., University of Tennessee, 1965;
Ph.D., Michigan State University, 1970.

Acting Vice President for Institutional Advancement

Reese Cleghorn

B.A., Emory University, 1950;
M.A., Columbia University, 1956.

SUMMER PROGRAMS ADMINISTRATION

Administrative Dean for Summer Programs

Melvin Bernstein

B.A., Southwestern at Memphis, 1947
B.Mus., Southwestern at Memphis, 1948
M.Mus., University of Michigan, 1949
M.A., University of North Carolina, 1954;
Ph.D., University of North Carolina, 1964.

Director of Cultural Programs

George A. Moquin

B.A., University of Maryland, 1971.

Assistant Director of Cultural Programs

Donald Reinhold

B.M., Bucknell University, 1974
M.A., University of North Carolina at Chapel Hill, 1980

Director of Finance

David N. Catania

B.S., University of Maryland, 1978.

Director of Intramural Sports and Recreation

Nick Kovalakides

B.S., University of Maryland, 1961;
M.A., University of Maryland, 1968.

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James A. (Dolph) Norton

B.A., Louisiana State University, 1945;
M.A., Louisiana State University, 1946;
M.A., Harvard University, 1949;
Ph.D., Harvard University, 1950.

Deputy Chancellor

Jean E. Spencer

B.A., University of Maryland, 1955;
M.A., University of Maryland, 1961;
Ph.D., University of Maryland, 1965.

UNIVERSITY POLICY STATEMENTS

The provisions of this publication are not to be regarded as a contract between the student and the University of Maryland. Changes are effected from time to time in the general regulations and in the academic requirements. There are established procedures for making changes, procedures which protect the institution's integrity and the individual student's interest and welfare. A curriculum or graduation requirement, when altered, is not made retroactive unless the alteration is to the student's advantage and can be accommodated within the span of years normally required for graduation. When the actions of a student are judged by competent authority to be detrimental to the interests of the university community, that person may be required to withdraw from the university.

The University of Maryland, in all its branches and divisions, subscribes to a policy of equal educational and employment opportunity for people of every race, creed, ethnic origin, and sex.

It is university policy that smoking in classrooms is prohibited. Any student has the right to demand the enforcement of this policy throughout the duration of the class.

Vice Chancellor for Academic Affairs

David S. Sparks

B.S., Grinnell College, 1944;
M.A., Univ. of Chicago, 1945;
Ph.D., Univ. of Chicago, 1951.

Vice Chancellor for Agricultural Affairs

Raymond J. Miller

B.S., University of Alberta, 1957;
M.S., Wash. State University, 1960;
Ph.D., Purdue University, 1962.

Vice Chancellor for General Administration

Donald L. Myers

B.A., Pennsylvania State Univ., 1951;
B.S., N.C. State University, 1961;
M.B.A., U. of Southern California, 1966.

Vice Chancellor for Governmental Relations

Patricia S. Florestano

B.S., University of Maryland, 1958;
M.A., University of Maryland, 1970;
Ph.D., University of Maryland, 1974.

Vice Chancellor for Policy & Planning

Edgar B. Schick

A.B., Muhlenberg College, 1955;
M.A., Rutgers University, 1962;
Ph.D., Rutgers University, 1965.

Vice Chancellor for University Relations

Robert G. Smith

B.S., State University of New York at Geneseo, 1952;
M.A., Ohio University, 1956.

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The University of Maryland is an equal opportunity institution with respect to both education and employment. The University's policies, programs and activities are in conformance with pertinent federal and state laws and regulations on nondiscrimination regarding race, color, religion, age, national origin, sex, and handicap. Inquiries regarding compliance with Title VI of the Civil Rights Act of 1964, as amended, Title IX of the 1972 Education Amendments, Section 504 of the Rehabilitation Act of 1973, or related legal requirements should be directed to the appropriate individual designated below.

Director of the Office of Human Relations
1107 Hornbake Library
University of Maryland, College Park
College Park, Maryland, 20742

Campus Coordinator for 504 of the
Rehabilitation Act of 1973
Room 2101, Main Administration Building
University of Maryland, College Park

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by Patrice Kehoe, Art Department, University of Maryland

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The University reserves the right to change, eliminate, or modify course offerings and programs when in the judgements of the University authorities, circumstances make such action necessary.

SUMMER SESSIONS UNIVERSITY OF MARYLAND COLLEGE PARK CAMPUS

Two Six Week Sessions

SESSION I June 4 - July 13
SESSION II July 16 - August 24

Summer Sessions 1990

The University of Maryland at College Park offers a richly varied summer educational program to its continuing degree students and to qualified non-degree students for both graduate and undergraduate study. Students may select from over 1,000 courses representing 75 academic disciplines and a number of workshops and institutes designed to meet specific needs within disciplines. The summer sessions offer opportunities for degree students to accelerate completion of degrees, to make up deficiencies and requirements, and to broaden programs with studies which otherwise could not be fitted into their academic schedules.

The Summer Programs provide opportunities for non-degree students who may wish to test their abilities to pursue college level study or who may wish to indulge special academic interests. The professional or post-graduate student will find courses and workshops which permit updating of knowledge and techniques in specific disciplines within convenient schedules.

The summer faculty consists of distinguished members of the College Park faculty and outstanding visiting lecturers. In addition to academic studies the Summer Programs seek to provide a total university environment through varied and exciting recreational and cultural programs.

CAMPUS HOLIDAYS

Offices will be closed and there will be no classes.

Wednesday July 4 Independence Day

ON-CAMPUS HOUSING SCHEDULE

March 12	Monday	Summer 1990 <i>Residence Halls Agreement</i> available at Department of Resident Life, 2100 Annapolis Hall (also at center of this catalog). Submission of housing Agreement by lottery deadline of April 28 is advised for higher priority for your assignment preferences.
May 14	Monday	Deadline for release from <i>Summer 1990 Residence Halls Agreement</i> for Session I without financial obligation; written cancellation must be received by Resident Life, 2100 Annapolis Hall.
June 3	Sunday	Residence halls open 12 noon for Session I only residents and for Session I and II residents to claim room assignments.
June 4	Monday	Room assignments in residence halls not claimed by 12 noon are forfeited. "No-show" cancellation charge equal to three weeks' housing cost (\$224.06) is assessed.
June 25	Monday	Deadline for release from <i>Summer 1990 Residence Hall Agreement</i> for Session II without financial obligation; written cancellation must be received by Resident Life, 2100 Annapolis Hall.
July 13	Friday	Residents not remaining in residence halls for Summer Session II must vacate before 7pm.
July 15	Sunday	Residence halls open 12 noon for Summer Session II only new students.
July 16	Monday	Room assignments in residence halls not claimed by 12 noon forfeited. "No-show" cancellation charge equal to three weeks' housing cost (\$224.06) is assessed.
August 24	Friday	Residence halls close 7pm. All residents must vacate their summer assignments.





TUITION AND FEES

ALL STUDENTS

Registration Fee per Session	5.00
Recreation Fee per Session	8.00
Student Health Fee per Session	8.00
Auxiliary Facilities Fee per Session	8.00
Summer Parking Registration Fee (not charged if registered for Fall or Spring Semester) Resident Student	18.00
Commuter Student	10.00

UNDERGRADUATE STUDENTS

Tuition per Credit Hour	106.00
Non-resident Fee per Session (must be paid by all students who are not residents of Maryland)	20.00
Application Fee (New Students)	26.00

GRADUATE STUDENTS

Application Fee (Every student must be admitted)	26.00
Tuition per Credit Hour: Resident Student	125.00
Non-resident Student	226.00
Continuous Registration Fee (Doctoral Candidate)	10.00

ON-CAMPUS HOUSING

Per Six-Week Session	448.14
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OTHER FEES

Graduation Application Fee for Bachelor's Degree	15.00
Graduation Application Fee for Master's Degree	25.00
Graduation Application Fee for Doctor's Degree	25.00
Late Registration Fee	20.00
Service Charge for Dishonored Check (depending on amount of check) up to	50.00

Fees for auditors and courses taken for audit are the same as those charged for courses taken for credit at both undergraduate and graduate levels. Fees for altering academic programs are discussed in the section on Admissions and Registrations. **Although changes in fees and charges ordinarily will be announced in advance, the University reserves the right to make such changes without prior announcement.**



DETERMINATION OF IN-STATE STATUS FOR ADMISSION AND TUITION

The deadline for meeting all requirements for an in-state status and for submitting all documents for reclassification is the last day of late registration of the semester for which the student wishes to be classified as an in-state student.

DEADLINES

Summer Session I, 1988	June 9, 1988
Summer Session II, 1988	July 21, 1988

For further information:

Campus Classification Office
0405 B Marie Mount Hall
University of Maryland
College Park, Maryland 20742
(301) 454-3977

Payment of Fees

Returning students will not be permitted to complete registration until all financial obligations to the University including library fines, parking violation assessments and other penalty fees and service charges are paid in full.

Tuition and fees for summer school courses are due and payable in full at the time of registration. Students who fail to settle their account by 3:00 p.m. of the working day after they register will have their registration cancelled. The University sends bills to students for other financial obligations, i.e. parking tickets, library fines, etc. on a regular basis. A copy of the bill may be obtained by coming Room 1103, Lee Building, Monday through Friday, from 8:30 a.m. to 4:15 p.m.

All checks or money orders should be made payable to the University of Maryland for the exact amount due. The student's social security number must be written on the check. In cases where the University has awarded a grant, scholarship, or work-stipend, the appropriate amount will be deducted on the bill, mailed approximately one month after the start of the semester.

Students will be severed from University services for delinquent indebtedness to the University which occurs or is discovered during a semester. In the event that severance occurs, the individual may make payment during the semester in which services were severed and all these services except housing will be restored. Students removed from housing because of delinquent indebtedness will be placed at the bottom of the waiting list after the financial obligation is satisfied and after reapplying for housing. Students who are severed from University services and who fail to pay the indebtedness during the semester in which severance occurs will be ineligible to pre-register or register for subsequent semesters until the debt is cleared. In the event of actual registration in subsequent semesters by a severed student who had not settled the student account prior to that semester, such registration will be cancelled and no credit will be earned for the semester.

Severance Fee: \$25.00. Students who fail to pay the balance due on their accounts will have their University services severed. In order to have the services restored, students will be required to pay the total amount due plus the \$25.00 Severance Fee.

Late Payment Fee: Students who fail to pay the balance due on their accounts are subject to a late fee of 5% of the outstanding balance or \$5.00, whichever is greater.

In accordance with State law, the accounts of delinquent and severed students are referred to the State Central Collections Unit in Baltimore for collection and legal follow-up. Costs incurred in collecting delinquent accounts are charged to the student. Collection costs are normally 15% plus any attorney and/or court fees. Changes in Maryland law allow the central collection unit to block issuance of Maryland state income tax refunds for individuals with delinquent accounts. In addition, the State of Maryland has implemented a system whereby unpaid parking tickets issued on state property may result in the withholding of motor vehicle tags until such time as the tickets are paid.

No degree will be conferred, no grade issued, nor any diploma, certificate, or transcript of record issued to a student who has not made satisfactory settlement of his or her account.



DIRECTORY OF INFORMATION SERVICES

General Information	454-3311
Summer Programs Office	454-3347
Admissions	
Office of Undergraduate Admissions	
Mitchell Building	454-5550
Graduate Admissions	
Lee Building	454-3141
Graduate Records	454-5428
Housing	
Off-Campus	454-3645
On-Campus	454-2711
Registration	
North Administration Bldg	454-5559
Undergraduate Studies	454-2530
College of Agriculture	454-3708
College of Arts and Humanities	454-2737
College of Behavioral and Social Sciences	454-2301
College of Business and Management	454-4314
College of Computer, Mathematical and Physical Sciences	454-4596
College of Education	454-2011
College of Engineering	454-2421
College of Human Ecology	454-2136
College of Journalism	454-2228
College of Library and Information Services	454-3016
College of Life Sciences	454-5257
College of Physical Education, Recreation and Health	454-5616
Computer Science Center	454-2002
Institute of Criminal Justice and Criminology	454-4538
Institute of Urban Studies	454-5718
School of Architecture	454-3427
University College	985-7000

SUMMER SESSIONS IMPORTANT DATES

SUMMER SESSION I

March 26 - May 21	Mail-in Registration; Requests processed daily
March 26 - June 1	Walk-in Registration — 9-45 am; 1-3 pm. Room 1130 Mitchell Building
June 4	Classes begin.
June 4 - June 8	Late Registration (with a \$20.00 Late Fee). Room 1130 Mitchell Building

SUMMER SESSION II

March 26 - July 3	Mail-in Registration; Requests processed daily
March 26 - July 13	Walk-in Registration—9 11:45 am; 1-3pm. Room 1130 Mitchell Building
July 16	Classes begin.
July 16 - July 20	Late Registration (with a \$20.00 Late Fee). Room 1130 Mitchell Building

NOTE: The University will be closed May 28 for Memorial Day, July 4 for Independence Day.

SUMMARY OF DEADLINES FOR SUMMER 1990

Type of Change	Last Day to Process Change	
	SS I	SS II
Add a course	June 8	July 20
Apply for August 1990 Graduation	July 20	July 20
Cancel Registration with 100% refund	June 1	July 13
Change Credit Level	June 8	July 20
Drop a course - Undergraduate Student without "W" Mark	June 8	July 20
with "W" Mark	June 28	August 9
Drop a course - Graduate Student (Graduate Student does not receive a "W" mark.)	June 28	August 9
Drop a course with a \$2.00 fee	June 28	August 9
Drop a course with (100%) refund	June 1	July 13
Drop a course with (70%) refund	June 8	July 20
Change Grading Option	June 8	July 20
Process a Late Registration	June 8	July 20
Change Sections (Department Approval Required)	July 13	August 24
REFUNDS FOR WITHDRAWAL FROM ALL COURSES		
Withdraw from all classes with 100% refund	June 1	July 13
Withdraw from all classes with 70% refund	June 8	July 20
Withdraw from all classes with 50% refund	June 15	July 27
Withdraw from all classes with 20% refund	June 22	August 3
Withdraw from all classes with 0% refund	July 13	August 24

NOTES:

1. Courses that do not conform to the regular Summer I and II beginning and ending dates are considered "non-standard" courses. Deadlines for non-standard courses vary, depending on the course. Contact the Office of Registrations for specific deadline dates. See Page 6 for more information.
2. Registration and Schedule Adjustment transactions are complete when payment has been made and the Registration Forms have been validated by the Registrations Office.

SUMMER 1990 REGISTRATION PROCEDURES

Note: LOCATION FOR REGISTRATION

All registration, drop, add, and section change activity will occur in the Registrations Office, Room 1130, Mitchell Building. Payment must be made in the Bursar's Office, Lee Building, at the time of registration.

Instructions are outlined below for both Mail-In and Walk-In registration methods.

Students are eligible to register if they were enrolled Spring 1990 or have processed admission or readmission forms:

Students registered at the College Park Campus for the Spring 1990 Semester should follow the registration procedures outlined below.

Former students who were **not registered for the Spring 1990 Semester** must follow the readmission/reinstatement information on page 8 of the catalog before registering.

New students must read the admissions information on page 8 and 9 of the catalog before registering.

Payments must accompany all mail-in registrations.

A. WALK-IN REGISTRATION

WHO?

Any student eligible to attend the University of Maryland, College Park campus except: *Students owing an outstanding debt to the University.*

WHERE?

Registrations Office
Room 1130
Mitchell Building

WHEN?

Summer Session I

March 26 - June 1; 9:00 - 11:45 a.m.
1:00-3:00 p.m.

Summer Session II

March 26 - July 13; 9:00-11:45 a.m.
1:00-3:00 p.m.

HOW?

- Go to Room 1130, Mitchell Building, where you will receive confirmation of course availability. If admission or readmission action is necessary, you will be referred to the proper office.
- BY 3 PM OF THE NEXT WORKING DAY** pay your bill at:
The Bursar's Office, Room 1103, Lee Building, between 9 a.m. and 3 p.m.
Obtain a copy of your current Student Account Receivable (SAR Account) and pay this amount plus your summer school bill at the Cashier's Office.
NOTE: If you have financial aid, go to the Financial Aid Office, Mitchell Building, 2nd floor Counter, prior to going to the Bursar's Office.
- Once your bill is paid at the Cashier's Office, you will receive course verification and a validated ID for the summer.

STUDENTS WHO DO NOT GO TO THE BURSAR'S OFFICE BY 3 PM OF THE NEXT WORKING DAY AND PAY THEIR BILL WILL HAVE COURSE REQUESTS CANCELLED. PAYMENTS MADE ON OR AFTER JUNE 4 FOR SSI AND JULY 16 FOR SSIH WILL HAVE A \$20 LATE FEE ASSESSED.

B. MAIL-IN REGISTRATION

WHO?

Any student eligible to attend the University of Maryland, College Park Campus except: *Students owing an outstanding debt to the University.*

WHEN?

Must be postmarked from:
March 26 - May 21 for Summer Session I.
March 26 - July 3 for Summer Session II.

WHERE?

All materials should be returned to:
Office of the Bursar, Lee Building
University of Maryland
College Park, Maryland 20742

A return envelope is provided in the center of this catalog for your convenience.

HOW?

- Complete the Schedule Request and Estimated Bill Form in the center of this catalog for the session you wish to attend.
USE ONE FORM FOR EACH SESSION.
- Return the following in the enclosed envelope:
 - Schedule Request and Estimated Bill Form(s)
 - Admission Application, if necessary
 - Check made payable to the UNIVERSITY OF MARYLAND. Write your SOCIAL SECURITY NUMBER on the check.
- Confirmation of your requested schedule and a Summer ID card will be sent to you by mail. If confirmation is not received within 2 weeks, please call the Office of Registrations, 454-5225, for immediate assistance.
- The Office of the Bursar will notify you of any incorrect payments or adjustments to your account, such as additional charges, refunds, and credits.
- Any outstanding debt to the University will be deducted from payment submitted and the remainder applied to your summer school charges.

PLEASE NOTE: Registration material received by mail will be returned to the sender if information is incomplete, and your registration will be voided.

LATE REGISTRATION

SUMMER SESSION I—A late fee of \$20.00 is assessed for registration on or after the first day of instruction, June 4. Special permission of the dean must be obtained prior to registration after June 8.

SUMMER SESSION II—A late fee of \$20.00 is assessed for registration on or after the first day of instruction, July 16. Special permission of the dean must be obtained prior to registration after July 20.

PROCEDURES:

1. Go to Room 1130, Mitchell Building, where you will receive confirmation of course availability. If admission or readmission action is necessary, you will be referred to the proper office.
2. **BY 3 P.M. OF THE NEXT WORKING DAY** pay your bill at:
 - The Bursar's Office, Room 1103, Lee Building, between 9 a.m. and 3 p.m. Obtain a copy of your current Student Account Receivable (SAR Account) and pay this amount plus your summer school bill at the Cashier's Office.

NOTE: If you have financial aid, go to the Financial Aid Office, Mitchell Building, 2nd floor counter, prior to going to the Bursar's Office.
3. Once your bill is paid at the Cashier's Office, you will receive course verification and a validated ID for the summer.

STUDENTS WHO DO NOT GO TO THE BURSAR'S OFFICE BY 3 PM OF THE NEXT WORKING DAY AND PAY THEIR BILL WILL HAVE COURSE REQUESTS CANCELLED. PAYMENTS MADE ON OR AFTER JUNE 4 FOR SUMMER SESSION I OR JULY 16 FOR SUMMER SESSION II WILL HAVE A \$20 LATE FEE ASSESSED.

COURSE REGISTRATION IS ONLY COMPLETE AND OFFICIAL WHEN ALL FEES ARE PAID.

NONSTANDARD DATE COURSE REGISTRATION

Courses which vary in beginning dates from the starting dates for each Summer Session will be available for registration at the normal registration period for each session. Additionally, registration will be available on the first day of each class or an alternate day if requested by the department or instructor. Courses which vary in length from the regular Summer Session will have late registration, schedule adjustment, and other dates adjusted proportionally to the length of the course. Contact the Office of Registrations for specific dates. Grades for nonstandard date courses ending after the regular session in which they begin will be posted after the regular session grade reports are mailed. Students desiring official notification of grades in these courses should request an unofficial transcript approximately two (2) weeks after the course ends. Instructors of these courses will receive information on various deadlines. Please check with the department in late spring 1989 concerning specific questions.

CANCELLATION OF SUMMER SCHOOL 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 should be sent by **Registered Mail** to:

OFFICE OF REGISTRATIONS
Rm 1130, MITCHELL BLDG.
UNIVERSITY OF MARYLAND
COLLEGE PARK, MD. 20742

WITHDRAWAL FROM SUMMER SCHOOL

Students who wish to terminate their registration 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 enrolled.

1. Students withdrawing from a Summer Session must complete a Withdrawal Form which may be obtained at Room 1101 Mitchell Building.
2. Withdrawal becomes effective on the date the form is filed with the Records Office.
3. Registration, Recreation and Health Fees are not refundable.

The chart below indicates the percentage of tuition which will be credited upon withdrawal.

SUMMER SESSION I	
June 4-June 8	70%
June 11-15	50%
June 18-22	20%
July 13	00%
SUMMER SESSION II	
July 16-20	70%
July 23-27	50%
July 30-Aug. 3	20%
Aug. 24	00%

Withdrawals from workshops or institutes must be effected prior to the first day of the workshop in order to receive a refund. After a workshop has begun no refund will be granted.

WITHDRAWAL FROM SUMMER SESSIONS DOES NOT AFFECT REGISTRATIONS FOR FALL SEMESTER 1990 COURSES.

REQUESTING REFUND OF TUITION

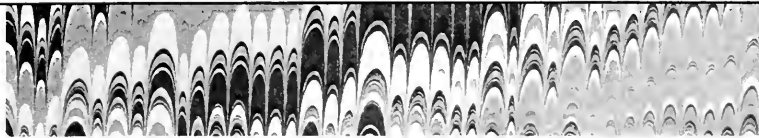
To obtain a refund of a credit balance, a **STUDENT** must request the refund in writing. This can be done by (1) addressing a letter to: Office of the Bursar, University of Maryland, College Park, MD 20742, or (2) completing a request for refund form available at the Student counter, 1103 Lee Building or the Records or Current Registrations Office, first floor, Mitchell Building. **NO CREDIT BALANCE IS AUTOMATICALLY REFUNDED.** Approximately 6 to 8 weeks is required from the time a credit balance appears on the account and a refund request is received until a check is mailed from the state Treasurer's Office in Annapolis. **THE CHECK WILL BE MADE PAYABLE TO THE STUDENT** and mailed to the address requested by the student on the refund form. Refund checks will not be mailed to a campus address.

CHANGE OF ADDRESS PROCEDURE

Changes in either local mailing address or permanent address can be processed **AT ANY TIME DURING THE SEMESTER IN WHICH THEY OCCUR**. Address changes are posted to the computer by the Office of the Bursar. Address Change Forms are available at the following places:

1. Office of the Bursar, Address Unit, Lee Building, Room 1121 or 1103, 8:30 a.m. to 4:15 p.m., Monday-Friday.
2. Registrations Counter, Mitchell Building, First Floor Lobby, 8:30 a.m.-4:30 p.m., Monday-Friday.
3. Deans' Offices, 8:30 a.m.-4:30 p.m., Monday-Friday.
4. STAR CENTER, Student Union, Room 1122, 9:00 a.m.-4:00 p.m., Monday-Friday.

Since many University communications to students are handled through the mail, it is imperative that accurate, and 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 Registration Counter.



THIS SUMMER AT TAWES,
THE WORLD'S BEST PIANISTS,
AMERICA'S MOST TALENTED
YOUNG ORCHESTRAL MUSICIANS,
THE PAUL WINTER CONSORT AND
THE EMPIRE BRASS ARE HERE TO
ENTERTAIN YOU

*complimentary tickets available - for
more information, turn to page 24*



UNDERGRADUATE ADMISSION INFORMATION

The following is designed to help you, the prospective summer school student, to determine how or whether to use the admission application found in this catalog. *Registration information is on pages 4-6. "Summer Only" admission and registration forms are in center section form booklet.*

IF YOU ARE NEW TO UMCP

AND ARE A:

1. VISITOR from another college or university

ADMISSION REQUIREMENTS AND PROCEDURES

- Complete enclosed undergraduate application
- Must be in good standing at parent institution
- If you are on an F-1 visa a letter of permission is required
- A non-refundable \$25 application fee is required if you have never enrolled at any campus of the University of Maryland
- No transcripts required
- It is your responsibility to verify acceptability by parent institution of credits earned at UMCP

2. UNIVERSITY COLLEGE student:

- Must present letter of permission from UMUC to register
- No application required
- No transcripts required

3. GRADUATE FROM ANOTHER COLLEGE OR UNIVERSITY:

- Complete enclosed undergraduate application
- A non-refundable \$25 application fee is required if you have never enrolled at any campus of the University of Maryland
- No transcripts are required
- * See Graduate Study if wishing to attempt graduate level (500-above) courses

4. TEACHER SEEKING CERTIFICATION FOR PROFESSIONAL ADVANCEMENT including those who have been admitted for a previous summer term as "term only" and those who have never been enrolled at UMCP:

- Same as in number 3 above.

5. HIGH SCHOOL GRADUATE:

- Must have a minimum of a "C" average in academic subjects
- Complete enclosed undergraduate application
- A non-refundable \$25 application fee is required if you have never enrolled at any campus of the University of Maryland
- No transcripts required
- * Full admission is prerequisite for Fall 1990 enrollment. Please visit the Office of Undergraduate Admission, Lower Level, Mitchell Building.

6. HIGH SCHOOL STUDENT ENTERING YOUR JUNIOR OR SENIOR YEAR:

- Must have a minimum of a "B" average in academic subjects
- Complete regular admission application obtainable from Office of Undergraduate Admissions, Lower Level, Mitchell Building.
- Official High School transcripts required
- A non-refundable \$25 application fee is required if you have never enrolled at any campus of the University of Maryland.
- Students who wish to continue in the Fall semester must apply by August 1.

7. NEWLY ADMITTED FALL 1990 STUDENT:

- no application required
- must present letter of admission for Fall, 1990

IF YOU ARE A UMCP STUDENT OR A FORMER UMCP STUDENT...

AND:

1. Attended UMCP previously as a "Term Only" registrant...
Must present letter of admission to register.
2. You were *not* enrolled the Spring 1990 semester and you are in good academic standing, or on academic probation and did not withdraw your last semester.
Must present letter of readmission to register.
3. Attended UMCP this past Spring 1990 semester and you were not academically dismissed (this includes students who graduated May 1989).
Must present ID card to register.
4. Attended UMCP Spring 1990 semester and either withdrew or you were academically dismissed at the end of Spring 1990.
Must present ID card to register.
5. Were dismissed or withdrew from UMCP prior to the Spring 1990 semester (and did not attend Spring 1990).

ADMISSION REQUIREMENTS AND PROCEDURES

- Complete enclosed undergraduate application
- Complete enclosed undergraduate application
- No application required for Summer Session registration
- No application required for Summer Session registration
- * However, reinstatement is a prerequisite for Fall 1990 registration
- Must be reinstated through Reenrollment Office, Office of Undergraduate Admissions, Lower Level, Mitchell Building, by below deadlines:
For Summer Session I - April 15, 1990
For Summer Session II - May 15, 1990

GRADUATE ADMISSIONS INFORMATION

Registration information is on pages 4-6. Summer Only forms for admission and registration are in the center section form booklet.

The "Summer Only" application is designed for first-time, non-degree students in the following categories:

Admission Status

ADVANCED SPECIAL STUDENTS

(first enrollment on campus)

Advanced Special Student Status is not intended as a qualifying program for degree programs. If the student is subsequently accepted for degree or certificate study, no more than 6 credits earned in the Advanced Special Student Status may be applicable to the new program with the approval of the departmental faculty.

ADVANCED SPECIAL STUDENTS

(Previously enrolled on campus—graduate admission no longer valid)

SPECIAL SUMMER INSTITUTE PARTICIPANTS

VISITING GRADUATE STUDENTS

(Other Colleges and Universities)

Admission Requirements and Procedures

- complete the enclosed application
- submit \$25 application fee
- meet *one* of the following criteria:
 - a. Hold a baccalaureate degree from a regionally accredited institution with an overall "B" (3.0) average (official transcript required).
 - b. Hold a master's or doctoral degree from a regionally accredited institution (official transcript required).
 - c. Hold a baccalaureate degree from a regionally accredited institution and have at least four years of successful post-baccalaureate work or professional experience (official transcript required).
 - d. Achieve a score that places the applicant in the upper 50 percentile of appropriate national standardized aptitude examinations such as the Graduate Record Examination, The Miller Analogies Test, the Graduate Management Admissions Test (Official test transcripts are required).
- complete the enclosed application
- contact institute director for special procedures
- complete the enclosed application
- provide letter of permission from parent institution
- submit \$25 application fee

The "Summer Only" application in this booklet is **NOT** appropriate for the following students:

VISITING GRADUATE STUDENTS

(Other campuses of the University of Maryland)

CURRENT UMCP GRADUATE STUDENT IN GOOD STANDING

UMCP GRADUATE STUDENT—TIME LIMITS EXPIRED

UMCP GRADUATE STUDENT WHO WISHES TO CHANGE PROGRAM/DEPARTMENT OR DEGREE REQUIREMENTS

APPLICANTS FOR DEGREE PROGRAMS WHO WISH TO BEGIN STUDY IN SUMMER SESSION

- no application required
- obtain intercampus registration form from your Graduate Dean
- obtain necessary authorizations on the home campus, then proceed to UMCP Graduate School for clearance
- no application required
- contact academic advisor to discuss possibilities for an extension
- must file regular Graduate School application
- must meet departmental requirements and deadlines
- must file regular Graduate School application
- must meet departmental requirements and deadlines
- must submit \$25 application fee

If you do not find a situation listed above that is applicable to you, or if you need additional information, write or call:

THE GRADUATE SCHOOL
Lee Building
University of Maryland
College Park, Maryland 20742
(301) 454-3141

FOREIGN STUDENTS ADMISSION INFORMATION

Students on F-1 (student) visas who wish to attend the University of Maryland, College Park for the Summer Sessions only must present a letter from the Dean/Chairperson of their academic department at the college or university that they are currently attending. The letter should state the institution is aware that the student is applying to UMCP's Summer Session and will return to the same institution in the Fall term. Before applying for Summer School only, foreign students must be enrolled in an academic program at another degree institution, not in an English as a second language program.

Foreign students on F-1 (student) visas who wish to apply to begin their studies at the University of Maryland, College Park on a full-time degree-seeking basis must apply for the fall semester. If their admission is completed prior to the beginning of the Summer Session, undergraduate foreign students already in the U.S. may use their fall letter of admission to enroll in coursework offered during the Summer Session. Graduate foreign students should contact the Graduate School in the Lee Building prior to registration.

COLLEGE/MAJOR (COURSE OF STUDY)

UNDERGRADUATE STUDENTS ONLY:

College and Major (Course of Study) changes may be made at any time, the only restrictions being Board of Regents limitations on enrollment. If you wish to initiate a change in your College and/or Major (Course of Study):

1. Go to a College office or the Registrations Office, first floor lobby, Mitchell Building, to obtain the College/Major (Course of Study) Change Form. College office locations are listed below.
2. Complete the information requested on the form. (All necessary information is on the form.)
3. Take the completed form to your new College if you are changing Colleges. If you are changing Major (Course of Study) only, take completed form to your present College.

College	Location
Agriculture	1116 Symons
Allied Health	2106 Turner
Architecture	1204 Architecture
Arts & Humanities	1111 Francis Scott Key
Behavioral & Social Sciences	2115 Tydings
Business & Management	2136 Tydings
Education	1210 Education
Engineering	1131 Engr. Classroom Bldg.
General Studies/Individual Studies	1115 Hornbake Library
Human Ecology	1100 Marie Mount Hall
Journalism	2109 Journalism
Library & Information Services	4105 Hornbake Library
Life Sciences	1110 Symons
Mathematical & Physical Sciences	2300 Math
Physical Education, Recreation & Health	3310 Physical Education, Recreation & Health Building
Undergraduate Studies-	1117 Hornbake Library
"Undecided" Undergraduates	

GRADUATE PROGRAMS

The Graduate School offers degree programs at both the master's and doctoral level, as well as professional certificates in selected fields. Listed below are the current graduate departments and programs at College Park. People interested in information about any of these programs and the degrees offered should contact the individual department by addressing an inquiry to: Graduate Director, Department of _____, University of Maryland, College Park, Maryland 20742. Application forms for regular degree programs may be obtained from the Graduate School or the department.

N.B. If you wish to change programs or degree objectives, you must submit a new application to the Graduate School. Current deadlines for new applications apply.

Animal Sciences	Measurement & Statistics (Education)	Library & Information Services
Agricultural & Extension Education	Education Policy, Planning, and Administration	Linguistics
Agronomy	Special Education	Applied Mathematics
American Studies	Aerospace Engineering	Mathematics
Anthropology	Agricultural Engineering	Marine, Estuarine, and Environmental Science
Architecture	Civil Engineering	Meteorology
Agricultural & Resource Economics	Chemical Engineering	Microbiology
Art History	Electrical Engineering	Molecular and Cellular Biology
Studio Art	Engineering Materials	Music
Astronomy	Mechanical Engineering	Nutritional Sciences
Biochemistry	Nuclear Engineering	Public Communications
Botany	English Language & Literature	Physical Education
Business and Management	Entomology	Philosophy
Business and Management/Law	Food Science	Physics
Business and Management/Public Management	Family & Community Development	Policy Studies
Chemistry	French Language and Literature	Poultry Science
Chemical Physics	Geography	Psychology
Classics	Geography/Library and Information Services	Public Management
Comparative Literature	Geology	Public Management/Law
Communication, Arts & Theatre	German Language & Literature	Public Policy
Community Planning	Government & Politics	Recreation
Computer Science	Hearing and Speech Science	Sociology
Criminal Justice and Criminology	History	Spanish Language & Literature
Dairy Science	History/Library and Information Services	Mathematical Statistics
Economics	Health Education	Textiles & Consumer Economics
Curriculum & Instruction	Horticulture	Toxicology
Counseling and Personnel Services	Human Nutrition and Food Systems	Urban Studies
Human Development Education	Journalism	Zoology
Industrial, Technological and Occupational Education		

*"I am convinced that the arts -
and Nature - are a communication
about our wisdom and our values,
and our love."*

Paul Winter

THE PAUL WINTER CONSORT

Tawes Theatre, University of Maryland
Saturday, July 7, 8:15 p.m.



ACADEMIC INFORMATION

The information given below is taken from *Academic Regulations*, a complete statement of which may be found in the Undergraduate and Graduate catalogs.

Beginning in the Fall of 1990, newly entering students will be required to meet a new set of general education requirements formally known as "Core Liberal Arts and Science Studies" or the CORE program. Further information about these new requirements can be obtained by calling the Associate Dean for Undergraduate Studies at x5893.

THE UNIVERSITY STUDIES PROGRAM

Virtually all American colleges and universities ask that students receiving a baccalaureate degree complete a common set of requirements. These common requirements are usually referred to by the generic term "general education." General education requirements represent a faculty's definition of the knowledge, awareness and skills that all graduates should possess before that faculty will give its consent to the awarding of a degree. General education is that portion of the degree requirements in which the entire faculty has a concern.

The University Studies Program is the general education requirement at the University of Maryland, College Park. This program must be completed by all students who began baccalaureate study after May 1980 with eight or fewer credits from this or any other college. It is intended to provide students with the intellectual skills and conceptual background basic to an understanding of the universe, society and themselves. The focus is not on any particular bodies of knowledge for almost any subject matter can lead to an awareness of general modes of understanding the world. Thus, for example, it does not matter whether the student studies physics or botany as long as he or she comes away from the course with some understanding of the power of the empirical investigation that characterizes science.

The University Studies Program has three parts. The "Fundamental Studies" section of the program is intended to establish the student's ability to participate in the discourse of the university through demonstrated mastery of written English and mathematics. Those requirements are to be completed early in the student's program in order to serve as a foundation for subsequent work.

The "Distributive Studies" requirement is intended, through study in particular disciplines, to acquaint students with the different ways of analyzing and talking about the world that characterize the three areas into which the university's knowledge is traditionally divided: the physical and biological sciences, the social and behavioral sciences, and the arts and humanities. The fourth category, "History and Culture," includes courses that lead to the consideration of historical and cultural differences and the relationship of our own society to those of other times and places.

In fulfilling "Distributive Studies" requirements, students will have gained some experience of the way in which scholars in different kinds of disciplines make and organize observations about the world and arrive at general statements. It is the purpose of "Advanced Studies" courses to show how these different intellectual approaches compare with each other or may be used in complementary ways to analyze and solve problems. "Development of Knowledge" courses deal with the basis upon which people who use these different approaches claim to know something and the different kinds of insights to which these intellectual strategies lead. "Analysis of Human Problems" courses consider these matters in terms of specific cultural, social, scientific or aesthetic problems which may be approached from several points of view.

The University Studies requirements, designed to be spread throughout the student's four years, represent a third of the total academic work required for graduation. It is the purpose of this program, in combination with the extensive work of the major, to help prepare students to become productive, aware and sensitive members of society, capable of understanding their world and the many kinds of people in it and of taking responsibility for their own decisions and their own lives.

OUTLINE OF THE PROGRAM

These requirements are effective for students beginning baccalaureate study in May, 1980 or thereafter.

- FUNDAMENTAL STUDIES - 9 credits. (Except for ENGL 391 or 393, this requirement must be attempted by the time the student has completed 30 credit hours and passed successfully by the time the student has completed 60 credit hours.)

A. English Composition - 6 credits.

- ENGL 101 - 3 credits.
 - Students with TSWE scores below 33 take ENGL 104-105-106 (1 credit each)
 - Students with SAT verbal scores of 600 or above are exempt.
 - Students with AP scores of 4 or 5, or an AP of 3 plus SAT

verbal scores of 600 or above are exempt and earn 3 credits for ENGL 101 and 3 credits for ENGL 102.

- ENGL 391 (Junior Level Expository Writing) or 393 (Technical Writing) - 3 credits

- Must be taken *after* the student has completed 56 credit hours (i.e., has reached junior standing).
- Students with SAT verbal scores of 700 or above or a grade of A in ENGL 101 or AP scores of 4 or 5 are exempt.

B. Mathematics - 3 credits.

Math 110 (or the modular equivalent Math 102-3-4) or MATH 115

- Students with the following minimum examination scores or higher are exempt:
 - SAT: 600
 - College Board Achievement Tests in Mathematics, Level I or II: 600
 - Advanced Placement Examinations, Calculus AB or BC: 3
 - Any CLEP Subject Examination in Mathematics: 60
- Successful completion of any of the following entry level courses higher than MATH 110: MATH 111, 140, 141, 150, 151, 220, 221, 240, 241, 246, 250, 251; STAT 100, 250.

II. DISTRIBUTIVE STUDIES - minimum: 24 credits.

- Culture and History (min. 6 credits, 2 courses)
- Natural Sciences and Mathematics (min: 6 credits, 2 courses) One course must be a laboratory science.
- Literature and the Arts (min: 6 credits, 2 courses) Courses must be taken in two different departments, except honors courses.
- Social and Behavioral Sciences (min: 6 credits, 2 courses)

III. ADVANCED STUDIES - 6 credits.

This requirement may be fulfilled only after the student has completed 56 credit hours. It is intended that, in fulfilling this requirement, students choose courses that offer a contrast to the major rather than supplementing it. Courses to fulfill these requirements must be from two different units outside the department of the student's major.

- The Development of Knowledge (1 course; 3 credits). Courses which focus on the creation, discovery, exploration, testing and evaluation of knowledge in one or more disciplines.
- The Analysis of Human Problems (1 course, 3 credits). Courses which focus on the application of knowledge from one or more disciplines to the study of important human problems.

Courses to meet these requirements may be chosen from the following list. Consult the Schedule of Classes for course descriptions. For a complete listing of all USP courses see the Undergraduate Catalog and/or the Spring Schedule of Classes.

Distributive Studies (A) Cultural and Historical—Approved Courses

AMST	201	Introduction to American Studies I
AMST	205	Material Aspects of American Life
CHIN	101	Elementary Chinese I
CHIN	102	Elementary Spoken Chinese
CHIN	103	Elementary Written Chinese
CLAS	170	Greek and Roman Mythology
FMCD	330	Family Patterns
FREN	101	Elementary French I
FREN	102	Elementary French II
FREN	103	Review of Elementary French
FREN	203	Intermediate French
FREN	312	French Conversation: Current Cultural Events
GEOG	202	The World in Cultural Perspective
GEOG	324	Europe
GERM	101	Elementary German I
GERM	102	Elementary German II
GERM	104	Intermediate German
GVPT	240	Political Ideologies
HEBR	111	Elementary Hebrew I
HEBR	112	Elementary Hebrew II
HIST	111	The Medieval World
HIST	113	Modern Europe, 1789-present
HIST	156	History of the United States to 1865
HIST	211	Women in America since 1880
HIST	237	Russian Civilization
ITAL	101	Elementary Italian I
JAPN	101	Elementary Japanese I
JAPN	102	Elementary Japanese II
JAPN	201	Intermediate Spoken Japanese I
JAPN	202	Intermediate Written Japanese I
JAPN	203	Intermediate Spoken Japanese II
JAPN	204	Intermediate Written Japanese II
LATN	220	Intermediate Intensive Latin
PHIL	100	Introduction to Philosophy

PORT	101	Elementary Portuguese I
RUSS	101	Elementary Russian I
RUSS	102	Elementary Russian II
SPAN	101	Elementary Spanish I
SPAN	102	Elementary Spanish II
SPAN	203	Intermediate Spanish I
SPAN	204	Review of Oral and Written Spanish
SPAN	311	Advanced Conversation I
SPAN	312	Advanced Conversation II
TEXT	363	History of Textiles
THET	310	The American Theatre

Distributive Studies (B) Natural Sciences and Mathematics — Approved Courses

Lab Sciences

ASTR	100	Introduction to Astronomy
ASTR	110	Astronomy Laboratory
BIOL	105	Principles of Biology I
BIOL	106	Principles of Biology II
BOTN	100	General Botany for Non-Science Students
CHEM	103	General Chemistry I
CHEM	104	Fundamentals of Organic and Biochemistry
CHEM	113	General Chemistry II
GEOL	110	Physical Geology Laboratory
MICB	200	General Microbiology
PHED	360	Physiology of Exercise
PHYS	121	Fundamentals of Physics I
PHYS	122	Fundamentals of Physics II
PHYS	262	General Physics: Vibrations, Waves, Heat, Electricity and Magnetism
ZOOL	210	Animal Diversity

Non-Lab Sciences and Mathematics

ASTR	100	Introduction to Astronomy
ENES	121A	The Man-Made World
ENTM	100	Insects
GEOL	100	Physical Geology
HESP	305	Anatomy & Physiology of the Speech Mechanism
MATH	141	Calculus II
MATH	210	Elements of Mathematics
MATH	211	Elements of Geometry
MATH	221	Elementary Calculus II
MATH	240	Introduction to Linear Algebra
MATH	241	Calculus III
MATH	246	Differential Equations for Scientists and Engineers
NUTR	100	Elements of Nutrition
PHYS	161	General Physics
SOCY	201	Introductory Statistics for Sociology

Distributive Studies (C) Literature and the Arts—Approved Courses (must be taken in two different departments)

ARCH	170	Introduction to the Built Environment
ARTH	100	Introduction to Art
ARTH	200	History of Art I
ARTH	201	History of Art II
ENGL	202	World Literature: The Renaissance to the Present
ENGL	205	Introduction to Shakespeare
ENGL	222	American Literature
ENGL	240	Introduction to Literary Forms: Fiction, Poetry, Drama
ENGL	243	Introduction to Poetry and Poetics
ENGL	246	The Short Story
ENGL	301	Critical Methods in the Study of Literature
ENGL	462	Folksong and Ballad
FREN	250	Readings in French
HORT	160	Introduction to the Art of Landscaping
MUSC	130	Survey of Music Literature
MUSC	140	Music Fundamentals I
RTVF	314	Introduction to the Film
SPAN	221	Readings in Spanish
SPAN	321	Survey of Spanish Literature
SPAN	322	Survey of Spanish Literature 18th–20th Century
SPAN	324	Survey of Spanish Literature II
THET	110	Introduction to the Theatre
WMST	250	Introduction to Women's Studies

Distributive Studies (D) Social and Behavioral Sciences—Approved Courses

ANTH	241	Introduction to Archeology
CIUS	100	Introduction to Law Enforcement
CNEC	100	Introduction to Consumer Economics
CRIM	220	Criminology
ECON	201	Principles of Economics I
ECON	203	Principles of Economics II
ECON	205	Fundamentals of Economics
ECON	310	Evolution of Modern Capitalism in Western Europe and United States
ECON	311	American Economic Development
EDHD	306	A Study of Human Behavior
EDHD	330	Human Development and Societal Institutions

FMCD	250	Decision Making in Families and Communities
FOOD	110	Food for People
GEOG	100	Introduction to Geography
GEOG	203	Economic Geography
GVPT	100	Principles of Government and Politics
GVPT	170	American Government
GVPT	300	International Political Relations
HESP	120	Introduction to Linguistics
HIST	157	History of the U.S. Since 1865
HLTH	230	Introduction to Health Behavior
HLTH	285	Controlling Stress and Tension
LING	200	Introduction to Linguistics
PHED	350	Psychology of Sport
PHED	385	Motor Learning and Skilled Performance
PHIL	140	Contemporary Moral Issues
PSYC	100	Introduction to Psychology
PSYC	221	Socio-psychology
PSYC	310	Perception
PSYC	353	Adult Psychopathology
PSYC	355	Child Psychology
RECR	130	History and Introduction to Recreation
SOCY	100	Introduction to Sociology
SOCY	105	Introduction to Contemporary Social Problems
SOCY	300	American Society
SOCY	327	Introduction to Study of Deviance
URBS	100	Introduction to Interdisciplinary Urban Studies
URBS	210	Behavioral and Social Dimensions of the Urban Community
WMST	200	Introduction to Women's Studies: Women and Society

Advanced Studies: Development of Knowledge

AMST	428A	American Cultural Eras: Social Dramas in American Cultural History
ANTH	401	Cultural Anthropology: Principles and Process
ASTR	330	Solar System Astronomy
ASTR	380	Life in the Universe
EDMS	451	Introduction to Educational Statistics
ENGL	320	Literature of the Romantic Period
ENGL	379E	Special Topics in Literature: Film Analysis—The Rhetoric of Fictional Worlds
ENGL	412	Literature of the Seventeenth Century, 1600-1660
ENGL	432	American Literature, 1865-1914, Realism and Naturalism
ENGL	489A	Special Topics in English Language: The Language of Advertising
GVPT	442	History of Political Theory—Modern and Recent
HLTH	498T	Special Topics in Health: Ways of Knowing about Human Stress and Tension
LING	440	Grammar and Cognition
MATH	406	Introduction to Number Theory
MATH	430	Euclidean and Non-Euclidean Geometries
PHED	362	Philosophy of Sport
PHIL	328B	Marxist Philosophy
PHIL	447	Philosophy of Law
PHYS	420	Principles of Modern Physics
THET	495	History of Theatrical Theory and Criticism
WMST	400	Theories of Feminism

Advanced Studies: Analysis of Human Problems

AMST	330	Critics of American Culture
AMST	428B	American Cultural Eras: American Film Cultures in the 1960's
AREC	365	World Hunger, Population, Food Supplies and Public Policy
CLAS	374	Greek Tragedy in Translation
CNEC	310	Consumer Economics and Public Policy
CNEC	410	Consumer Finance
CNEC	431	The Consumer and the Law
CNEC	435	Economics of Consumption
CNEC	437	Consumer Behavior
EDHD	413	Adolescent Development
EDHD	445	Guidance of Young Children
EDIT	476	Application of Technology to Societal Problems
EDIT	492	Issues, Confronting Families Past and Future: A Multidisciplinary Approach
EDPA	400	The Future of the Human Community
EDPA	401	Educational Technology, Policy, and Social Change
ENGL	379T	Special Topics in Literature: On Argument
FMCD	381	Poverty and Affluence Among Families and Communities
FMCD	431	Family Crisis and Intervention
FMCD	497	The Child and the Law
GVPT	457	American Foreign Relations
HIST	312A	Crisis and Change in the United States
HLTH	476	Death Education
PHIL	342	Moral Problems in Medicine
SOCY	325	Sex Roles
SOCY	441	Social Stratification and Inequality
SPCH	324	Communications and Sex Roles

GENERAL UNIVERSITY REQUIREMENTS

Students who began baccalaureate study prior to May, 1980 may elect to complete these requirements rather than the University Studies Program requirements (see above).

In order to provide educational breadth for all students, there have been established the General University Requirements. These requirements consist of 30 semester hours of credit distributed among the three areas listed below. (For an exception to this regulation, see the Bachelor of General Studies Program, General Undergraduate Catalog.) At least 6 hours must be taken in each area. At least 9 of the 30 hours must be taken at the 300 level or above. None of the 30 hours may be counted toward published departmental, college or divisional requirements for a degree. Area A: 6-12 hours elected in the Divisions of Agricultural and Life Sciences, Mathematical and Physical Sciences and Engineering. Area B: 6-12 hours in the Divisions of Behavioral and Social Sciences; and Human and Community Resources. Area C: 6-12 hours in the Division of Arts and Humanities.

In meeting these area requirements, students may choose from among any undergraduate courses for which they are qualified. The students may select either the pass-fail or letter grading option for these courses as outlined on page 32. Students are urged to consult with academic advisors for guidance in determining which courses in each area best fit individual needs and interests.

Demonstration of competency in English composition: unless the student has been exempted from English composition, at least one course in the subject will be required. Exemption is granted if the student earns an acceptable score on the SAT Verbal test (score announced annually) or an acceptable score on the English Advanced Placement Test (score announced annually), or by satisfactory completion of a similar writing course at another institution.

Students taking a course to satisfy this requirement may apply the credits toward the 30-hour General University Requirement but may not count these credits toward the satisfaction of the minimum 6-hour requirement in any of the three designated areas. Credit for such a course may be in addition to the 12-hour maximum in any area.

NOTE: Students who began baccalaureate study after May, 1978 must complete the English composition requirement specified in the Fundamental Studies section of the University Studies Program (see above). Only three hours of this six-hour requirement may be used to satisfy General University Requirements.

Students who entered the University prior to June, 1973 have the option of completing requirements under the former General Education Program rather than the new General University Requirements. Each student is responsible for making certain that the various provisions of either set of requirements have been satisfied prior to certification for the degree. Assistance and advice may be obtained from the academic advisor or the Office of the Administrative Dean for Undergraduate Studies.

ACADEMIC CREDIT

The semester hour is the unit of credit. During the Summer Session a typical 3 credit hour course meets five times a week for six weeks and requires daily preparation. Each class period is 80 minutes in length.

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 the determination of applicability of courses selected to the degree program and is urged to consult a summer academic advisor.

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

MARKING SYSTEM

- The following symbols are used on the student's permanent record for all courses in which enrollment is continued after the initial registration and schedule adjustment period: A, B, C, D, F, I, P, S, and W. These marks remain as part of the student's permanent record and may only be changed by the original instructor on certification, approved by the department chairman and the dean or provost, that an actual mistake was made in determining or recording the grade.
- The **mark of A** denotes excellent mastery of the subject. It denotes outstanding scholarship. In computations of cumulative or semester averages, a mark of A will be assigned a value of 4 quality points per credit hour.
- The **mark of B** denotes good mastery of the subject. It denotes good scholarship. In computation of cumulative or semester averages a mark of B will be assigned 3 quality points per credit hour.
- The **mark of C** denotes acceptable mastery. It denotes the usual achievement expected. In computation of cumulative or semester averages a mark of C will be assigned a value of 2 quality points per credit hour.
- The **mark of D** denotes borderline understanding of the subject. It

denotes marginal performance, and it **does not represent satisfactory progress toward a degree**. In computations of cumulative or semester averages a mark of D will be assigned a value of 1 quality point per credit hour.

- The **mark of F** denotes failure to understand the subject. It denotes unsatisfactory performance. In computations of cumulative or semester averages a mark of F will be assigned a value of 0 quality points per credit hour.
- The **mark of P** is a student option mark equivalent to A, B, C, or D. (See **Pass-Fail** option below.) The student must inform the Office of Registrations of his selection of this option by the end of the schedule adjustment period. In computation of cumulative averages a mark of P will not be included. In computation of quality points achieved for a semester, a mark of P will be assigned a value of 2 quality points per credit hour.
- The **mark of S** is a department option mark which may be used to denote satisfactory participation by a student in progressing thesis projects, orientation courses, practice teaching and the like. In computation of cumulative averages a mark of S will not be included. In computation of quality points achieved for a semester, a mark of S will be assigned a value of 2 quality points per credit hour.
- The **mark of I** is an exceptional mark which is an instructor option. It is given only to a student whose work in a course has been qualitatively satisfactory, when, because of illness or other circumstances beyond his control, he or she has been unable to complete some small portion of the work of the course. In no case will the mark I be recorded for a student who has not completed the major portion of the work of the course. The student will remove the I by completing work assigned by the instructor. It is the student's responsibility to request arrangements for completion of the work. The work must be completed by the end of the next semester in which the course is again offered and in which the student is in attendance at the College Park Campus; otherwise the I becomes terminal (equivalent to W). Exceptions to the time period cited above may be granted by the student's dean or provost upon the written request of the student if circumstances warrant further delay. If the instructor is unavailable, the department chairman will, upon request of the student, make appropriate arrangements for the student to complete the course requirements. It is the responsibility of the instructor or department chairman concerned to return the appropriate supplementary grade report to the Office of Registrations promptly upon completion of the work. The I cannot be removed through re-registration for the course or through the method of "credit by examination." In any event this mark shall not be used in any computations.
- The **mark of W** is used to denote that the student withdrew from a course after the end of the schedule adjustment period. This mark shall not be used in any computation, but for information and completeness is placed on the permanent record by the Office of Registrations. The Office of Registrations will promptly notify the instructor that the student has withdrawn from the course.
- Audit.** A student may register to audit a course or courses in which space is available. The notation **AUD** will be placed on the transcript for each course audited. A notation to the effect that this symbol does not imply attendance or any other effort in the course will be included on the transcript in the explanation of the grading system.

PASS/FAIL OPTION

Undergraduate students who have completed 30 or more semester hours of College credit with a GPA of at least 2.0 may register on a pass/fail basis if the course offers the pass/fail grading option. At least 15 of these 30 must have been completed at the College Park Campus. Courses for which this option applies must be elective in the students' program. The courses may not be used to meet course requirements stipulated by a college, major, field of concentration, or general education program requirements. The maximum is one course per semester or summer session. Students may not choose this option when registering for a course. A complete statement of regulations concerning the pass/fail option is available in the **Undergraduate Catalog**.

ADVANCED PLACEMENT PROGRAM

Students entering the University from secondary schools may obtain advanced placement and college credit on the basis of their performance in the College Board Advanced Placement examinations. These examinations are normally given to eligible high school seniors during the May preceding matriculation in college.

Questions about the program may be addressed to the Administrative Dean for Undergraduate Studies. Additional information is presented in the consolidated catalog. For detailed information about examinations and procedures in taking them, write:

Director of Advanced Placement Program
College Entrance Examination Board
475 Riverside Drive
New York, New York 10027

CODE OF STUDENT CONDUCT

All students are expected to adhere to the provisions of the *Code of Student Conduct*, as set forth in the Undergraduate Catalog and in the *Student Handbook*. Copies of the code may also be obtained from the office of Judicial Programs in room 2108A North Administration Building, telephone 454-2927.

ACADEMIC DISHONESTY

Academic Dishonesty is a serious offense at the University is defined in the *Code of Student Conduct* and in the University pamphlet entitled *Academic Dishonesty*. The code also provides that any act of academic dishonesty, including a first offense, will put the student in jeopardy "of suspension from the University, unless specific and mitigating factors are present." Disciplinary records for any act of academic dishonesty are also retained in the Judicial Programs Office for three years from the date of final adjudication. These records are available to prospective employers and other educational institutions in accordance with Federal regulations. To report academic dishonesty, or to obtain additional information, dial 454-4746 and ask for the "Campus Advocate."

PROTECTION OF PRIVACY UNIVERSITY POLICY ON DISCLOSURE OF STUDENT RECORDS

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 Catalog, 1989-90, College Park Campus.

CANDIDATES FOR DEGREES

All students who expect to complete requirements for degrees during the summer should complete application for graduation during summer registration at the Registrations Office, Mitchell Building. Applications should be filed no later than July 20, for degrees to be awarded as of August 25, 1990. While there is no graduation ceremony in August, August graduates are invited to participate in the ceremony held in December.

DEFINITION OF FULL-TIME STATUS

For those students seeking University certification of full-time student status, the following definitions will be applied.

UNDERGRADUATES

Normally, enrollment in courses totaling six semester hours of academic credit will be defined as full-time enrollment 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.

GRADUATES

Enrollment for academic credits totaling 24 graduate units will be defined as full-time enrollment for one Summer Session. Enrollment for academic credits totaling 24 graduate units in each of the two Summer Sessions will be defined as full-time enrollment for the summer.

Courses in the series: 000-399
carry 2 units/credit hour
Courses in the series: 400-499
carry 4 units/credit hour
Courses in the series: 500-599
carry 5 units/credit hour
Courses in the series: 600-898
carry 6 units/credit hour
Research course: 799
carries 12 units/credit hour
Research course: 899
carries 18 units/credit hour

MAXIMUM LOAD

Undergraduate students may not enroll for more than eight semester hours of academic credit in one Summer Session. Normally, graduate students should not enroll for more than six semester hours in one Summer Session. Registrations above these maximums must be approved by the student's Dean.

GOLDEN IDENTIFICATION CARD

Retired residents of Maryland age 60 and older who are not gainfully employed for more than 20 hours per week are invited to apply for a University of Maryland College Park Golden Identification Card.

The card entitles the holder to free tuition on a space-available basis beginning the first day of classes for all University of Maryland credit courses, waiver of most fees and access to all College Park programs and activities on the same basis as all other students. Use of the libraries and certain non-academic services will be available to registrants for one or more courses only during the session for which they are registered.

Program participants may simply take courses that interest them or work toward a graduate or undergraduate degree.

A high school diploma is not required for admission to undergraduate courses on the Golden ID card.

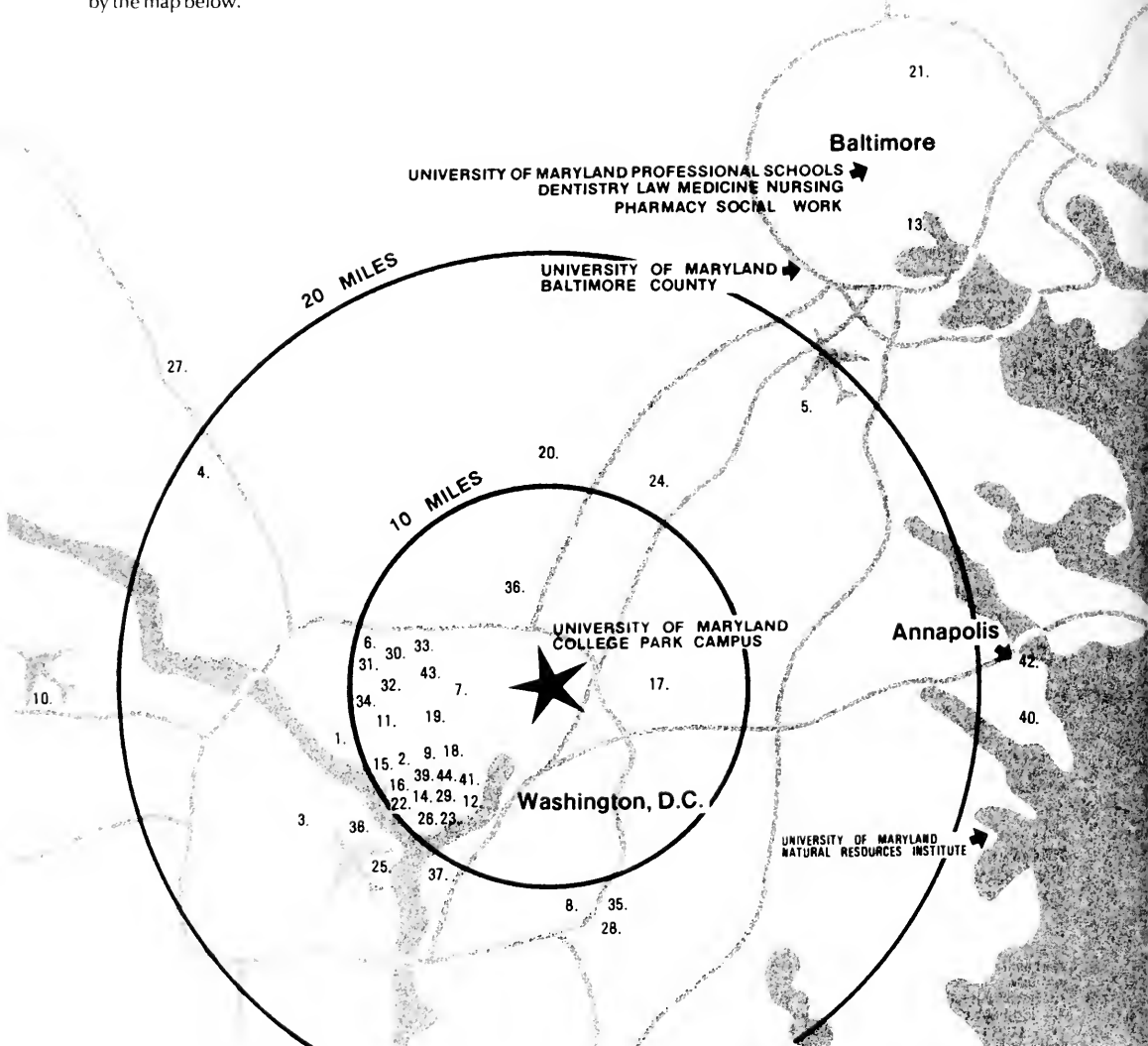
Eligibility for admission to graduate courses varies considerably from one area of study to another. In general, a bachelor's degree and a superior undergraduate academic record in an appropriate field are required. However, under some circumstances, appropriate training and experience may make up for deficiencies. The Graduate School Admission Office will respond to individual inquiries.

For information about obtaining a Golden Identification Card, contact the Office of Undergraduate Admissions at 454-5550.

AREA RESOURCE MAP

OTHER AREA RESOURCES

The College Park Campus is in a region which is unusually rich in libraries, research facilities, museums, galleries and cultural centers as illustrated by the map below.



1. AMERICAN UNIVERSITY
2. ARENA STAGE
3. ARLINGTON NAT. CEMETERY
4. ATOMIC ENERGY COMMISSION
5. BALTO./WASH. INTERNATIONAL AIRPORT
6. BETHESDA NAT. NAVAL MEDICAL CTR.
7. CATHOLIC UNIVERSITY
8. CENSUS BUREAU
9. CORCORAN GALLERY
10. DULLES INTERNATIONAL AIRPORT
11. DUMBARTON OAKS
12. FOLGER SHAKESPEARE LIBRARY
13. FORT McHENRY
14. FREER GALLERY
15. GEORGETOWN UNIVERSITY

16. GEORGE WASHINGTON UNIVERSITY
17. GOODARD SPACE FLIGHT CTR.
18. HIRSHHORN GALLERY
19. HOWARD UNIVERSITY
20. JOHNS HOPKINS APPLIED PHYSICS LAB.
21. JOHNS HOPKINS UNIVERSITY
22. KENNEDY CTR. FOR THE PERFORMING ARTS
23. LIBRARY OF CONGRESS
24. NAT. AGRICULTURE LIBRARY
25. NAT. AIRPORT
26. NAT. ARCHIVES
27. NAT. BUREAU OF STANDARDS
28. NAT. ENVIRONMENTAL SATELLITE CTR.
29. NAT. GALLERY OF ART
30. NAT. INSTITUTES OF HEALTH

31. NAT. METEOROLOGICAL CTR.
32. NAT. ZOOLOGICAL PARK
33. NAVAL MEDICAL CTR.
34. NAVAL OBSERVATORY
35. NAVAL OCEANOGRAPHIC OFFICE
36. NAVAL ORDINANCE LAB.
37. NAVAL RESEARCH LAB.
38. PENTAGON
39. SMITHSONIAN INSTITUTION
40. SMITHSONIAN ECOLOGICAL CTR.
41. U.S. CAPITAL
42. U.S. NAVAL ACADEMY
43. WALTER REED ARMY MEDICAL CTR.
44. WHITE HOUSE

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VETERANS BENEFITS

Students attending the University under the Veterans Education Assistance Act (Title 38, U.S. Code) who completed registration will be certified on the basis of registration course requests. This certification should be verified by the student at the Registrations Office, Room 1108, Mitchell Building, 9:00 a.m. to 4:00 p.m., Monday through Friday.

ENROLLMENT CERTIFICATION AND VA PAYMENTS

1. Computation of enrollment status: Undergraduate student enrollment status is based on the number of standard class sessions for which the student is registered.

Computation of Standard Class Session

Number of Days/Week Class Meets	Lecture Session			
	Minutes in Session			
	80	100	120	180
1	1.6	2.0	2.4	3.6
2	3.2	4.0	4.8	7.2
3	4.8	6.0	7.2	10.8
4	6.4	8.0	9.6	14.4
5	8.0	10.0	12.0	18.0

Example: If class meets M, Tu, W, Th 8:00-9:20; then Standard Class Session (SCS) = 6.4 = 1/2 time

Laboratory Sessions

Number of Days/Week Class meets	Minutes in Session				
	80	100	120	180	240
1	.8	1.0	1.2	1.8	2.4
2	1.6	2.0	2.4	3.6	4.8
3	2.4	3.0	3.6	5.4	7.2
4	3.2	4.0	4.8	7.2	9.6
5	4.0	5.0	6.0	9.0	12.0

Example: If lab course meets M, Tu, W, Th, F 12:30-1:50
Lecture M, W, F 8:00-11:00 Lab: Tu, Th 9:30-10:50
Discussion; then SCS = 8 + 5.4 + 3.2 = 16.2 = full-time

Graduate student enrollment status is based on the number of units for which the student is registered. Courses taken as "AUDIT" cannot be counted toward credit for graduate or undergraduate students. Charges are the same for audit and for credit courses.

TABLE FOR COMPUTING GRADUATE UNITS

000-399	2 Units per credit
400-499	4 Units per credit
500-599	5 Units per credit
600-898	6 Units per credit
799	12 Units per credit
899	18 Units per credit

Graduate registration 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 approved by the Graduate School and submitted to the Veterans Affairs Office. Courses below 400-level will not receive Graduate Credit.

2. Basis for payment during each Summer Session.*

Standard Class Session (SCS) Credits	Graduate Students	Status
12+	24	Full time
9-11	18	3/4 time
6-8	12	1/2 time
less than 5	6	1/4 time

*COURSES WHICH VARY FROM THE REGULAR SIX WEEK SESSIONS ARE CALCULATED BY THE V.A. ACCORDING TO LENGTH OF TIME AS WELL AS CREDITS OR UNITS

The Schedule of Benefits is available in the Veterans Office, Room 1108, Mitchell Building.

3. Graduate Assistants: Graduate students who are graduate assistants will be certified for full time if the assistantship is confirmed in writing by the Graduate School. Enrollment must be for 12 units each summer session.

Please note—the Veterans Administration's definition of "full time" for Graduate Assistants differs from the University of Maryland definition and should be used only for V.A. purposes.

PROTECTION OF PRIVACY INFORMATION SHEET

Public law 93-579 entitled the Privacy Act of 1974 requires that all claimants be informed of the purposes and uses to be made of the information which is solicited. The following is furnished to explain why the information is requested and the general uses to which that information may be put.

AUTHORITY: The Veterans Administration is empowered to solicit the information requested in this form under the authority of Title 38, United States Code.

PURPOSE: The information requested is considered relevant and necessary to determine maximum entitlement to the benefit for which the student has applied.

USES: The information will be used in determining eligibility for the maximum benefits allowable by law. The responses which are submitted may be disclosed as permitted by law outside the Veterans Administration.

EFFECTS OF NON-DISCLOSURE: Disclosure of the requested information is voluntary. No penalty will be imposed for failure to respond. However, the decision as to entitlement for the benefit being claimed must then be made on the basis of available evidence of record. This may result in a delay in the processing of the claim, payment of less than maximum benefits, or complete disallowance of the claim. Failure to provide information in connection with the benefit currently being sought will have no detrimental effect on any other benefits to which a veteran is entitled. (From VA Form 20-8739, July 1975).

COMPUTER SCIENCE CENTER

Non-Credit Training Courses (Summer 1990)

The Computer Science Center offers a series of free workstation training classes scheduled during evening and weekend hours. Classes in the use of workstations (e.g., the IBM PC, XT, AT, PS/2 and Macintosh microcomputers) are designed to be a hands-on experience for those who wish to use a computer to do their class assignments and work.

The classes include: Introduction to the IBM PC, WordPerfect 5.0 on the IBM, Introduction to the Macintosh, MacWrite II on the Macintosh, and Lotus 1-2-3 on the IBM. Instructors for the classes are computer experienced students. Courses will begin in June. Students may register for classes or pick up schedules in CSC Room 3326 or call 454-6945 for scheduling information.

SUMMER RECREATION PROGRAM

WATCH FOR THE RECREATION BROCHURE
GREAT SUMMER SPORTS ACTIVITIES
CULTURAL EVENTS
SPORTS TOURNAMENTS AND COMPETITIONS
For information: Reckord Armory, Room 1104, 454-3124

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STUDENT PARKING REGISTRATION

All students must register for a parking permit at the time of registration for classes. **STUDENTS MUST BRING THEIR STUDENT I.D. CARD.**

Parking permits issued to students for the 1989-90 academic year will be honored for the 1990 Summer Sessions. For new students or continuing students who did not previously register for a parking permit, there will be a registration fee of \$18.00 for campus resident students and \$10.00 for commuter students, which must be paid to the Department of Campus Parking at the time of registration (see Tuition and Fees). Students who display their parking permit may park in lots 1, 2, 4, 7, 11, and 16. All other lots are reserved for faculty and staff members. University Parking Regulations prohibit the parking of motor vehicles on any Campus road, fire lane, unpaid meters, or handicapped spaces. These regulations are enforced by the Department of Campus Parking and the Police Department.

BICYCLE AND MOPED PARKING

Mopeds and bicycles need not be registered, but should be parked in bicycle racks provided on campus. Questions should be directed to the Department of Campus Parking, Corner of Field House Dr. and Regents, Building 202, Parking Garage 2, from 8:30 to 4:00 P.M. Monday through Friday, or by telephone on 454-4242 or 4243.

HANDICAPPED PARKING

All persons associated with the University (including those displaying a State handicapped permit or tag) must purchase and display a UMCP-DCP parking permit for the current year. Upon the issuance of the UMCP-DCP Permit, an additional UMCP-DCP handicapped permit will be issued at no charge. This additional permit must be used in conjunction with the State handicapped permit in order to use Campus spaces for the handicapped, unpaid parking meters or any ungated parking lot on campus. All applications and permits must be processed at registration.

Only persons to whom the handicapped privileges are extended are authorized to park in these special parking areas. Family members driving these vehicles must utilize their assigned parking lot(s).



HEALTH CENTER

Check out the Health Center located directly across from the Stamp Union on Campus Drive for primary care of illness and injury, health promotion and maintenance, consultation or education. Health Center services include the dental clinic, men's clinic, women's clinic, skin care, sports medicine, physical therapy, nutrition counseling, mental health, social services, laboratory and a pharmacy. Individual and group health education programs are also available on topics such as sexual health, stress management and substance use and abuse.

The Health Center is open 24 hours, seven days a week. Hours vary during semester breaks and holidays. Appointments are recommended. Students, however, are also seen on a walk-in basis.

Currently registered students who have paid the health fee are eligible for care. This fee covers most routine costs. There are additional charges for special services such as X-ray, laboratory tests, dental treatment, allergy injections, casts, and pharmacy supplies.

All information in student medical records is confidential. Medical information is released only with the student's written permission or court-ordered subpoena.

Health Center telephone numbers to remember: information x3444, appointments x4923, mental health service x4925, pharmacy x6439, health insurance x6750, health education x4922.



ON-CAMPUS HOUSING

Every College Park student who registers for summer sessions coursework is encouraged to live on campus in the undergraduate residence halls. Early reservation for summer sessions housing is advised. Room reservation procedures are discussed in the *Summer 1990 Residence Halls Agreement*, located at the center of this catalog. **This Agreement and accompanying instructions should be carefully read and understood before the Agreement is returned and financial obligation is incurred.** No provisions are made for family members or spouses.

For summer sessions, rooms are available the day before the start of Session I classes until final examinations are completed for Session II. Please consult the calendar on page 2 of this catalog. Spring semester campus residents who register for Session I may be permitted to move directly from spring room assignments to Summer Sessions assignments, possibly involving an additional move to a temporary assignment, according to procedures and a calendar established by the Department of Resident Life. Spring semester residents should indicate their current assignment and their desire for temporary "interim housing" privileges in the appropriate spaces on the Residence Halls Agreement (in booklet section in the center of the catalog).

Rooms in apartment/suite hall types are available for long-term stays:

- Summer assignments are in fully furnished and fully equipped apartments. Each apartment has a kitchen, two baths, shared dining room and living room and single and double bedrooms for four or six students. Apartments are air-conditioned and fully carpeted.

Bedrooms are furnished with essentials for student study and sleep. Curtains, desk lamp, wastebasket, pillow, linens, all other personal effects and room accessories are not provided. Coin-operated laundry and vending services are available.

Inquiries regarding summer sessions housing are welcomed at Department of Resident Life, 2100 Annapolis Hall, University of Maryland, College Park, MD 20742; Phone: (301) 454-2711.

CAMPUS GUEST SERVICES

Accommodations are also available for visiting faculty and lecturers, researchers and other educators associated with the summer sessions or involved in the special programs offered during the summer term. Accommodations, rates and reservation process vary depending on length of stay and type of program.

In addition, accommodations may be provided for conference and special interest groups who wish to hold their events on campus in the summertime.

For more information about these services contact Campus Guest Services, University of Maryland, Room 0101, Annapolis Hall, College Park, MD 20742; Phone: (301) 454-8723.



RESEARCH FACILITIES

The research programs at the University derive their existence and vigor from a faculty comprised of internationally recognized scholars and scientists. It is an advantage for undergraduate students to be aware of the University's research facilities as they plan their programs.

Active research takes place in every department on the campus. Among the exceptional research facilities are: scanning and transmis-

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sion electron microprobe; subsonic, supersonic, and hypersonic wind tunnels; laboratories for radiation research and biochemical reactions; a nuclear training reactor; an electron ring accelerator; complete laboratories for the dynamic studies of soils and structures; a unique facility utilizing satellite remote sensing data; a dynamic photoacoustics lab; a gravitational radiation detection system including a gravimeter on the moon; three retroreflector arrays on the moon; a mineral synthesis laboratory; a laboratory for mineral deposits research; a psychopharmacology laboratory; a comfort and perception research laboratory; a historic costume/textile research laboratory; a linear accelerator; a high resolution spectroscopy facility; small groups behavioral research laboratories; computer simulation and gaming facilities; remote sensing and cartographics laboratories; specialized sound chambers for audiology research; a center for theoretical physics; a criminal forensics laboratory; an archaeometrics laboratory; computer laboratories for parallel computation, database systems, artificial intelligence, computer systems, architecture and software engineering, biotechnology scale-up, communication and signal processing, composite research, semiconductor research, very large scale integration, software engineering, and machine intelligence and pattern analysis; the Center for Automation Research which includes the computer vision, robotics and human/computer interaction laboratories; centers for rotorcraft education and research, architecture and engineering performance information, and transportation studies; the Astronomy Observatory; and the Water Resources Center.

The College Park campus is also part of a consortium of three universities with the University of California at Berkeley, and the University of Illinois at Urbana-Champaign who operate a large millimeter array telescope at Hat Creek in California.

In addition to these research facilities, the campus supports a number of organized research activities, many of which have received national and international recognition for the quality of their research work. Among the major organized research units on campus are: the Bureau of Business and Economic Research, and Governmental Research; the Center on Aging and Center for Family Service; Educational Research and Development; National Center for Postsecondary Governance and Finance; Family Research Center; Industrial Relations and Labor Studies; Information Sciences Research; International Development and Conflict Management; Research Center for Arts and Humanities; Philosophy and Public Policy; Productivity and Quality of Working Life; Renaissance and Baroque Studies; the Center for Studies in Nineteenth Century Music; Study and Research in Business and Public Policy; the Center for Entrepreneurship; Young Children; the Survey Research Center; the Engineering Research Center; the Laboratory for Plasma Research; the Center for Superconductivity Research; the Laboratory for Coastal Research; the Institutes for Exceptional Children and Youth; Physical Sciences and Technology; Research in Higher and Adult Education, the Center for Research in Public Communication of the College of Journalism; the Center for Architectural Design and Research (CADRE) in the School of Architecture; and the Center for Population, Gender and Social Inequality.

Investigation in agriculture is an important aspect of University research. The Agricultural Experiment Station, which has its headquarters on the College Park campus, uses its personnel and laboratories at UMCP and UMES, as well as the off-campus research farms (totalling over 3,000 acres) to conduct research in the areas of natural resources and forestry, plants and crops, animals and poultry, economics and rural life, and general resource technology.

The College of Physical Education, Recreation and Health maintains modern research laboratories including, but not limited to, Psychophysiological Research Laboratory, the Biofeedback Learning Lab, The Safety Education Center, Leisure and Recreation Studies Laboratory, Cinematographic Analysis, Cardiovascular Measurement, Strength and other Motor Fitness Assessments, Body Composition, Analysis of Motion, and Motor Learning Research.



DINING SERVICES

The Department of Dining Services has 31 operations to serve the University community. Among these are four dining rooms, located in

the Cambridge, Elicott, and Denton Complexes, and in the South Campus.

A full service restaurant and diverse fast food eateries line the underground central hallway of the Adele H. Stamp Union. Each shop is open daily Monday through Friday and some shops are open with special hours on Saturday.

For a special occasion or just a change of pace, What's Your Beef Restaurant offers flame broiled steaks, BBQ chicken and ribs and an extensive salad bar. Fresh dough pizza, made to order, by the slice or whole, is available at the Pizza Shop. This N' That offers a variety of favorites, including all-beef hot dogs, nachos and hot pretzels. Popular Maryland Dairy ice cream, is served any way you like it, at Dory's Sweets. Fresh-from-the-oven breads, doughnuts and assorted pastries are prepared daily at the Bakery Stop. Ask about our personalized cakes. The Butcher's Block features flame-broiled quarterpound cheeseburgers and Cajun-style fried chicken. Stop by the Maryland Sandwich Factory for deli subs, sandwiches, cheeses and meats by the platter or the pound. Create your own salad at the Farmer's Market with a salad bar featuring over 50 items. Quench your thirst at the Oasis which offers an extensive selection of hot and cold beverages.

Elsewhere on campus is the Gazebo Room, open Monday through Friday, conveniently located in South Campus Dining Hall. This food court features an extensive soup and salad bar, sandwiches, grill line, hot entrees, bakery, ice cream shop, international food shop, and an ever-changing à la carte menu. Now open Monday through Sunday, the Leonardtown Convenience Store sells groceries and sundries. The Hi-Rise Snack Bar and Convenience Store, located near the Elicott Dining Hall, is also open for your convenience Monday through Sunday, for a quick bite to eat or an emergency item.



DISABLED STUDENT SERVICES

Special assistance is available for students with disabilities. Among the services offered are: assistance with registration, reading services, interpreter services, accessibility information and orientation. Currently, handicapped shuttle service is not available during the summer. Students should contact the office at the earliest possible opportunity so that services can be arranged by the start of classes.

454-5028 (voice)

454-5029 (TDD)

Contact the Disabled Student Services Office in the Counseling Center, Shoemaker Hall, Room 0126, 8:30 to 4:00 Monday through Friday.



LIBRARIES

Libraries of the campus are the Theodore R. McKeldin Library (the main library), the Architecture Library, the Art Library, the Library of the College of Library and Information Services and its Juvenile Teaching Materials Collection, the White Memorial Chemistry Library, the Engineering and Physical Sciences Library, the R. Lee Hornbake Library containing the Undergraduate Library, Nonprint Media Services, and the Music Library. The Libraries have a total book collection of more than 1.9 million volumes and currently receive over 21,000 serials. In addition, the libraries contain 3.5 million microforms; 600,000 U.S., state, and international government documents; over 900,000 technical reports; 64,000 cassettes, records and tapes; and over 175,000 maps. Bibliographical facilities include print catalogs of the Library of Congress and national bibliographies of many foreign countries, as well as access to online resources such as the OCLC and the UM online catalog. Special Collections include the Katherine Anne Porter Room, East Asia collection, Maryland industrial and craft union files, music education association files, the International Piano

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Archives at Maryland, and numerous sets of microreproductions of rare books, early and rare journals, archives and manuscripts, and other research materials in many subjects. Study carrels and lockers are available to faculty members and graduate students in the McKeldin Library. Facilities for microform reading, photocopying, ordering online database searches, reading reserve material and arranging inter-library loans are available in all libraries. Anyone is welcome to use the libraries' resources on site, and UM students, faculty and staff may borrow circulating items.

EXPERIENTIAL LEARNING PROGRAMS

0119 Hornbake Undergraduate Library, 454-4767

Experiential Learning Programs (ELP) offers four of the University's most exciting learning opportunities—internships, cooperative education, volunteer service, and student exchange. Each is designed to give students "hands-on" experience that can help them integrate classroom learning with practice, provide valuable on-the-job experience, make professional contacts, observe career fields first-hand, experience different educational, work or cultural environments, and clarify personal and professional goals.

INTERNSHIPS

An internship is a paid or unpaid work experience with specific educational objectives that can be granted academic credit. Students can use extensive ELP listings, which include more than 2000 opportunities in more than 1100 organizations, businesses and agencies to identify possible internships. Directories and catalogues are also available in the ELP office which describe hundreds of other local and national positions. In addition, the ELP staff can show students how to investigate and design unique internship opportunities which might not be listed in our files. Once students have found a placement, they can enlist a full-time faculty member to provide sponsorship for academic credit.

Internship Credit Policies for ___386/___387

Students can earn academic credit for their internship experience through departmental internships or through the campus-wide internship courses ___386 Field Experience and ___387 Analysis of Field Experience. The following are Campus Senate Policies regarding ___386 and ___387:

- ___386 and ___387 may be taken by any student with the permission of a full-time faculty member, if it is a departmental option and in accordance with departmental requirements and internship policies.
- ___386 and ___387 must be taken concurrently.
- ___386 and ___387 may be taken for a letter grade or pass-fail.
- ___386 and ___387 are variable credit courses. Each may be awarded from 1-3 credits with a maximum of 6 credits for the two courses combined, unless otherwise stipulated by departmental policy.
- ___386 and ___387 may be taken only once in a given department.
- ___386 and ___387 may be taken in only one department per semester.
- ___386 and ___387 may be taken for a maximum of 24 credits in an undergraduate program.

Mandatory Learning Proposals

Learning Proposals, which can be obtained in the ELP office, are **mandatory** for all students taking ___386 Field Experience and ___387 Analysis of Field Experience. The Learning Proposal is a learning contract that spells out and clarifies the nature of a student intern's placement, learning objectives, specific responsibilities, supervision, in-service training, method of evaluation, and contact with the faculty sponsor. The process for developing a Learning Proposal is intended to include the student, faculty sponsor and the on-site supervisor,

all of whom must sign the finished proposal before it is returned to ELP.

Students must have Learning Proposals completed and copies to ELP, faculty sponsors and on-site supervisors, no later than the first week of the session in which the student is enrolled. If the Learning Proposal is not completed, the student may have his/her ___386/___387 credit removed. It is however, strongly recommended that the Learning Proposal be completed before a student registers for ___386/___387. Thus the student, faculty sponsor and on-site supervisor can be in agreement about the expectations of the internship experience prior to registration.

VOLUNTEER SERVICE

Students can learn while being of service to others as a student volunteer. The ELP office lists more than 400 different opportunities for community and public service in a variety of settings, addressing such issues as child welfare, family services, illiteracy, hunger, homelessness, and environmental preservation. Students are encouraged to incorporate some volunteer service as part of their undergraduate experience. The opportunities to be of service are almost without limit.

NATIONAL STUDENT EXCHANGE PROGRAM (NSE)

The National Student Exchange Program offers UMCP students the opportunity to study at 82 participating public colleges and universities across the country. UMCP students pay Maryland tuition and fees and exchange with a student wishing to come to College Park for a semester or a year. NSE offers the opportunity to explore new geographical settings, experience academic diversity, and study under different educational and social circumstances in various parts of the continental U.S., Hawaii, the Virgin Islands, and Puerto Rico. While the application deadline is March 1st for the following academic year, students who are interested in NSE are encouraged to contact the ELP office as soon as possible to plan for their exchange.

COUNSELING CENTER

The counseling center provides comprehensive psychological and counseling services to meet the mental health and developmental needs of students. Records kept as part of providing counseling services are **confidential** and are not part of the University's educational records. The Counseling Center, located in Shoemaker Building, is open Monday – Friday 8:30-4:30 and Wednesday 8:30-9:00.

In order to meet the needs of the University community, the Counseling Center provides the following special services and programs:

Counseling Service. Psychologists provide professional individual and group counseling services for students with social-emotional and educational-vocational concerns. Counseling is available for individuals and groups to overcome depression, career indecisiveness, anxiety, loneliness, and other problems experienced by students. Workshops ranging from developing assertiveness and self-esteem to stress management are offered. A 3:00 p.m. Minority Student Walk-In Hour is held daily. The Center also provides a series of tape-recorded interviews with all College Park department heads covering course and career options in their fields. Telephone: 454-2931.

Disabled Student Services (DSS). Professionals provide interpreters for the deaf, readers for the blind, assistance with registration, administration of classroom exams, assistance for students with learning disabilities, and access guides to campus buildings. Services must be arranged in advance and students are encouraged to contact the office as early as possible. Located in Room 0126 Shoemaker, office hours are 8:30-4:30 Monday – Friday. Telephone: 454-5028 (voice) or 454-5029 (TDD).

Learning Assistance Service (LAS). Educational Specialists offer individual and group sessions for improving academic skills such as reading, writing, listening, note taking, and how to learn mathematics and science material. Workshops cover such topics as study skills, time management, learning math skills, exam anxiety, and learning English as a second language.

GENERAL INFORMATION

Returning Students Program. Ongoing consultation, counseling, referrals, and orientation programs are provided to address the needs of students aged 25 or over who are beginning or coming back after a break in their formal education. The service offers returning students assistance with study skills techniques as well as exploration of academic, career, and personal goals. Located in Room 2201 of Shoemaker. Telephone: 454-2935.

Testing, Research, and Data Processing Service. National testing programs such as CLEP, GRE, LSAT, MCAT, GMAT, and Miller Analogies are administered through this office as well as testing for counseling purposes, including vocational assessment. In addition, the staff members provide a wide variety of research reports on characteristics of students and the campus environment. Telephone: 454-3126.

Parent Consultation and Child Evaluation Service. Professional help is available through consultation, testing, and counseling for youngsters ages 5-14 and families. Telephone: 454-7203.

Counseling Center services allow students to overcome barriers to their learning and development. Center professionals are highly committed to helping you reach your goals. Call or come to the Shoemaker Building for more information or to schedule an appointment.



UNIVERSITY BOOK CENTER

The University Book Center is a retail establishment located in the lower level of the Adele H. Stamp Student Union Building. The Book Center offers textbooks, popular and professional books, art materials, school and office supplies, imprinted Maryland clothing, groceries and assorted sundries.



RETIRED VOLUNTEER SERVICE CORPS

People who are retired and have career or life experience skills which they would like to continue to use can do so through the Retired Volunteer Service Corps. By volunteering three hours or more a week, talented older people can help personalize undergraduate education

and provide a unique perspective to students at UMCP. Volunteers utilize their unique skills as tutors, career counselors, academic advisors, teaching assistants, technical assistants and office assistants, as well as having the option of assisting in a volunteer job of their own design. Benefits include athletic event tickets, library cards, use of shuttle bus, and use of recreational facilities. For further information contact the Retired Volunteer Service Corps office at 454-4767.

COOPERATIVE EDUCATION

Full-time students enrolled at The University of Maryland College Park have an opportunity to participate in a program which links education with practical work experience. The program is called COOPERATIVE EDUCATION.

Two co-op programs exist on UMCP's campus: Cooperative Education for Liberal Arts, Business and the Sciences, and the Engineering Cooperative Education Program. While each program carries its own eligibility requirements and procedures, the benefits are the same:

- Apply classroom learning to actual practice
- Confirm career choice
- Develop professional level skills
- Earn money to help finance one's education
- Gain access to the hidden job market
- And more

Students who participate in cooperative education, both at UMCP and nationwide, have benefitted from the skills and experience gained from their co-op experience. In fact, 67% of co-op students receive job offers from their co-op employers upon graduation.

Co-op employers include both private industry and the public sector. There are a wealth of co-op files available for co-op applicant perusal.

For more information, Engineering majors should contact the Co-op Director, 1137 Engineering Classroom Building, or call 45-5191. Liberal Arts, Business and the Sciences majors should contact the Co-op Coordinator, 0119 Hornbake Library, or call 454-4767.

SPECIAL PROGRAMS

WORKSHOPS, INSTITUTES AND OTHER SPECIAL OFFERINGS

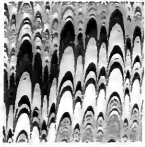
The summer sessions offer a number of special programs of interest to both students and professional audiences. The programs frequently differ from traditional courses in instructional format and duration. In many classes scheduling differs from the dates of the standard academic sessions. Many of the special programs provide the option of registering either for credit or on a non-credit, nonmatriculant basis. Some of the special programs are offered on a special fee, non-credit basis only.

Unless noted otherwise, admission procedures for credit registrations are the same as those for standard courses. Special arrangements for registration will be provided for certain workshops, details of which may be obtained from the program directors. The standard tuition and fee schedule applies for all credit registrations except that University Health Services are not provided for students registered in courses offered away from the College Park Campus, in which case the student health fee is not charged.

Reference to additional or alternative fees may be found under individual listings. Special non-credit fees apply only where specifically quoted. Registrations based upon these fees are available only to non-matriculated applicants and do not provide credit. Because special planning based upon the number of registrants is required, and because applicant screening and/or auditioning may be required, most of the special fee programs require an extra charge after a specified registration period and only a partial refund for late withdrawal. No refunds will be granted on or after the first day of any program which is less than the standard six-week terms in length. In each case, campus housing will be available at additional charge.

The descriptions following are intended to indicate only general content. For detailed information please contact the program director.

SPECIAL PROGRAMS



THE MARYLAND SUMMER INSTITUTE FOR THE CREATIVE AND PERFORMING ARTS

George Moquin, Executive Director

In coordination with the Summer Entertainment Series described elsewhere in the catalog, the Institute (MSICPA) presents the following career development training programs.

THE NATIONAL ORCHESTRAL INSTITUTE

June 8 - June 30, 1990

Resident Conductors

Neal Stulberg

Maximiano Valdes

James DePriest

A symphony orchestra of America's most talented young musicians studies and performs with three internationally acclaimed conductors. Selected from regional auditions throughout the United States, members of the NOI Philharmonic receive full tuition, room and board scholarships for this intensive career development opportunity. Musicians from America's leading orchestras and UMCP Department of Music faculty will be in residence to direct sectional rehearsals and present masterclasses. The orchestra will be presented in three public concerts. For information, contact Mr. Donald Reinhold, Administrative Director, Office of Summer Programs, University of Maryland, College Park, MD. 20742, (301) 454-3347.

THE UNIVERSITY OF MARYLAND INTERNATIONAL PIANO FESTIVAL AND WILLIAM KAPPELL COMPETITION

Seymour Lipkin, Artistic Director

July 12-21, 1990

During July, 1990, the festival will celebrate its twentieth anniversary. Internationally acclaimed artists and teachers will present masterclasses, lecture-recitals, symposia, and concerts. The Competition, an event also of international stature, offers pianists aged 18-33 more than \$50,000 in prize money. The jury is composed of an international group of distinguished artists. The first prize of \$20,000 also includes a New York recital in Lincoln Center's Alice Tully Hall and other engagements. Competition Finals will be held at the Kennedy Center, Washington, DC, including presentation of the finalists in solo recitals and concerto performances with the National Symphony Orchestra. All events are open to the general public.

Pre-Registration Fees

(Received by June 12, 1990)

Full Festival and Competition: \$250.00

Student Rate: \$125.00

Late Registration Fees

(After June 12, 1990)

Full Festival: \$275.00

Student Rate: \$150.00

Individual tickets to events also may be purchased at the door on a daily basis.

THE MARYLAND ASTA STRING PEDAGOGY CONFERENCE

June 24-30, 1990. Gerald Fischbach, Conference Director

The Maryland Chapter of the American String Teachers Association, in cooperation with the University of Maryland Summer Institute for the Creative and Performing Arts, is pleased to present the second annual string pedagogy conference. This intensive program for studio and school teachers will be directed by Professor Gerald Fischbach, Violinist, member of the music faculty, University of Maryland, and renowned for his presentation of string workshops. Other members of the Conference faculty include: William Precuil, viola; Phylliss Young, Cello; George Vance, bass; Robert Culver, group dynamics and group teaching; Daniel Heifetz, special masterclass; Evelyn Elsing, special masterclass; Kenneth Slowick, Smithsonian Treasures presentation; and Miles Hoffman, Library of Congress presentation.

Registrants may attend rehearsals and a performance of the National Orchestral Institute Philharmonic. Registered members of the Conference also have the option of registering for two academic credits during

the Conference. For details contact Gerald Fischbach, Department of Music, University of Maryland, College Park MD 20742. Telephone: 301-454-0476.

THE 1990 SUMMER LECTURES

In cooperation with the Center for Political Leadership and Participation and the Center for International Development and Conflict Management, Summer Programs is pleased to present its fourth annual public lecture series:

Peaceful Revolutions and Emerging Democracies In Eastern Europe and the USSR

In a few brief months the world has witnessed spectacular changes in the political structures of eastern Europe and the Soviet Union, changes which will have far-reaching implications for Europe and the world into the twenty-first century. A series of four lectures by authorities on these questions will discuss the great implications of these changes.

1. The Demise of Communism and emergence of democracies in eastern Europe.
2. The Issues of Unification of Germany and Europe.
3. Implications of the European Transformation to United States Foreign Policy.
4. Global Implications of European Transformation, Particularly in the Third World.

Speakers and dates to be announced.

Professors Georgia Sorenson and Abdel Omran, Directors.

COLLEGE OF ARCHITECTURE

ARCH 488C. Selected Topics In Architectural Preservation:

Cape May Historical Preservation Workshop. 3 credits. May 29 to June 14, 1990. A workshop and study experience in the preservation of some of the nation's important architectural landmarks in the resort of Cape May, New Jersey. The course is conducted at Hotel Chalfonte in Cape May. Professor David P. Fogle.



COLLEGE OF ARTS AND HUMANITIES

Center for Renaissance and Baroque Studies.

ENGL 478A/JAPN 418. Theatre East and West. 3 credits. July 8 to July 27. A special offering for secondary teachers. Restricted to teachers from Maryland, Virginia, and the District of Columbia who are teaching the new graduation requirement in the humanities for secondary school students. An examination of the fascinating ways in which Kabuki occupies a cultural moment in Japanese history analogous to the English renaissance which produced the drama of Shakespeare and his contemporaries. Professors J. Thomas Rimer, Department of Hebrew and East Asian Languages and Literatures, and Howard Dobin, Department of English. A grant program. Enrollment by special permission.

SPECIAL PROGRAMS



COLLEGE OF BEHAVIORAL AND SOCIAL SCIENCES

Department of Anthropology

ANTH 499A/699A/389A/SUMM 015. Summer Field School in Archaeology. 8 credits or non-matriculant/non-credit registration at a special fee of \$800. June 4 to July 13, 1990. 8:00 a.m. — 4:00 p.m. Professor Mark Leone

An anthropological field school conducted at Annapolis, Maryland in cooperation with Historical Annapolis, provides an opportunity for students who wish to acquire skills in archaeological research. Open to both majors and non-majors. For details contact Dr. Mark Leone, Department of Anthropology, University of Maryland, College Park, MD 20742. Telephone: 301-454-4154.



COLLEGE OF COMPUTER, MATHEMATICAL AND PHYSICAL SCIENCES

Department of Mathematics

SUMM 003. Building Math Self-Confidence: A Review of High School Algebra. Non-credit. June 4 to June 22, 1990. M-F, 9:00 a.m.—12:00 p.m. Special fee: \$250.00. Professor Elizabeth Shearn.

Offered through the Counseling Center, this special course assists students in gaining confidence in math through instruction and practice in the basics of Algebra. The work prepares students for college level math courses.



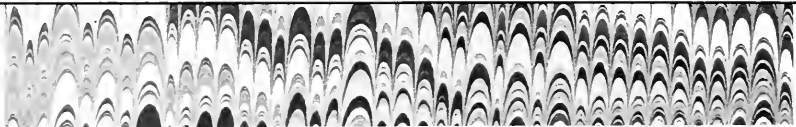
COLLEGE OF LIBRARY AND INFORMATION SERVICES

LBSC 499K, 0201/SUMM 008A. Archival Administration. 3 credits or non-matriculant/non-credit registration at a special fee of \$540.00. July 16 to August 24, 1990, MW, 9:00 a.m. to 12:00 Noon. Professor Michael Kurtz.

A workshop designed to provide administrators of cultural institutions with specialized management techniques and strategies for archival control. Lectures will be supplemented by individual and group projects appropriate to activities of archives, libraries, museums, and historical societies.



Haesun Paik, First-Prize Winner of the 1989 University of Maryland International William Kapell Piano Competition.



THE MARYLAND SUMMER INSTITUTE FOR THE CREATIVE AND PERFORMING ARTS

The Fifteenth Anniversary Season

Complimentary tickets available

SESSION I



Saturday, June 9, 8:15 p.m.
EMPIRE BRASS.
Tawes Theatre.

***Tuesday, June 12, 8:15 p.m.*
**NATIONAL SYMPHONY
ORCHESTRA BRASS
PRINCIPALS QUINTET.**
Tawes Recital Hall.

***Thursday, June 14, 8:15 p.m.*
**MANCHESTER
STRING QUARTET.**
Tawes Recital Hall.

**Saturday, June 16, 8:15 p.m.*
**NATIONAL ORCHESTRAL
INSTITUTE
PHILHARMONIC.**
NEAL STULBERG,
Conductor.
Tawes Theatre.

Mozart
Symphony no. 41

Donald Erb
Prismatic Variations

Sibelius
Symphony no. 2

**Saturday, June 23, 8:15 p.m.*
**NATIONAL ORCHESTRAL
INSTITUTE
PHILHARMONIC.**
MAXIMIANO VALDES,
Conductor.
Tawes Theatre.

Debussy
Afternoon of a Faun

Prokofiev
*Romeo and Juliet,
Suites 1 & 2*

Tchaikovsky
Symphony no. 6

***Wednesday, June 27*
**BALTIMORE SYMPHONY
ORCHESTRA
WOODWIND QUINTET**
Tawes Recital Hall.

Saturday, June 30, 8:00 p.m.
**NATIONAL ORCHESTRAL
INSTITUTE
PHILHARMONIC.**
JAMES DEPREIST,
Conductor.
Joseph Meyerhoff
Symphony Hall, Baltimore.

Schuman
New England Tryptich

Brahms
Symphony no. 3

Bartok
Concerto for Orchestra

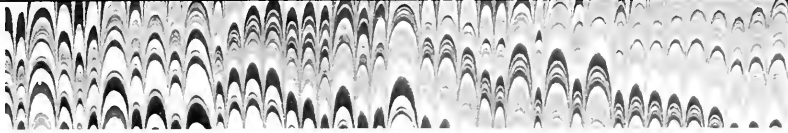
Saturday, July 7, 8:15 p.m.



**PAUL
WINTER
CONSORT.**
Tawes
Theatre.

**Free and open to the general public, but ticket required*

***Free and open to the general public. No ticket required, but seating is limited.*



SESSION II



Sunday, July 15, 8:30 p.m.
MENAHEM PRESSLER,
 pianist.

Monday, July 16, 8:30 p.m.
JOHN BROWNING, pianist.

Tuesday, July 17, 8:30 p.m.
ANTON KUERTI, pianist.



Wednesday, July 18, 8:30 p.m.
**KALICHSTEIN/LAREDO/
 ROBINSON TRIO.**



Friday, July 20, 8:30 p.m.
WALTER KLIEN, pianist.

All performances in Tawes Theatre.

COMPLIMENTARY TICKETS

Students who register for Summer Sessions, and students, faculty, staff and alumni who purchase a Summer Activity Card are eligible for one complimentary ticket for each of ten 1990 performing arts events listed above.

HOW TO QUALIFY

Registered Summer Sessions students present their Registration Card at the Tawes Theatre Box Office. Faculty, staff, alumni and students not registered for Summer Sessions may purchase a Summer Activity Card at the Campus Recreation Services Window located in the Reckord Armory Lobby, and then present the card at the Tawes Theatre Box Office.

WHERE AND WHEN

Tawes Theatre Box Office will be open Monday through Friday, 12:30-5:30 p.m., and at 7:30 p.m. on performance evenings. Beginning Monday, June 4, Summer Activity Card holders will be issued complimentary tickets on a weekly, first-come, first-served basis. A schedule of ticket distribution dates will be published and distributed to Summer Sessions registrants and purchasers of Activity Cards.

For more information, or to receive a Summer Season brochure, call 454-4241.

All programs subject to change.

“...THIS WAS A SENSATIONAL
PERFORMANCE — FAR, FAR
MORE THAN A GOOD TRY BY A
BUNCH OF TALENTED KIDS.”

Arundel Sun, July 1989

THE NATIONAL ORCHESTRAL INSTITUTE

University of Maryland
College Park
June 8-30, 1990



NINETY TALENTED YOUNG MUSICIANS FROM THROUGHOUT THE NATION WILL BE IN RESIDENCE, ON FULL SCHOLARSHIPS, TO STUDY THE GREAT ORCHESTRAL LITERATURE WITH INTERNATIONALLY RENOWNED CONDUCTORS AND PRINCIPAL MUSICIANS FROM AMERICA'S LEADING ORCHESTRAS. DAILY REHEARSALS WILL CULMINATE IN THREE PUBLIC CONCERTS:



Saturday, June 16 and 23
Tawes Theatre.

Saturday, June 30
Joseph Meyerhoff
Symphony Hall, Baltimore.

For ticket information
contact the Tawes Theatre
Summer Box Office,
454-2201.

The National Orchestral Institute is open to undergraduate, graduate and post-graduate students, aged 18 to 30. For audition information, contact:

Donald Reinhold,
Administrative Director
National Orchestral
Institute
Summer and Special
Programs


University of Maryland
College Park, MD 20742-5321
(301) 454-5276



*Free and open to the general public,
but tickets required.*

Members of the 1989 National Orchestral Institute in rehearsal, and in performance with conductors Catherine Comet and Yoel Levi

UNIVERSITY OF MARYLAND



International
Piano Festival
and
William Kapell
Competition

July 12-21, 1990

Seymour Lipkin,
Artistic Director

20TH EDITION



Sunday, July 15, 8:30 p.m.
MENAHÉM PRESSLER,
 pianist.

Monday, July 16, 8:30 p.m.
JOHN BROWNING, pianist.

Tuesday, July 17, 8:30 p.m.
ANTON KUERTI, pianist.



Wednesday, July 18, 8:30 p.m.
**KALICHSTEIN/LAREDO/
 ROBINSON TRIO.**



Friday, July 20, 8:30 p.m.
WALTER KLIEN, pianist.

All performances in Tawes Theatre.

A **COMPETITION OPEN TO PIANISTS**
 AGED 18-33, OFFERING OVER \$50,000
 IN CASH PRIZES. FIRST PRIZE, \$20,000 AND
 RECITAL ENGAGEMENTS INCLUDING ALICE
 TULLY HALL, LINCOLN CENTER, NEW YORK.



**All competition rounds are open to the public.*

**Finals at the Kennedy Center Washington, D.C. Phase I - Recital, July 19. Phase II - Concerto,
 with the National Symphony Orchestra conducted by Stanislaw Skrowaczewski, July 21.*

For a Festival Brochure and Registration information, contact:

Donald Reinhold, Coordinator
 Piano Festival
 Office of Summer and Special Programs
 University of Maryland
 College Park, MD 20742-5321

(301) 454-5276



A EED AGRICULTURAL AND EXTENSION EDUCATION (AGRICULTURE)

A EED 325	Directed Experience in Extension Education 1-5 credits, Grading Method: REG Prerequisite: satisfactory academic average and permission of department			
0101	Time Arranged	Room Arranged	Miller, M	
Fall-time observation and participation in selected aspects of extension education in an approved training county.				
A EED 489	Field Experience 1-4 credits, Grading Method: REG Permission of department required	Contact department to make arrangements		
0101	Time Arranged	Room Arranged	Miller, M	
0201	Time Arranged	Room Arranged	Miller, M	
Planned field experience for both major and non-major students. Repeatable to a maximum of four credits.				
A EED 499	Special Problems 1-3 credits, Grading Method: REG Permission of department required	Contact department to make arrangements		
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
A EED 699	Special Problems 1-3 credits, Grading Method: REG Permission of department required	Contact department to make arrangements		
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
A EED 799	Master's Thesis Research 1-6 credits, Grading Method: REG 0101 Time Arranged Room Arranged Staff 0201 Time Arranged Room Arranged Staff			
A EED 899	Doctoral Dissertation Research 1-8 credits, Grading Method: REG 0101 Time Arranged Room Arranged Staff 0201 Time Arranged Room Arranged Staff			

AGRO AGRONOMY (AGRICULTURE)

AGRO 386	Field Work 1-3 credits, Grading Method: REG-P-F-AUD Permission of department required			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
AGRO 387	Field Work Analysis 1-3 credits, Grading Method: REG-P-F-AUD Permission of department required			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
AGRO 499	Special Problems in Agronomy 1-3 credits, Grading Method: REG-P-F-AUD 0101 Time Arranged Room Arranged Staff 0201 Time Arranged Room Arranged Staff			
AGRO 600	Research Methods 2 credits, Grading Method: REG-AUD 0101 Time Arranged Room Arranged Staff 0201 Time Arranged Room Arranged Staff			
AGRO 608A	Research Methods: Field Studies in Pedology 1-4 credits, Grading Method: REG-AUD Permission of department required			
0201	Time Arranged	Room Arranged	Rabenhorst, M	
AGRO 799	Master's Thesis Research 1-6 credits, Grading Method: REG 0101 Time Arranged Room Arranged Staff 0201 Time Arranged Room Arranged Staff			
AGRO 899	Doctoral Dissertation Research 1-8 credits, Grading Method: REG 0101 Time Arranged Room Arranged Staff 0201 Time Arranged Room Arranged Staff			

AMST AMERICAN STUDIES (ARTS AND HUMANITIES)

AMST 201	Introduction to American Studies 3 credits, Grading Method: REG-P-F-AUD Meets USP Distributive Studies (A) Cultural and Historical requirement.			
0101	MTuWTh 11:00am-12:40pm	Bldg TLF, Room 2108	Metcalf, G	
0201	MTuWTh 12:30pm-2:00pm	Bldg TLF, Room 2108	Rogers, A	
Introduction to American culture and society by examining the concept of "self" in American autobiographical writing and the concept of "society" in accounts of various communities.				
AMST 205	Material Aspects of American Life 3 credits, Grading Method: REG-AUD Meets USP Distributive Studies (A) Cultural and Historical requirement			
0101	TuTh 1:00pm-4:00pm	Bldg TLF, Room 2126	Sies, M	
Historical survey of American material culture. Ways of describing and interpreting accumulated material evidence, e.g. buildings, town plans, introduced by stressing relationship between artifact and culture.				
AMST 330	Critics of American Culture 3 credits, Grading Method: REG-P-F-AUD Meets USP Advanced Studies Analysis of Human Problems requirement. Prerequisite: prior course in AMST, HIST, or SOCY.			
0201	TuTh 9:00am-10:00pm	Bldg TLF, Room 2108	Mintz, L	
Philosophy of American social purpose and promise. Readings from "Literary" American thinkers, contemporary social commentators, and American studies scholars.				
AMST 386	Field Work 1-3 credits, Grading Method: REG-P-F-AUD Permission of department required			
0101	Time Arranged	Room Arranged	Staff	
AMST 387	Field Work Analysis 1-3 credits, Grading Method: REG-P-F-AUD Permission of department required			
0101	Time Arranged	Room Arranged	Staff	
AMST 398	Independent Studies 1-3 credits, Grading Method: REG-P-F-AUD 0101 Time Arranged Room Arranged Staff 0201 Time Arranged Room Arranged Staff			
AMST 418A	Cultural Themes in America: Culture and Specialty in American Humor 3 credits, Grading Method: REG-P-F-AUD 0101 TuTh 1:00pm-4:00pm Bldg TLF, Room 2110 Mintz, L			
This course will examine humor as a reflection of, and influence on American values, beliefs, and social institutions. It will include theoretical discourse, an historical survey, and a study of contemporary humor considered in a variety of sources—literature, journalism, graphic arts, the mass media, and oral traditions. Attention will be given to the construction of stereotypes, and to the treatment of important social concerns (the family, sexuality, class structure, political issues).				
AMST 428A	American Cultural Eras: Social Dramas in American Cultural History 3 credits, Grading Method: REG-P-F-AUD Meets USP Advanced Studies Development of Knowledge requirement			
0101	MW 7:00pm-10:00pm	Bldg HBK, Room 4205	Lounsbury, M	
Applying the methods of sociology, rhetorical analysis, and anthropology, the course will explore the dramatic nature of face-to-face relationships, small group behavior, and public media events. After placing American social dramas in historical perspective, we will focus on the 1960's, the "Heroes" (John F. Kennedy, Martin Luther King, Malcolm X), communal activities (the Merry Pranksters, the Eden Institute) and radical demonstrations (Post Berkeley, 1968 Chicago). Prerequisite: a prior course in American studies, American history or sociology.				

AMST continued

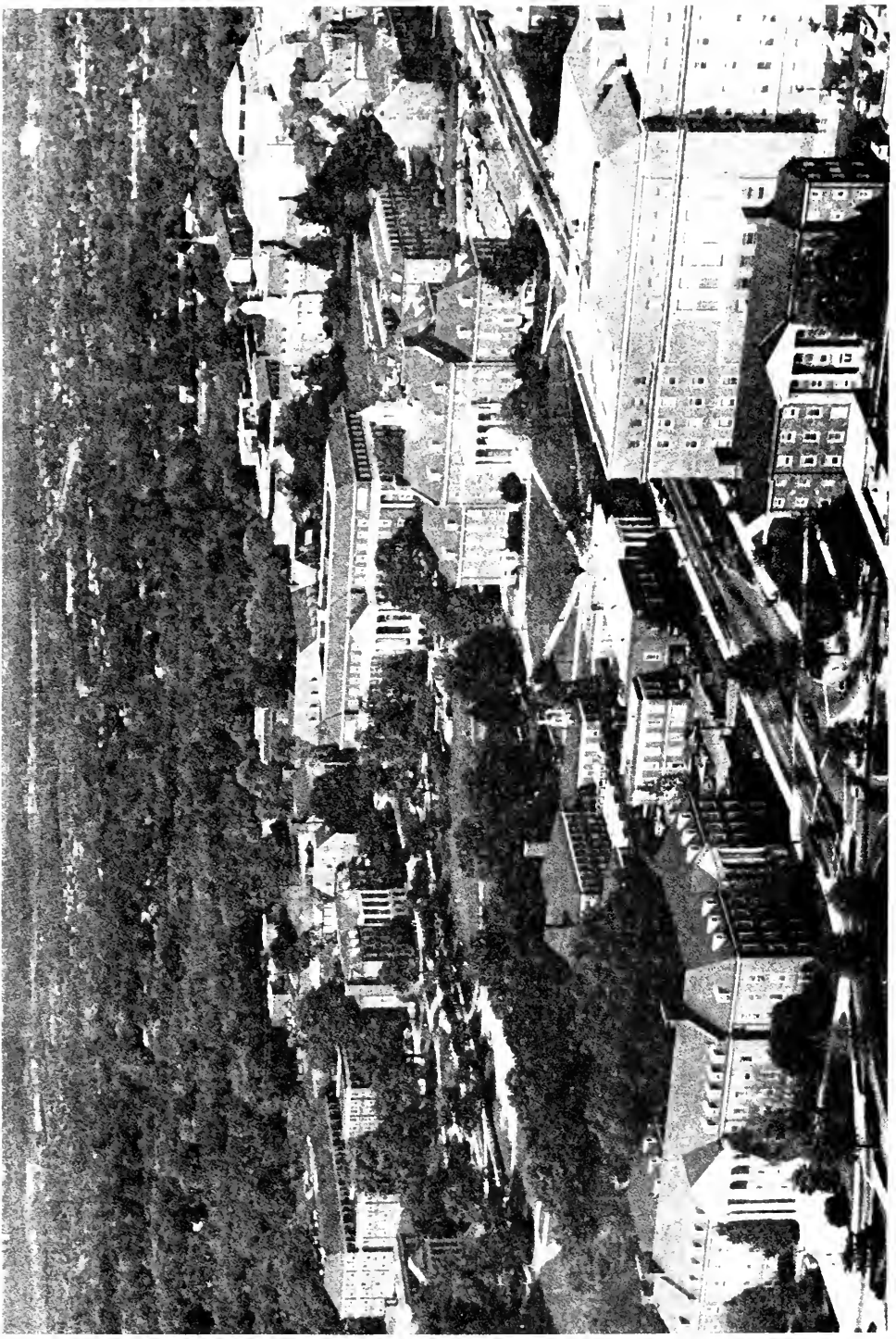
AMST 428B	American Cultural Eras: American Film Culture in the 1960's 3 credits, Grading Method: REG-P-F-AUD Meets USP Advanced Studies Analysis of Human Problems requirement.			
0101	MW 1:00pm-4:00pm	Bldg HBK, Room 4205	Lounsbury, M	
Investigating the interaction between the film medium and an era of significant cultural change, the course will emphasize: 1) institutional factors (the Hollywood industry, the avant-garde film critics) that influence the production and appreciation of the motion picture; 2) Hollywood genres (the horror film, the war movie, the gangster melodrama) undergoing substantial transformations during this period; 3) documentaries and experimental narrative films exploring the medium as an instrument for social observation and reform. Prerequisite: one of the following: American studies course; a film course; a twentieth-century American history course; an art history course; a sociology course.				
AMST 698	Directed Readings in American Studies 3 credits, Grading Method: REG/AUD 0101 Time Arranged Room Arranged Staff 0201 Time Arranged Room Arranged Staff			
AMST 799	Master's Thesis Research 1-6 credits, Grading Method: REG 0101 Time Arranged Room Arranged Staff 0201 Time Arranged Room Arranged Staff			
AMST 899	Doctoral Dissertation Research 1-8 credits, Grading Method: REG 0101 Time Arranged Room Arranged Staff 0201 Time Arranged Room Arranged Staff			

ANSC ANIMAL SCIENCE (AGRICULTURE)

ANSC 386	Field Work 1-3 credits, Grading Method: REG-P-F-AUD Permission of department required			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
ANSC 387	Field Work Analysis 1-3 credits, Grading Method: REG-P-F-AUD Permission of department required			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
ANSC 399	Special Problems in Animal Science 1-2 credits, Grading Method: REG-P-F-AUD Permission of department required			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
ANSC 660	Poultry Literature 1-4 credits, Grading Method: REG/AUD Permission of department required			
0101	Time Arranged	Room Arranged	Doerr, J	
0201	Time Arranged	Room Arranged	Doerr, J	
Readings on individual topics are assigned. Written reports required. Methods of analysis and presentation of scientific material are discussed.				
ANSC 699	Special Problems in Animal Science 1-2 credits, Grading Method: REG/AUD Permission of department required			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
ANSC 799	Master's Thesis Research 1-6 credits, Grading Method: REG Permission of department required			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
ANSC 899	Doctoral Dissertation Research 1-8 credits, Grading Method: REG Permission of department required			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	

ANTH ANTHROPOLOGY (BEHAVIORAL AND SOCIAL SCIENCES)

ANTH 241	Introduction to Archaeology 3 credits, Grading Method: REG-P-F-AUD Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement.			
0101	MTuWThF 9:30am-10:50am	Bldg KEY, Room 0102	Stuart, W	
A survey of the basic aims and methods of archeological field work and interpretation, with emphasis on the reconstruction of prehistoric ways of life.				
ANTH 389A	Research Problems 1-6 credits, Grading Method: REG-P-F-AUD Permission of department required			
0101	Meets JUN 4 to JUL 13	Time Arranged	Room Arranged	Leone, M
ANTH 401	Cultural Anthropology: Principles and Processes 3 credits, Grading Method: REG Meets USP Advanced Studies Development of Knowledge requirement. Prerequisites: ANTH 101, ANTH 102, or ANTH 221			
0101	MTuWThF 12:30pm-1:50pm	Bldg TYD, Room 2108	Stuart, W	
An examination of the nature of human culture and its processes, both historical and functional. The approach will be topical and theoretical rather than descriptive.				
ANTH 499A	Field Methods in Archaeology: Summer Field School in Archaeology 6 credits, Grading Method: REG-P-F-AUD See special programs section of catalog			
0101	Meets JUN 4 to JUL 13	Time Arranged	Room Arranged	Leone, M
ANTH 689A	Special Problems in Anthropology 1-6 credits, Grading Method: REG/AUD 0101 Meets MAY 30 to JUL 6 MTuWThF 8:00am-4:00pm			
0201	Time Arranged	Room Arranged	Room Arranged	Leone, M Staff
ANTH 699A	Advanced Field Training in Archaeology: Summer Field School in Archaeology 6 credits, Grading Method: REG/AUD See special programs section of catalog			
0101	Meets JUN 4 to JUL 13	Time Arranged	Room Arranged	Leone, M
ANTH 705	Internship 6-12 credits, Grading Method: REG/AUD Permission of department required. Prerequisite: ANTH 701.			
0101	Time Arranged	Room Arranged	Staff	
Problem-oriented internship with an appropriate public agency or private institution under the direction of a faculty and agency supervisor.				
ANTH 712	Internship Analysis 3 credits, Grading Method: REG/AUD Prerequisite: ANTH 705			
0101	Time Arranged	Room Arranged	Whitehead, T	
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.				



APDS

APPLIED DESIGN (ARTS AND HUMANITIES)

- APDS 101 Fundamentals of Design 3 credits, Grading Method REG P-F/AUD**
For pre-design, design, fashion merchandising, textile marketing, apparel design and landscape design majors only. Additional lab time to be arranged.
- 0101 Meets JUN 4 to JUL 26
TuTh 9:00am-12:30pm Bldg MMH, Room 2411 (LAB) Eckersley, M
Time Arranged Room Arranged (LAB)
- Knowledge of basic art elements and principles gained through design projects which employ a variety of media.
- APDS 102 Design II 3 credits, Grading Method REG P-F/AUD**
Prerequisite: APDS 101. For pre-design, advertising design, and interior design majors only. Additional lab time to be arranged.
- 0101 Meets JUN 4 to JUL 26
MWF 9:00am-12:00pm Bldg MMH, Room 2415 (LAB) Sham, F
Time Arranged Room Arranged (LAB)
- Continued exploration of design as a means of visual expression with added emphasis on color and lighting.
- APDS 103 Design III: Three-Dimensional Design 3 credits, Grading Method REG P-F/AUD**
Pre- or corequisite: APDS 102. For pre-design, advertising design, and interior design majors only. Additional lab time to be arranged.
- 0101 Meets JUN 4 to JUL 26
MWF 1:00pm-4:00pm Bldg MMH, Room 2415 (LAB) Sham, F
Time Arranged Room Arranged (LAB)
- Creative efforts directed to discriminating use of form, volume, depth, and movement.
- APDS 210 Presentation Techniques I 3 credits, Grading Method REG**
Prerequisites: EDIT 160, and APDS 103 or equivalent. For advertising design majors only. This course is being offered contingent on enrollment. Additional lab time to be arranged.
- 0101 Meets JUN 4 to JUL 26
TuTh 8:00am-12:30pm Bldg MMH, Room 1413 (LAB) Davis, S
Time Arranged Room Arranged (LAB)
- Emphasis on basic drawing including the human figure and illustration techniques used in several areas of graphic design.
- APDS 211 Action Drawing: Fashion Sketching 3 credits, Grading Method REG**
Prerequisites: EDIT 160, and APDS 103. For advertising design majors only. This course is being offered contingent on enrollment. Additional lab time to be arranged.
- 0101 Meets JUN 4 to JUL 26
MW 1:30pm-6:00pm Bldg MMH, Room 1413 (LAB) Thorpe, J
Time Arranged Room Arranged (LAB)
- Study of the balance and proportions of the human figure and sketching techniques, applied to action poses and fashion drawing in soft and lithograph pencils, pastels, water color, ink. Drawing from model.
- APDS 237 Photography 3 credits, Grading Method REG P-F/AUD**
Prerequisite: APDS 103. For advertising design majors only. This course is being offered contingent on enrollment. Additional lab time to be arranged.
- 0101 Meets JUN 4 to JUL 26
TuTh 8:00am-12:30pm Bldg MMH, Room 0110 (LAB) Gates, J
Time Arranged Room Arranged (LAB)
- Study of fundamental camera techniques. Exploration of the expressive possibilities in relation to the field of design and visual communication.
- APDS 431 Advanced Problems in Advertising Design 3 credits, Grading Method REG P-F/AUD**
Prerequisite: APDS 430. For advertising design majors only.
- 0101 Meets JUN 4 to JUL 26
MW 8:00am-12:30pm Bldg MMH, Room 1413 Thorpe, J
Time Arranged Room Arranged (LAB)
- Additional lab time to be announced. Advanced problems in design and layout planned for developing competency in one or more areas of advertising design.
- APDS 499A Individual Problems in Applied Design 3-4 credits, Grading Method REG P-F/AUD**
Permission of department required.
- 0101 Time Arranged Room Arranged Staff
- APDS 499S Individual Problems in Applied Design: Advanced problems in Typography: Typography as Imagery 3 credits, Grading Method REG P-F/AUD**
Prerequisite: APDS 330. This course is to be offered contingent on enrollment.
- 0101 Meets JUN 4 to JUL 26
TuTh 1:00pm-5:00pm Bldg MMH, Room 1413 Davis, S
TuTh 1:00pm-5:00pm Bldg MMH, Room 1413 (LAB)

ARCH

ARCHITECTURE (ARCHITECTURE)

- ARCH 170 Introduction to the Built Environment 3 credits, Grading Method REG P-F/AUD**
Meets USP Distributive Studies (C) Literature and the Arts requirement.
- 0101 MTuWThF 9:30am-10:50am Bldg ARC, Room 1105 Staff
0102 MTuWThF 10:00am-11:20pm Bldg ARC, Room 1123 Staff
- Introduction to conceptual, perceptual, historical and technical aspects of environmental design, methods of analysis, problem solving and project implementation.
- ARCH 220 History of Architecture I 3 credits, Grading Method REG P-F/AUD**
- 0101 MTuWThF 11:00am-12:20pm Bldg ARC, Room 1101 Staff
- Survey of Western architectural history to the Renaissance. With consideration of parallel developments in the Eastern World.
- ARCH 221 History of Architecture II 3 credits, Grading Method REG P-F/AUD**
Prerequisite: ARCH 220 or permission of department.
- 0201 MTuWThF 11:00am-12:20pm Bldg ARC, Room 1101 Staff
- Survey of Western architectural history from the Renaissance to the Twentieth Century. With consideration of parallel developments in the Eastern World.
- ARCH 242 Drawing I 2 credits, Grading Method REG P-F/AUD**
- 0101 MW 7:00am-10:00pm Bldg ARC, Room 1121 Staff
0102 TuTh 7:00pm-10:00pm Bldg ARC, Room 1123 Staff
- Introduces the student to basic techniques of sketching and use of various media.
- ARCH 312 Architectural Structures I 3 credits, Grading Method REG P-F/AUD**
Prerequisites: MATH 220, and PHYS 122. Recommended: ARCH 401. For ARCH majors only.
- 0101 Meets JUN 4 to AUG 24
TuTh 7:00pm-8:30pm Bldg ARC, Room 1121 Staff
- Principles of behavior displayed in architectural structural systems, elements and materials; equilibrium and stability; distribution of forces and stresses; strength and stiffness. Revolutions of truss, reaction, shear, deflection, and buckling of systems and elements.
- ARCH 408C Selected Topics in Architecture Studio: College Park Studio 3 credits, Grading Method REG P-F/AUD**
Prerequisite: ARCH 403 or equivalent.
- 0101 MWTh 1:00pm-5:00pm Bldg ARC, Room 1105 Staff
0201 MWTh 1:00pm-5:00pm Bldg ARC, Room 1127 Staff
- Comprehensive building and urban design, studio options in advanced topical problems.

ARCH continued

- ARCH 428 Selected Topics in Architectural History: Selected Topics 1-3 credits, Grading Method REG P-F/AUD**
Permission of department required. Majors only. Contact L. Vann for information.
- 0101 Time Arranged Room Arranged Staff
0201 Time Arranged Room Arranged Staff
- ARCH 429 Independent Studies in Architectural History 1-4 credits, Grading Method REG P-F/AUD**
Majors only. Contact L. Vann for information.
- 0101 Time Arranged Room Arranged Staff
0201 Time Arranged Room Arranged Staff
- ARCH 470 Computer Applications in Architecture 3 credits, Grading Method REG P-F/AUD**
Permission of department required. Prerequisite: ARCH 400 or permission of department.
- 0101 MW 7:00pm-10:00pm Bldg ARC, Room 1125 Staff
- Introduction to computer programming and utilization, with emphasis on architectural applications.
- ARCH 479 Independent Studies in Architecture 1-4 credits, Grading Method REG P-F/AUD**
- 0101 Time Arranged Room Arranged Staff
0201 Time Arranged Room Arranged Staff
- ARCH 481 The Architect in Archaeology 3 credits, Grading Method REG P-F/AUD**
Permission of department required. Prerequisite: permission of department. Contact L. Vann for information.
- 0101 Time Arranged Room Arranged Vann, R
0201 Time Arranged Room Arranged Vann, R
- The role of the architect in field archaeology and the analysis of excavating, recording, and publishing selected archaeological expeditions.
- ARCH 482 The Archaeology of Roman and Byzantine Palestine 3 credits, Grading Method REG P-F/AUD**
Permission of department required. Contact L. Vann for information.
- 0101 Time Arranged Room Arranged Vann, R
- Archaeological sites in Palestine (Israel and Jordan) from the reign of Herod the Great to the Moslem conquest.
- ARCH 483 Field Archaeology 3 credits, Grading Method REG P-F/AUD**
Permission of department required. Prerequisite: permission of department. Contact L. Vann for information.
- 0101 Time Arranged Room Arranged Vann, R
- Participation in field archaeology with an excavation officially recognized by proper authorities of local government.
- ARCH 488C Selected Topics in Architectural Preservation: Selected Topics Cape May Workshop 3 credits, Grading Method REG P-F/AUD**
Permission of department required. Course is conducted at Hotel Chalfonte, Cape May, New Jersey.
- 0101 Meets MAY 29 to JUN 14
Time Arranged Room Arranged Fogle, D
- ARCH 628 Selected Topics in Architectural History: Architectural History 1-3 credits, Grading Method REG/AUD**
Permission of department required. Majors only. Contact L. Vann for information.
- 0101 Time Arranged Room Arranged Staff
0201 Time Arranged Room Arranged Staff
- ARCH 629 Independent Studies in Architectural History 1-3 credits, Grading Method REG/AUD**
Permission of department required. Majors only. Contact L. Vann for information.
- 0101 Time Arranged Room Arranged Staff
0201 Time Arranged Room Arranged Staff

AREC AGRICULTURE AND RESOURCE ECONOMICS (AGRICULTURE)

- AREC 365 World Hunger, Population, and Food Supplies 3 credits, Grading Method REG P-F/AUD**
Meets USP Advanced Studies Analysis of Human Problems requirement.
- 0101 MTuWThF 9:30am-10:50am Bldg SYM, Room 2109 Russell, J
- An introduction to the problem of world hunger and possible solutions to it. World demand, supply, and distribution of food. Alternatives for leveling off world food demand, increasing the supply of food, and improving its distribution. Environmental limitations to increasing world food production.
- AREC 399 Special Problems 1-2 credits, Grading Method REG P-F/AUD**
- 0101 Time Arranged Room Arranged Staff
0201 Time Arranged Room Arranged Staff
- AREC 699 Special Problems in Agricultural and Resource Economics 1-2 credits, Grading Method REG/AUD**
- 0101 Time Arranged Room Arranged Staff
0201 Time Arranged Room Arranged Staff
- AREC 799 Master's Thesis Research 1-6 credits, Grading Method REG**
- 0101 Time Arranged Room Arranged Staff
0201 Time Arranged Room Arranged Staff
- AREC 899 Doctoral Dissertation Research 1-8 credits, Grading Method REG**
- 0101 Time Arranged Room Arranged Staff
0201 Time Arranged Room Arranged Staff

ARTH

ART HISTORY (ARTS AND HUMANITIES)

- ARTH 100 Introduction to Art 3 credits, Grading Method REG P-F/AUD**
Meets USP Distributive Studies (C) Literature and the Arts requirement.
- 0101 MTuWThF 9:30am-10:50am Bldg ASY, Room 1213 Ottesen, B
0201 MTuWThF 9:30am-10:50am Bldg ASY, Room 1213 Firmani, D
- Major approaches to understanding the visual arts, and includes analysis of techniques, subject matter, and form. Painting, sculpture, architecture, and the graphic arts.
- ARTH 200 Art of the Western World I 3 credits, Grading Method REG P-F/AUD**
Meets USP Distributive Studies (C) Literature and the Arts requirement. Formerly ARTH 260.
- 0101 MTuWThF 11:00am-12:20pm Bldg ASY, Room 1213 Firmani, D
0201 MTuWThF 2:00pm-3:20pm Bldg ASY, Room 1213 Stylianopoulos, L
- Painting, sculpture, and architecture from prehistory to the Renaissance.
- Art of the Western World II 3 credits, Grading Method REG P-F/AUD**
Meets USP Distributive Studies (C) Literature and the Arts requirement. Formerly ARTH 261.
- 0101 MTuWThF 12:30pm-1:50pm Bldg ASY, Room 1213 Danny, D
0201 MTuWThF 11:00am-12:20pm Bldg ASY, Room 1213 Peters-Campbell, J
- Painting, sculpture, and architecture from the Renaissance to the present.
- ARTH 355 Twentieth-Century Art 3 credits, Grading Method REG P-F/AUD**
- 0101 MWTh 2:00pm-3:30pm Bldg ASY, Room 1213 Rindge, D
- Survey of major trends in painting and sculpture, in Europe and America, from approximately 1900 to the present.



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GUIDELINES FOR COURSE SELECTION

Courses with multiple sections may be offered in both summer sessions. The session for which a specific section is scheduled is designated by the first two digits of the section number: 01 for Summer Session I; 02 for Summer Session II.

If the course or section meeting dates deviate from the regular Summer Session dates, the specific starting and ending dates are displayed below the title for the course. The section number indicates the session to which a nonstandard course or section belongs for registration purposes.

Below are 3 examples of typical course listings in the schedule of classes. In using the registration forms students should take care that the form for the proper session is completed: the Session I form is for course sections beginning with 01; the Session II form is for course sections beginning with 02.

USE OF THE WRONG FORM WILL INVALIDATE THE REGISTRATION

Additional information on nonstandard date courses may be found in the *Course Catalog*. In many instances registration,

PLACE
STAMP
HERE

39 P-F/Aud
Approved Courses
Staff
Staff
Staff

*ON FIVE DAYS PER WEEK AT THE
SESSION FIVE DAYS PER WEEK AT
BUILDING) AND SECTIONS 0102
COURSE CODES ARE LISTED WITH THE*

Reg P-F/Aud
Rosen, M
Owens, G
Movement.

*ON FIVE DAYS PER WEEK AT THE
NON-STANDARD DATE*

1 credits; grading
Fleming, L

*IS OFFERED BETWEEN JULY 11
THE ONLY ONE TO A SUMMER SESSION II COURSE AND THE SESSION II REGISTRATION FORM MUST BE
USED.*

Any course that has the note "BY PERMISSION ONLY" requires a Department Stamp next to your course listing(s) on the Schedule Request Form. This stamp must be obtained from the Department offering the course prior to registration for the course.

SUMMER SESSION FORM BOOKLET

Bursar
Sessions Registration
Lee Building
of Maryland
k, Maryland 20742

APDS

APPLIED DESIGN (ARTS AND HUMANITIES)

APDS 101	Fundamentals of Design 3 credits. Grading Method: REG/P-F/AUD For pre-design, design, fashion merchandising, textile marketing, apparel design and landscape design majors only. Additional lab time to be arranged.
0101	Meets JUN 4 to JUL 26 TuTh 9:00am-1:30pm Time Arranged Bldg MMH, Room 2411 (LAB) Eckersley, M Room Arranged (LAB) Knowledge of basic art elements and principles gained through design problems which employ a variety of media.
APDS 102	Design II 3 credits. Grading Method: REG/P-F/AUD Prerequisite: APDS 101. For pre-design, advertising design, and interior design majors only. Additional lab time to be arranged.
0101	Meets JUN 4 to JUL 26 MWF 9:00am-12:00pm Time Arranged Bldg MMH, Room 2415 (LAB) Sham, F Room Arranged (LAB) Continued exploration of design as a means of visual expression with added emphasis on color and lighting.
APDS 103	Design III: Three-Dimensional Design 3 credits. Grading Method: REG/P-F/AUD Pre- or corequisite: APDS 102. For pre-design, advertising design, and interior design majors only. Additional lab time to be arranged.
0101	Meets JUN 4 to JUL 26 MWF 1:00pm-4:00pm Time Arranged Bldg MMH, Room 2415 (LAB) Sham, F Room Arranged (LAB) Creative efforts directed to discriminating use of form, volume, depth, and movement.
APDS 210	Presentation Techniques I 3 credits. Grading Method: REG Prerequisites: EDIT 160, and APDS 103 or equivalent. For advertising design majors only. This course is being offered contingent on enrollment. Additional lab time to be arranged.
0101	Meets JUN 4 to JUL 26 TuTh 8:00am-12:30pm Time Arranged Bldg MMH, Room 1413 (LAB) Davis, S Room Arranged (LAB) Emphasis on basic drawing including the human figure and illustration techniques used in several areas of graphic design.
APDS 211	Action Drawing: Fashion Sketching 3 credits. Grading Method: REG Prerequisites: EDIT 160, and APDS 103. For advertising design majors only. This course is being offered contingent on enrollment. Additional lab time to be arranged.
0101	Meets JUN 4 to JUL 26 MW 1:30pm-6:00pm Time Arranged Bldg MMH, Room 1413 (LAB) Thorpe, J Room Arranged (LAB) Study of the balance and proportion of the human figure. Sketch techniques applied to action poses and fashion drawing in soft and lithograph pencils, pastels, water color, ink. Drawing from model.
APDS 237	Photography 3 credits. Grading Method: REG/P-F/AUD Prerequisite: APDS 103. For advertising design majors only. This course is being offered contingent on enrollment. Additional lab time to be arranged.
0101	Meets JUN 4 to JUL 26 TuTh 8:00am-12:30pm Time Arranged Bldg MMH, Room 0110 (LAB) Gates, J Room Arranged (LAB) Study of fundamental camera techniques. Exploration of the expressive possibilities in relation to the field of design and visual communication.
APDS 431	Advanced Problems in Advertising Design 3 credits. Grading Method: REG/P-F/AUD Prerequisite: APDS 430. For advertising design majors only.
0101	Meets JUN 4 to JUL 26 MW 8:00am-12:30pm Time Arranged Bldg MMH, Room 1411 Room Arranged (LAB) Additional lab time to be announced. Advanced problems in developing competency in one or more areas of advertising design.
APDS 499A	Individual Problems in Applied Design 3-4 credits. Grading Method: REG/P-F/AUD Permission of department required.
0101	Time Arranged Room Arranged
APDS 499S	Individual Problems in Applied Design: Advanced photography as Imagery 3 credits. Grading Method: REG/P-F/AUD Prerequisite: APDS 330. This course is to be offered conti
0101	Meets JUN 4 to JUL 26 TuTh 1:00pm-5:00pm TuTh 1:00pm-5:00pm Bldg MMH, Room 141 Bldg MMH, Room 141

ARCH

ARCHITECTURE (ARCHITECTURE)

ARCH 170	Introduction to the Built Environment 3 credits. Grading Method: REG/P-F/AUD Meets USP Distributive Studies (C) Literature and the Arts.
0101	MTuWThF 9:30am-10:50am Bldg ARC, Room 110 Introduction to conceptual, perceptual, behavioral and technical design, methods of analysis, problem-solving and project implementation.
ARCH 220	History of Architecture I 3 credits. Grading Method: REG/P-F/AUD
0101	MTuWThF 11:00am-12:20pm Bldg ARC, Room 11C Survey of Western architectural history to the Renaissance. We emphasize the Eastern World.
ARCH 221	History of Architecture II 3 credits. Grading Method: REG/P-F/AUD Prerequisite: ARCH 220 or permission of department.
0201	MTuWThF 11:00am-12:20pm Bldg ARC, Room 11C Survey of Western architectural history from the Renaissance consideration of parallel developments in the Eastern World.
ARCH 242	Drawing I 2 credits. Grading Method: REG/P-F/AUD
0101	MW 7:00pm-10:00pm Bldg ARC, Room 111
0102	TuTh 7:00pm-10:00pm Bldg ARC, Room 111 Introduces the student to basic techniques of sketching and use of drawing instruments.
ARCH 312	Architectural Structures I 3 credits. Grading Method: REG/P-F/AUD Prerequisites: MATH 220, and PHYS 122. Recommen majors only.
0101	Meets JUN 4 to AUG 24 TuTh 7:00pm-8:30pm Bldg ARC, Room 111 Principles of behavior displayed in architectural structural systems, elements and materials, equilibrium and stability, distribution of forces and stress, strength and stiffness, Resolutions of forces, reactions, moments, shears, deflection, and balancing of systems and elements.
ARCH 408C	Selected Topics in Architecture Studio: College Park Studio 3 credits. Grading Method: REG/P-F/AUD Prerequisite: ARCH 403 or equivalent.
0101	MWTh 1:00pm-5:00pm Bldg ARC, Room 1105 Staff
0201	MWTh 1:00pm-5:00pm Bldg ARC, Room 1127 Staff Comprehensive building and urban design, studio options in advanced topical problems.

ARCH continued

ARCH 428	Selected Topics in Architectural History: Selected Topics 1-3 credits. Grading Method: REG/P-F/AUD Permission of department required. Majors only. Contact L. Vann for information.
0101	Time Arranged Room Arranged Staff
0201	Time Arranged Room Arranged Staff
ARCH 429	Independent Studies in Architectural History 1-4 credits. Grading Method: REG/P-F/AUD Majors only. Contact L. Vann for information.
0101	Time Arranged Room Arranged Staff
0201	Time Arranged Room Arranged Staff
ARCH 470	Computer Applications in Architecture 3 credits. Grading Method: REG/P-F/AUD Permission of department required. Prerequisite: ARCH 400 or permission of department.
0101	MW 7:00pm-10:00pm Bldg ARC, Room 1125 Staff Introduction to computer programming and utilization, with emphasis on architectural applications.
ARCH 479	Independent Studies in Architecture 1-4 credits. Grading Method: REG/P-F/AUD
0101	Time Arranged Room Arranged Staff
0201	Time Arranged Room Arranged Staff
ARCH 481	The Architect in Archaeology 3 credits. Grading Method: REG/P-F/AUD Permission of department required. Prerequisite: permission of department. Contact L. Vann for information.
0101	Time Arranged Room Arranged Vann, R The role of the architect in field archaeology and the analysis of excavating, recording, and publishing selected archaeological expeditions.
ARCH 482	The Archaeology of Roman and Byzantine Palestine 3 credits. Grading Method: REG/P-F/AUD Permission of department required. Contact L. Vann for information.
0101	Time Arranged Room Arranged Vann, R Archaeological sites in Palestine (Israel and Jordan) from the reign of Herod the Great to the Moslem conquest.
ARCH 483	Field Archaeology 3 credits. Grading Method: REG/P-F/AUD Permission of department required. Prerequisite: permission of department. Contact L. Vann for information.
0101	Time Arranged Room Arranged Vann, R Participation in field archaeology, with an excavation officially recognized by proper authorities of local government.
ARCH 488C	Selected Topics in Architectural Preservation: Selected Topics Cape May Workshop 3 credits. Grading Method: REG/P-F/AUD Permission of department required. Course is conducted at Hotel Chalfonte, Cape May, New Jersey.
0101	Meets MAY 29 to JUN 14 Time Arranged Room Arranged Fogle, D
ARCH 628	Selected Topics in Architectural History: Architectural History 1-3 credits. Grading Method: REG/AUD Permission of department required. Majors only. Contact L. Vann for information.
0101	Time Arranged Room Arranged Staff
0201	Time Arranged Room Arranged Staff
ARCH 629	Independent Studies in Architectural History 1-3 credits. Grading Method: REG/AUD Permission of department required. Majors only. Contact L. Vann for information.
----	Time Arranged Room Arranged Staff

1. IF YOU ARE NOT CURRENTLY ENROLLING, HAVE YOU INCLUDED AN ADMISSIONS FORM?
2. HAVE YOU INCLUDED YOUR CLASS SCHEDULE?
3. HAVE YOU ENCLOSED YOUR CHECK?

0101	Meets USP Distributive Studies (C) Literature and the Arts requirement. University ARTH 261.
0201	MTuWThF 12:30pm-1:50pm Bldg ASY, Room 1213 Denny, D
0201	MTuWThF 11:00am-12:20pm Bldg ASY, Room 1213 Peters-Campbell, J Painting, sculpture, and architecture from the Renaissance to the present.
ARCH 355	Twentieth-Century Art 3 credits. Grading Method: REG/P-F/AUD
0201	MTuWThF 2:00pm-3:20pm Bldg ASY, Room 1213 Rindge, D Survey of major trends in painting and sculpture, in Europe and America, from approximately 1900 to the present.



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If the course or section meeting dates deviate from the regular Summer Session dates, the specific starting and ending dates are displayed below the title for the course. The section number indicates the session to which a nonstandard course or section belongs for registration purposes.

Below are 3 examples of typical course listings in the schedule of classes. In using the registration forms students should take care that the form for the proper session is completed: the Session I form is for course sections beginning with 01; the Session II form is for course sections beginning with 02.

USE OF THE WRONG FORM WILL INVALIDATE THE REGISTRATION

Additional information on nonstandard date courses may be found on page 6 of the catalog. In many instances registration, billing and grading procedures will be different for these courses.

- ECON 205 Fundamentals of Economics** 3 credits; grading method: Reg/P-F/Aud
 USP Distributive Studies (D) Soc and Behavioral Sciences Approved Courses

0101	MTuWThF9	Bldg. G, Rm. 3118	Staff
0102	MTuWThF11	Bldg. GG, Rm. 3111	Staff
0201	MTuWThF9:30	Bldg. GG, Rm. 3109	Staff

IN THIS EXAMPLE, SECTIONS 0101 AND 0102 MEET DURING SUMMER SESSION I FIVE DAYS PER WEEK AT THE TIMES INDICATED. SECTION 0201 MEETS DURING THE SECOND SUMMER SESSION FIVE DAYS PER WEEK AT THE TIME INDICATED. SECTION 0101 MEETS IN BUILDING G (JOURNALISM BUILDING) AND SECTIONS 0102 AND 0201 MEET IN BUILDING GG (COLE STUDENT ACTIVITIES BLDG). BUILDING CODES ARE LISTED WITH THE MAP AT THE BACK OF THIS CATALOG.

- DANC 100 Modern Dance I for Non-Majors** 2 credits; grading method: Reg/P-F/Aud
 0102-12 Jun-24 Jun

0101	MTuWThF9:30	Bldg. W, Rm. 2102	Rosen, M
0102	MTuWThF11	Bldg. EE, Rm. 1115	Owens, G

Basic principles of modern dance, emphasizing fundamentals of movement.

IN THIS EXAMPLE, SECTION 0101 MEETS FOR THE ENTIRE SUMMER SESSION I FIVE DAYS PER WEEK AT THE TIME INDICATED. SECTION 0102 BEGINS JUN 12 AND ENDS JUN 24 – THIS IS A NON-STANDARD DATE COURSE FOR SUMMER SESSION I.

- MUSC 448B Special Topics in Music Vocal Production and Repertoire** 3 credits; grading method: Reg/Aud
 0201 – 11 Jul – 28 Jul

0201	MTuWThF9-12	Bldg. NN, Rm. 2123	Fleming, L
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IN THIS EXAMPLE, THIS COURSE IS A NON-STANDARD DATE COURSE WHICH IS OFFERED BETWEEN JULY 11 AND JULY 28. THIS IS A SUMMER SESSION II COURSE AND THE SESSION II REGISTRATION FORM MUST BE USED.

Any course that has the note "BY PERMISSION ONLY" requires a Department Stamp next to your course listing(s) on the Schedule Request Form. This stamp must be obtained from the Department offering the course prior to registration for the course.

NON-DEGREE APPLICATION FOR GRADUATE ADMISSION

A non-refundable fee of U.S. \$25.00 must accompany the application.
 Incomplete application will be returned.



The Graduate School
 University of Maryland/UMCP
 College Park, Maryland 20742

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? yes no Year _____

Do you qualify for the Golden I.D. fee waiver? yes no

SOCIAL SECURITY NUMBER

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G	R	A	D
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SUMMER TERM 1990

Name: Last Name _____ First _____ Middle _____ Other _____

Present Address: Street _____ City _____ State or Country _____ Zip Code _____ MD County _____ Phone Numbers
 Home: _____
 Work: _____

Please check one criterion

_____ Visiting Graduate Institute

_____ Advanced Special Student (check one criterion)

_____ a. Bachelor Degree with 3.0 gpa

_____ b. Masters or Doctoral Degree

_____ c. Bachelor Degree (4 yrs out)

_____ d. Test Scores

Citizenship _____ U.S. _____ 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 _____ (mmddyy) Race: _____ American Indian/Native Indian _____ Hispanic

Sex: Male _____
 Female _____

_____ 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. Attach official transcript if required for admission as an Advanced Special Student. Visiting graduate students must submit a letter of permission from the applicant's Dean indicating that the applicant is in good standing.

INSCODE	Name of Inst.	Location	From	To	Major	Degree	Date Awarded/Expected	Overall Average

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 _____

DEC DECDATE TERMDATE PROV1 ORIG1 CODER KEY _____

List any work and military experiences (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 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? 1989? YES NO 1990? 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.

- 4. Are you or your spouse a full-time member 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?
If no, type of visa _____ Alien Registration Number _____
Date visa issued _____ Expiration date of visa _____
- 9. Are you registered to vote?
a. If yes, in what state/country? _____ b. Date of registration _____
- 10. Do you possess a valid driver's license?
a. If yes, in what state was it issued? _____ b. Date of issue _____
- 11. Do you own a motor vehicle(s)?
a. If yes, registered in what state _____ b. Date of registration _____
- 12. Do you have the use of a motor vehicle registered 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 state 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 income tax forms?
- 17. Do you receive any type of financial aid (loans, scholarships, grants) from a state other than Maryland?
YES NO If yes, from which state _____

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 _____

University of Maryland at College Park

Undergraduate Application for Summer Only

Do not use this application to apply for reinstatement or to apply as a degree seeking student.

Please confine name and address to the spaces provided, abbreviate where necessary and leave a space between name and initial (if used). DO NOT WRITE IN SHADED SPACES.

1.

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U.S. Social Security Number

2.

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Last Name First Name Middle Name

3.

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Number & Street of Present Mailing Address City State Zip Code

4.

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County Country Area Code & Telephone Number

5. Male Female

6. Length of time you've occupied the above address _____
M / D / Y M / D / Y Former Name

7.

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M D Y Birthdate

8. Please check the appropriate box below:

<input type="checkbox"/> White, not of Hispanic Origin	<input type="checkbox"/> Asian or Pacific Islander	<input type="checkbox"/> American Indian or Alaskan Native
<input type="checkbox"/> Black, not of Hispanic Origin	<input type="checkbox"/> Hispanic	

9. Are you a United States citizen? Yes No If no, please complete the following:

Country of birth _____ Country of citizenship _____ Type of visa _____

Alien registration number _____ Date issued _____ Date of expiration _____

10. Please read instructions on page 8 and check one admission status:

a. high school graduate,
 b. visitor from another college/university,
 c. college/university graduate,
 d. former UMCP student who was in good standing or on academic probation at the conclusion of your last semester.

11. Have you previously applied for admission to the University of Maryland? Yes No
 If yes, which campus? UMAB UMBC UMCP UMES UMUC

Type of program: _____ Term/Year Applied For: _____ Dates of Attendance: _____

Undergraduate _____
 Graduate _____

3	
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UG TYPE ENSTAT

12. List the high school from which you graduated or expect to graduate. Also list all colleges and universities previously attended, including University of Maryland. Failure to list all institutions previously attended may result in cancellation of admission and any registration.

Name of Institution	Location City, State	Attendance Dates Month and Year		Grad Date	Degree Obtained
		From	Through		
Secondary School or GED					
College/University					
College/University					

High School

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College Board Code

Previous Institution Code

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13. Are you currently attending the last institution mentioned? Yes No

14. Are you in good academic standing at all previous institutions? Yes No If no, please explain _____

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

- 15. For the most recent 12 months has another person(s) provided half or more than half your support?
- 16. 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? 1988? YES NO 1989? YES NO
- 17. If the answer to 15 and/or 16 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 15 and 16, please complete the following.

******IN ALL OTHER CASES******

The person listed in question 17 should complete the following.

- 18. Are you or your spouse a full-time employee of the University?
If yes, you may omit questions 19-32. Please attach a letter from your personnel office confirming full-time employment.
(Dates Occupied)
- 19. Current Residence _____
Street Address Apt. # City County State Zip M / D / Y M / D / Y
(Dates Occupied)
- 20. Previous Residence _____
Street Address Apt. # City County State Zip M / D / Y M / D / Y
- 21. Do you own any property outside of Maryland? Date of acquisition _____
If yes, for what purpose do you hold such property? _____
- 22. Are you a citizen of the United States?
If no, type of visa _____ Alien Registration Number _____
Date visa issued _____ Expiration date of visa _____
- 23. Are you registered to vote?
a. If yes, in what state/country? _____ b. Date of registration _____
- 24. Do you possess a valid driver's license?
a. If yes, in what state was it issued? _____ b. Date of issue _____
- 25. Do you own a motor vehicle(s)?
a. If yes, registered in what state _____ b. Date(s) of registration _____
- 26. Do you have the use of a motor vehicle registered in another person's name?
If yes, indicate name and relationship of person _____
- 27. 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 _____
- 28. List actual years and state 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)
- 29. If employed, is Maryland income tax being withheld?
- 30. Did you give a Maryland home address on most recent federal and state income tax forms?
- 31. Do you receive any type of financial aid (loans, scholarships, grants) from a state other than Maryland?
If yes, from which state _____
- 32. Are you or your spouse a full-time member of the U.S. Armed Forces?

YES NO

Sign

Sign

Sign

By signing below, high school graduates and students currently enrolled in colleges other than the University of Maryland at College Park Campus certify that they meet requirements for admission for the summer session(s). To be eligible for admission for the summer session(s), a high school graduate must have graduated with an overall "C" average in academic subjects. Applicants currently attending (or attended in the past) another college or university must be in good standing at that institution and have the permission of the parent institution to enroll for the summer session.

I certify that I meet the requirements as listed above and that the information recorded on this form is correct. I understand that inaccurate or false information will result in my dismissal from the university. I also understand that this form does not place me into consideration for admission to the College Park campus for the fall or spring terms.

Sign

Signature of Applicant _____ Date _____

RES. DEC. CODE DATE EVAL. DATE LT SENT

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Schedule Request Form

Summer Session I — Only — 1990

This form should be used for the *First* Summer Session only.

Mail-in registration requests must be postmarked by **May 21, 1990**. COMPLETE THE ENTIRE FORM. The top part of this form is a course request only.

STUDENT NAME (Print Last Name First)

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SOCIAL SECURITY NO.

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Were you registered at the University of Maryland College Park day campus, SPRING 1990? YES NO
IF NO: Please read Admission Information in this catalog

ADVISOR'S STAMP AND SIGNATURE

DAY PHONE NO. TODAY'S DATE

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STUDENT'S SIGNATURE

MANDATORY FOR STUDENTS ON ACADEMIC WARNING OR DISMISSAL

COURSE REQUEST: Complete this part with information found in the Schedule of Classes Section of this catalog. See page 1 of this booklet for information on determining the session of a course. IF MAILING REQUEST, please provide alternate sections.

COURSE INFORMATION	EXAMPLE	ALTERNATE SECTION	Grading Method	GRADING METHODS ARE														
<table border="1" style="width: 100%;"> <tr> <td style="width: 20%;">MATH</td> <td style="width: 20%;">110</td> <td style="width: 10%;">[]</td> <td style="width: 20%;">0101</td> <td style="width: 10%;">03</td> <td style="width: 10%;">0102</td> <td style="width: 5%;">R</td> </tr> <tr> <td style="font-size: 8px;">COURSE PREFIX</td> <td style="font-size: 8px;">COURSE NO</td> <td style="font-size: 8px;">SUFFIX</td> <td style="font-size: 8px;">SECTION NO</td> <td style="font-size: 8px;">CREDIT</td> <td style="font-size: 8px;">ALTERNATE SECTION</td> <td style="font-size: 8px;">Grading Method</td> </tr> </table>	MATH	110	[]	0101	03	0102	R	COURSE PREFIX	COURSE NO	SUFFIX	SECTION NO	CREDIT	ALTERNATE SECTION	Grading Method				R — Regular P — Pass/Fail A — Audit S — Satisfactory Fail
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COURSE PREFIX	COURSE NO	SUFFIX	SECTION NO	CREDIT	ALTERNATE SECTION	Grading Method												

COURSE INFORMATION	COURSE 1	ALTERNATE SECTION	Grading Method	DEPARTMENT STAMP MANDATORY FOR COURSES NOTED BY PERMISSION ONLY														
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COURSE INFORMATION	COURSE 2	ALTERNATE SECTION	Grading Method	DEPARTMENT STAMP MANDATORY FOR COURSES NOTED BY PERMISSION ONLY														
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COURSE PREFIX	COURSE NO	SUFFIX	SECTION NO	CREDIT	ALTERNATE SECTION	Grading Method												

COURSE INFORMATION	COURSE 3	ALTERNATE SECTION	Grading Method	DEPARTMENT STAMP MANDATORY FOR COURSES NOTED BY PERMISSION ONLY														
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[]	[]	[]	01	[]	01	[]												
COURSE PREFIX	COURSE NO	SUFFIX	SECTION NO	CREDIT	ALTERNATE SECTION	Grading Method												

ALL STUDENTS COMPLETE THIS SECTION: In the space below list the course(s) you have requested. The Registrations Office will record the action taken for each course in the space on the right marked "For Office Use Only," and will return this part of the form to you. Any course without a Registration Stamp was not received for the reason indicated to the right of the course. The lower part of this form must be validated by the Registrations Office after payment is made. It is your proof of registration.

SOCIAL SECURITY NO. [] [] [] [] [] [] [] [] [] []	FOR OFFICE USE ONLY														
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COURSE PREFIX	COURSE NO	SUFFIX	SECTION NO	CREDIT	ALTERNATE SECTION	ALTERNATE SECTION									

THIS MUST BE COMPLETED BY ALL STUDENTS.

CHECK IF THIS IS A NEW ADDRESS

NAME
ADDRESS
CITY - STATE - ZIP

SOCIAL SECURITY NUMBER

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Students who register and later decide not to attend Summer School at the University must cancel their registration prior to the first day of class. Failure to cancel a registration will result in financial obligation even though the student does not attend class.

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Estimated Billing Form

1990
SUMMER SESSION I ONLY

ESTIMATED BILLING FORM INSTRUCTIONS:

- Add the number of credit hours on the Schedule Request Form. Only courses listed on that page should be included in this total.
- Locate your status (undergraduate, graduate resident, graduate non-resident) on lines 1–4 above. (Please 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. Any student not admitted to the Graduate School is classified as an Undergraduate. If you have any questions on this or your residence status, please call the Undergraduate Admissions Office, 454-4137 or the Graduate Records Office, 454-5428. The University reserves the right to make the final and official determination of the student's residence status.)
- On the line next to your status circle the number of credit hours you have requested above. The number below the hours circled is your cost of tuition.
- Enter the cost in the amount column on the right. If you are an Undergraduate Non-Resident, enter the \$20.00 Non-resident Fee (line 2) in the amount column.
- Line 5 lists mandatory fees charged to every student each summer session. The fees are therefore entered in the amount column for you.
- If you are requesting On-Campus Housing, enter the appropriate amount for 6 weeks on line 6 in the amount column. If your course schedule requires other than 6 or 8 weeks residence, contact the Resident Life Assignments Office at (301) 454-2711. Attach the Residence Halls Agreement tear-off portion to the Schedule Request and Estimated Bill Form.
- If you wish to register a car for the summer, refer to line 8. Parking stickers must be picked up at the Motor Vehicle Administration Office on the campus. Note: UM students' stickers assigned the previous Fall semester are valid through August.
- If this form is accompanied by an Application, you must also pay an Application Fee. If this pertains to you, enter the appropriate amount on line 9. Note: only one Application for Admission and one Application Fee is required for both summer sessions.
- 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 Social Security Number on face of check. You will be notified of any bill adjustments that are necessary. Payment must accompany the Estimated Bill Form.
- 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.
- 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.
- Enclose the Schedule Request and Estimated Bill Form (and if applicable: application and housing request) along with your check in the return envelope provided herein, or use the following address:

Office of the Bursar
Summer Mail-In Registration
Room 1108 Lee Building
University of Maryland
College Park, Maryland 20742

		ESTIMATED BILL FORM										AMOUNT	
Undergraduate Students		CREDIT HOURS											
1.	Tuition	1	2	3	4	5	6	7	8	9	10	\$	
2.	Non-Resident Undergraduate Fee (flat fee, not per cr. hr.)	106	212	318	424	530	636	742	848	954	1060	\$	\$20.00
Graduate Students		CREDIT HOURS											
3.	Resident Tuition	1	2	3	4	5	6	7	8			\$	
4.	Non-Resident Tuition	125	250	375	500	625	750	875	1000			\$	
5.	Mandatory Fees For All Students	Registration Fee										\$ 5	\$ 5.00
		Recreation Fee										\$ 8	\$ 8.00
		Health Fee										\$ 8	\$ 8.00
		Auxiliary Facilities Fee										\$ 8	\$ 8.00
6.	On-Campus Housing (attach Residence Halls Agreement Form)	Six Weeks										\$448.14	\$
7.		Eight Weeks (must be at least 6 wk period)										\$597.52	\$
8.	Vehicle Registration Fee: Campus Resident \$18; Commuter \$10 (choose one)											\$	
9.	Application Fee for New Students (non-refundable)											\$26	\$
10.	Special Fees (consult course listings)											\$	
11.	TOTAL BILL											\$	



MAKE CHECKS PAYABLE TO UNIVERSITY OF MARYLAND. INCLUDE THE STUDENT SOCIAL SECURITY NUMBER ON CHECK.

One check may be used to pay for both summer sessions. Add the 'Total Bill' from both estimated bill forms to determine the total amount of your check.

NOTE: Fees listed are subject to change at any time without advance notice.

All tuition and fees subject to adjustment

If you wish to use your credit card, check one and fill in:

 MasterCard
 VISA

Customer Account Number _____

Effective Date _____ Expiration Date _____

Your Signature _____

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 1-4 above. (Please 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. Any student not admitted to the Graduate School is classified as an Undergraduate. If you have any questions on this or your residence status, please call the Undergraduate Admissions Office, 454-4137 or the Graduate Records Office, 454-5428. 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 number of credit hours you have requested above. The number below the hours circled is your cost of tuition.
4. Enter the cost in the amount column on the right. If you are an Undergraduate Non-resident, enter the \$20.00 Non-resident Fee (line 2) in the amount column.
5. Line 5 lists mandatory fees charged to every student each summer session. The fees are therefore entered in the amount column for you.
6. If you are requesting On-Campus Housing, enter the appropriate amount for 6 weeks on line 6 in the amount column. If your course schedule requires other than 6 weeks residence, enter the number of weeks, calculate the amount and enter it in the amount column of line 7. Attach the Residence Halls Agreement tear-off portion to the Schedule Request and Estimated Bill Form.
7. If you wish to register a car for the summer, refer to line 8. Parking stickers must be picked up at the Motor Vehicle Administration Office on the campus.
8. If this form is accompanied by an Application, you must also pay an Application Fee. If this pertains to you, enter the appropriate amount on line 9. Note: only one Application for Admission and one Application Fee is required for both summer sessions.
9. 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 Social Security Number on face of check. You will be notified of any bill adjustments that are necessary. Payment must accompany the Estimated Bill Form.
10. 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.
11. 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.
12. Enclose the Schedule Request and Estimated Bill Form (and if applicable: application and housing request) along with your check in the return envelope provided herein, or use the following address:

Office of the Bursar
Summer Mail-In Registration
Room 1108 Lee Building
University of Maryland
College Park, Maryland 20742



ESTIMATED BILL FORM											AMOUNT		
1.	Undergraduate Students	CREDIT HOURS											
		1	2	3	4	5	6	7	8	9	10		
	Tuition	106	212	318	424	530	636	742	848	954	1060	\$	
2.	Non-Resident Undergraduate Fee (flat fee, not per cr. hr.)											\$20.00	\$
3.	Graduate Students	CREDIT HOURS											
		1	2	3	4	5	6	7	8				
	Resident Tuition	125	250	375	500	625	750	875	1000			\$	
4.	Non-Resident Tuition	226	452	678	904	1130	1356	1582	1808			\$	
5.	Mandatory Fees For All Students		Registration Fee								\$ 5	\$	5.00
			Recreation Fee								\$ 8	\$	8.00
			Health Fee								\$ 8	\$	8.00
			Auxiliary Facilities Fee								\$ 8	\$	8.00
6.	On-Campus Housing (attach Residence Halls Agreement Form)				Six Weeks				\$448.14	\$			
7.					_____ Wks @ \$68.56 wk (must be at least 6 wk period)				\$				
8.	Vehicle Registration Fee: Campus Resident \$18; Commuter \$10 (choose one)											\$	
9.	Application Fee for New Students (non-refundable)											\$26	\$
10.	Special Fees (consult course listings)											\$	
11.	TOTAL BILL											\$	

MAKE CHECKS PAYABLE TO UNIVERSITY OF MARYLAND INCLUDE THE STUDENT SOCIAL SECURITY NUMBER ON CHECK.

One check may be used to pay for both summer sessions. Add the "Total Bill" from both estimated bill forms to determine the total amount of your check.

NOTE: Fees listed are subject to change at any time without advance notice.

If you wish to use your credit card, check one and fill in:

 MasterCard
 VISA

Customer Account Number _____

Effective Date _____ Expiration Date _____

All tuition and fees subject to adjustment

Your Signature _____

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.

Do not complete the Agreement form if you will be working this summer for Resident Life or Residential Facilities departments. Separate procedures apply.

DETACH the Agreement form at the dotted line and submit it with the appropriate housing payment to the Office of the Bursar. Payment must be included. The Agreement may be submitted along with the Schedule Request and Estimated Bill Form.

SUBMIT the Agreement Form by April 27 in order to receive priority considerations for Agreement preferences, including single rooms.

KEEP the Agreement below for your records and information. Notice of your actual assignment will be mailed to your local address by Resident Life 7-10 days before the start of classes.

SUMMER RESIDENCE HALLS AGREEMENT

When the Agreement form within this booklet is signed by the resident and confirmed by the University, this Agreement provides the resident with the opportunity to live in a University summer residence hall, subject to all terms stated below. The resident is also subject to responsibilities and processes set forth in the *Code of Student Conduct*, *Undergraduate Graduate Catalog*, *Summer Session Catalog*, and other relevant University documents. The residence hall facilities are provided as a service and are unique to the University environment. Therefore, the relationship between the University and the resident, as described within this document, should not be construed to constitute a landlord/tenant relationship.

I. PARAMETERS OF THE AGREEMENT

ELIGIBILITY. Individuals must be single students at the College Park Campus in order to be assigned and be eligible for the Summer Session housing. No provisions are made for spouses or family members. At Resident Life's discretion, other individuals may occupy a summer residence hall subject to a separate fee structure published annually by Resident Life.

OCCUPANCY PERIODS. Housing may be requested for Session Only, Session II only, or for both Sessions I and II. In general, summer occupancy is available from June 3, 1990 to 7pm August 24, 1990 for Session I and II registrants; from June 3, 1990 to 7pm July 13, 1990 for Session Only registrants; from July 15, 1990 to 7pm August 24, 1990 for Session II only registrants; and from June 3, 1990 to 7pm July 27, 1990 for eight-week 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 resident 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 an insurance carrier of the individual's choice to assure protection against such harm or loss.

II. UNIVERSITY SERVICES

This Agreement, when confirmed by the University, permits the individual to use residence hall facilities and receive services. Although the University will endeavor to provide the following services on a continual basis, interruptions may be necessitated by an act of God, an order of a University civil authority, a limited or restricted control or availability of resources as determined by the University, maintenance activities, or any condition other than these that is reasonably beyond administrative control. Services are provided in accordance with standards and levels of service determined by the University. It is an 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 time.

ASSIGNMENT OF BUILDING AND ROOM. Summer accommodations are coeducational. Men and women are housed on separate floors or wings of a building or in separate apartment suite units. Resident Life does not discriminate in assignment on the basis of race, color, religion, or national origin. Summer housing does not affect an individual's request for housing in any subsequent academic term. An individual who has this Agreement confirmed by Resident Life will be assigned to and is obligated to accept a building and room designated by Resident Life. Available accommodations normally are in apartments include kitchen and dining area and suites (no kitchens, no cooking permitted). Both apartments and suites are fully furnished and have carpeting, shared living room area, 1-2 baths, and single and/or double bedrooms. 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 single, in each building type are limited. To assure that these spaces are assigned as equitably as possible, all signed and completed Agreements completed and received with payment in full to the Office of the Bursar by the published

"priority" deadline will be submitted to a lottery drawing. The lottery will determine priority for building and room types. Agreements received after the "priority" deadline will be considered on a first-come, first-served basis for filling vacancies.

Building assignments normally are confirmed in advance of the first occupancy date. This confirmation is mailed to the applicant's local address not sooner than about three weeks before the first occupancy date or within 10 days when the Agreement has been submitted less than three weeks before the first occupancy date.

UTILITIES AND HOUSEKEEPING. The University will provide heat, water, and electricity. The University is responsible for cleaning only the designated common areas on a scheduled basis.

FURNISHINGS. The University will provide to each resident: one bed, one mattress, one dresser, and one desk and chair set. The University will provide each room with a mirror, window shade, window screen, and smoke detector.

REPAIRS. The University will make all repairs and perform maintenance in the residence hall and the resident's room through 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.

III. RESPONSIBILITIES OF RESIDENTS

CARE OF FACILITIES. (1) The resident accepts responsibility for and agrees to be held accountable for the actions of him/herself and those of his/her guests; for proper use and/or care of the residence hall facility, assigned space, common areas, and University property, and for promptly reporting any interruptions of service or needed repair. (2) The resident will take reasonable action to protect and prevent the residence halls facility and property from wanton, reckless or negligent damage; will refrain from encouraging or participating in activities which cause damage to occur; will report damages; and will assist the University in identifying individual responsible for damage. (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, as determined by Resident Life. (4) The resident assumes responsibility for the appropriate use of safety and security hardware within the assigned space and building and will immediately report loss of assigned keys or malfunctioning hardware.

CONDUCT. (1) The resident shall conduct him/herself in a manner which promotes courteous, safe, and secure residence hall and dining hall environment. The resident understands that his/her behavior should be conducive to the pursuit of academic goals and individual and community development and welfare. (2) The resident shall insure that his/her roommate 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: (a) flammable materials; (b) weapons and firecrackers; (c) unauthorized modification of assigned space; (d) pets; (e) duplication and transfer of University keys; (f) disruptive/destructive behavior; (g) behavior such as intimidation or harassment which threatens the property, safety, security, health, and well-being of others; (h) improper use of fire safety and building security equipment; and (i) threats to and/or interference with University staff in the performance of their duties. (4) Violation of rules and regulations can constitute grounds for termination of the Agreement. When determined by Resident Life that an individual has violated state or federal laws and/or University rules and regulations, and when such conduct indicates that an individual's residence in University residence halls constitutes a threat to the safety, health, or well-being of community members, disciplinary and/or administrative action, including the termination of this Agreement, may be pursued. (5) To meet its responsibilities to health, safety, and well-being and maintenance of property and facilities, Resident Life reserves the right to move a resident from one space to another, or, at Resident Life's discretion, to another occupied hall for which the individual is eligible.

USE OF CHANGE OF ASSIGNED SPACE. (1) The resident agrees that a change of assignment may be made only with the approval of Resident Life. No request which is based upon considerations of race, religion, or national origin can be honored. (2) The resident agrees: (a) to live only in the space officially assigned; (b) not to sublet or otherwise use or

SUMMER 1990 RESIDENCE HALLS AGREEMENT

 Male

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 Female

Social Security No. Requested

LAST NAME, FIRST, MI _____

HOME STREET, NUMBER _____

CITY _____

STATE _____

ZIP _____

HOME PHONE _____

ASSIGNMENT PREFERENCES—must be ranked 1, 2, 3
 South Hill suite: no kitchen, no cooking; must purchase meal program (proof of D.S. Cash minimum of \$30.00 per 6-week session required before check-in)

 Apartment with kitchen

Do you wish to be considered for a single room?

 Yes No
Will you be registered for classes? Yes No

 DO YOU yes DO YOU OBJECT TO A yes
 SMOKE? no ROOMMATE WHO SMOKES? no

DO YOU LIVE IN UMCP CAMPUS HOUSING NOW?
 no

 yes

building and room # _____

 Additional \$74.69 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 housing" procedure.

DATES OF OCCUPANCY/PAYMENT
 Session I only, June 3–July 13

\$448.14 housing fee enclosed

 Session II only, July 15–Aug. 24

\$448.14 housing fee enclosed

 Sessions I and II

\$896.28 housing fee enclosed

 Eight-week course: June 3–July 27

\$597.52 housing fee enclosed

NOTE: If course lasts fewer than 6 weeks, contact Assignments Office at 301-454-2711 or Room 2100 Annapolis Hall to make special housing arrangements.

I understand that I am obligated to accept co-educational summer housing upon Resident Life's receipt of this Agreement form. I have read, understand, and agree to abide by all terms and conditions of residence halls occupancy stated in the Residence Halls Agreement published in the Summer Sessions Catalog.

STUDENT SIGNATURE _____

AGE _____

DATE _____

PARENT SIGNATURE (if student under 18 yrs) _____

FOR OFFICE USE

DATE REC'D: _____
ASSIGN BY TO: _____

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 the Department of Resident Life. (3) If a vacancy occurs in the assigned room, the remaining resident(s) agrees to follow established procedures for the reassignment of another resident to that space. (4) When vacating an assigned space, regardless of reason, the resident agrees to complete established check-out procedures.

GUESTS. A guest may stay in the assigned space only with the concurrence of the roommate(s) and for no more than two 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 their own safety and security and for the safety and security of their residence hall communities. The University and Resident Life will work cooperatively with residents to maintain a safe and secure environment. The resident agrees to read and abide by security policies and precautions stated in University publications.

IV. ADMINISTRATIVE PROCEDURES

ROOMENTRY, INSPECTION, AND PROPERTY REMOVAL. (1) The University reserves the right to enter rooms for purposes of (a) improvements, (b) 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 resident property. (2) A resident's request for maintenance and repair constitutes his/her consent for room entry. Attempts will be made to provide prior notification whenever feasible. (3) The University reserves the right to remove and dispose of any personal property remaining in a room more than 24 hours following termination of the Agreement, the resident's separation by/from the University, and/or the date the resident officially checks out of the room. A charge for costs incurred for such removal may be assessed to the resident. (4) The University respects the resident's right to privacy within the assigned space and will give reasonable consideration to privacy when entry is required.

LIABILITY FOR DAMAGES. (1) The resident will be assessed charges for damage, loss, or special service due to misuse or abuse of his/her assigned space and the State property contained therein. When the assigned space is shared, and where the responsible resident(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 accidental) in common areas of the residential facilities will be assessed the cost of the 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, special service within/for the common areas or to the University property within the residential facility. Residents will be notified in advance of the initiation of a collective billing process and of the common areas for which they share responsibility.

RELEASE FROM AGREEMENT PRIOR TO OCCUPANCY DATE. 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 on or before May 14, 1990 for Session I or June 25, 1990 for Session II. If notice is received after these dates, but before the first day of classes of the term in question, the individual, regardless of University status at the date of release from the Agreement, will be charged as follows:

Notice for Session I by	Amount	Notice for Session II by	Amount
May 14	\$0.00	June 25	\$0.00
May 15–21	\$74.69	June 26–July 2	\$74.69
May 22–28	\$149.38	July 3–9	\$149.38
May 29–June 4	\$224.07	July 10–16	\$224.07
No-show/No notice to Resident Life	\$224.07	No-show/No notice to Resident Life	\$224.07

DURING OCCUPANCY PERIOD. 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 to date, when Resident Life has received proof from the student of withdrawal from all Summer Session coursework. If proof of withdrawal is not received, or if notice that the resident will checkout is received less than three weeks before the actual departure, the following release charges will be incurred:

CANCELLATION NOTICE RECEIVED BY RESIDENT LIFE

More than 3 weeks before departure
2–3 weeks before departure
1–2 weeks before departure
Less than 1 week before departure

AMOUNT OF RELEASE CHARGE

\$0.00
\$74.69
\$149.38
\$224.07

CANCELLATION PROCEDURE. 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 INSURE RELEASE.**

FAILURE TO CLAIM SERVICE. 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 three weeks' housing fees.

TERMINATION OF AGREEMENT. Resident Life may automatically terminate this Agreement at any time and require the individual to forfeit the assigned space: (1) When determined that information furnished by the individual or other person for the purpose of obtaining residence hall services is substantially incomplete, misleading, or false in whole or in part. (2) When an individual, for whatever reason, is not eligible, or has lost eligibility, to reside in the building. In such cases, the individual may be required to check-out of the residence hall on the date of notification. (3) When a "Review of Housing Status" determines that the individual has committed a breach of residence hall rules and regulations. In such cases, continued access to any University residence hall may be denied. (4) When facilities are found to be inadequate in number or physical condition. (5) When an individual has failed to properly execute or complete all terms and conditions of a Residence Halls Agreement or had such Agreement terminated for disciplinary/behavioral reasons. (6) When an individual (a) fails to properly check-in the assigned space (i.e., no-show) or (b) fails to notify Resident Life of delayed arrival by 12 noon of the first class day, or within 72 hours after receipt of the assignment if the assignment is made after classes begin.

REFUNDS AND CREDITS. Refunds and credits for housing fees will not be approved until release from this Agreement has been secured and check-out has been completed. Charges and credits are based upon the weekly cost of housing services. Appropriate release charges are assessed in addition to charges for housing 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 date specified by the resident when requesting release from this Agreement will decrease the amount of credit. No credit 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 bursar.

ARTH continued

ARTH 386	Field Work 1-3 credits, Grading Method REG P-F AUD Permission of department required			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
ARTH 387	Field Work Analysis 1-3 credits, Grading Method REG P-F AUD Permission of department required			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
ARTH 455	Twentieth-Century Art to 1945 3 credits, Grading Method REG P-F AUD Formerly ARTH 450			
0101	MTuWThF 9:30am-10:50am	Bldg ASY, Room 3215	Denny, D	
	Painting, sculpture and architecture in Europe and America from the late nineteenth century to the end of World War II			
ARTH 498	Directed Studies in Art History I 2-3 credits, Grading Method REG P-F AUD			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
ARTH 499	Directed Studies in Art History II 2-3 credits, Grading Method REG P-F AUD			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
ARTH 698	Museum Studies: Directed Graduate Studies in Art History 3 credits, Grading Method REG AUD			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
ARTH 798	Directed Graduate Studies in Art History 3 credits, Grading Method REG AUD			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
ARTH 799	Master's Thesis Research 1-6 credits, Grading Method REG			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
ARTH 899	Doctoral Dissertation Research 1-8 credits, Grading Method REG			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	

ARTT

**ART STUDIO
(ARTS AND HUMANITIES)**

ARTT 100	Elements of Design 3 credits, Grading Method REG P-F AUD Formerly ARTS 100			
0101	MTuWThF 3:00pm-5:00pm	Bldg ASY, Room 2314 (LAB)	Klank, R	
0201	MTuWThF 9:30am-11:30am	Bldg ASY, Room 2314 (LAB)	Pogue, S	
	Principles and elements of design through manipulation and organization of materials in two and three dimensions			
ARTT 110	Elements of Drawing 3 credits, Grading Method REG P-F AUD Formerly ARTS 110			
0101	MTuWThF 9:00am-11:30am	Bldg ASY, Room 2317 (LAB)	Niese, H	
		Bldg ASY, Room 2317 (LAB)	Pogue, S	

ASTR

**ASTRONOMY
(COMPUTER, MATHEMATICAL AND PHYSICAL SCIENCES)**

ASTR 100	Introduction to Astronomy 3 credits, Grading Method REG P-F AUD Credit for ASTR 100 cannot be obtained after or simultaneously with, receiving credit for any astronomy course numbered 150 or higher. Course meets University Studies Program Distributive Studies non-lab science and mathematics requirement. If ASTR 110 or 111 are taken at the same or at a later time, the combination may be counted as lab science requirement.			
0101	MTuWThF 9:30am-10:50am	Bldg CSS, Room 2330	Harrington, J	
0201	MTuWThF 9:30am-10:50am	Bldg CSS, Room 0201	Rose, W	
	An elementary course in descriptive astronomy, especially appropriate for non-science students. Sun, moon, planets, stars, and include: galaxies, constellations.			
ASTR 110	Astronomy Laboratory 1 credit, Grading Method REG P-F AUD Pre- or corequisite: ASTR 100			
0101	TuTh 10:00pm-3:00pm	Bldg CSS, Room 1109 (LAB)	Wentzel, D	
0201	TuTh 10:00pm-3:00pm	Bldg CSS, Room 1109 (LAB)	Wentzel, D	
	Exercises include use of photographic and color plates and spectra; experiments demonstrating scientific concepts used in astronomy. Daytime and nighttime observations if weather permits. Appropriate for non-science majors.			
ASTR 288	Special Projects in Astronomy 1-3 credits, Grading Method REG P-F AUD Permission of department required			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
ASTR 330	Solar-System Astronomy 3 credits, Grading Method REG P-F AUD Meets USP Advanced Studies Development of Knowledge requirement. Prerequisite: ASTR 100 and completion of University Studies requirement in the natural science or permission of department.			
0201	MTuWThF 12:30pm-1:50pm	Bldg CSS, Room 2324	Wentzel, D	
	Designed primarily for non-physical-science majors. The structure of planets and of their atmospheres, the nature of comets, asteroids, and satellites. Comparison of various theories for the origin of the solar system. Emphasis on a description of recent data and information.			
ASTR 380	Life in the Universe 3 credits, Grading Method REG P-F AUD Meets USP Advanced Studies Development of Knowledge requirement. Prerequisite: ASTR 100 and completion of University Studies requirement in the natural science or permission of department.			
0101	MTuWThF 12:30pm-1:50pm	Bldg CSS, Room 2330	Harrington, J	
	Designed primarily for non-physical-science majors. Study of the astronomical perspective on the conditions for the origin and existence of life. Communication with extraterrestrial life.			
ASTR 498	Special Problems in Astronomy 1-6 credits, Grading Method REG P-F AUD Permission of department required			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
ASTR 699	Special Problems in Advanced Astronomy 1-6 credits, Grading Method REG AUD			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
ASTR 799	Master's Thesis Research 1-6 credits, Grading Method REG			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
ASTR 899	Doctoral Dissertation Research 1-8 credits, Grading Method REG			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	

BCHM

**BIOCHEMISTRY
(LIFE SCIENCES)**

BCHM 261	Elements of Biochemistry 3 credits, Grading Method REG P-F AUD Prerequisite: CHEM 104 or CHEM 233 or CHEM 235. Not open to students who have completed BCHM 461.			
0101	MTuWThF 8:00am-9:20am	Bldg CHM, Room 1402	Staff	
	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.			
BCHM 461	Biochemistry I 3 credits, Grading Method REG P-F AUD Prerequisite: CHEM 243 or CHEM 245			
0101	MTuWThF 9:30am-10:50am	Bldg CHM, Room 1407	Staff	
	A comprehensive introduction to general biochemistry. The chemistry and metabolism of carbohydrates, lipids, nucleic acids, and proteins.			
BCHM 462	Biochemistry II 3 credits, Grading Method REG P-F AUD Prerequisite: BCHM 461			
0201	MTuWThF 9:30am-10:50am	Bldg CHM, Room 1407	Staff	
	A continuation of BCHM 461.			
BCHM 699	Special Problems in Biochemistry 1-6 credits, Grading Method REG AUD			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
BCHM 799	Master's Thesis Research 1-6 credits, Grading Method REG			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
BCHM 899	Doctoral Dissertation Research 1-8 credits, Grading Method REG			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	

BIOL

**BIOLOGY
(LIFE SCIENCES)**

BIOL 105	Principles of Biology I 4 credits, Grading Method REG P-F AUD Meets USP Distributive Studies (B) Natural Sciences and Mathematics requirement. For science majors. Credit will be granted for only one of the following: BIOL 101, BOTN 100, ZOO 101, BIOL 105.			
0101	MTuWThF 8:00am-9:15am	Bldg HJP, Room 1229	Mayer, R	
	TuWTh 9:30am-12:30pm	Bldg HJP, Room 1213 (LAB)	Mayer, R	
0102	MTuWThF 8:00am-9:15am	Bldg HJP, Room 1229	Mayer, R	
	TuWTh 9:30am-12:30pm	Bldg HJP, Room 2104 (LAB)		
	Basic principles of biology with special emphasis on cellular and molecular biology.			
BIOL 106	Principles of Biology II 4 credits, Grading Method REG P-F AUD Meets USP Distributive Studies (B) Natural Sciences and Mathematics requirement. Prerequisite: BIOL 105. For science majors.			
0201	MTuWThF 11:00am-11:50am	Bldg ZOP, Room 2283	Kent, B	
0202	TuWTh 8:00am-11:00am	Bldg ZOP, Room 0245 (LAB)		
	MTuWThF 11:00am-11:50am	Bldg ZOP, Room 2282		
	TuWTh 1:00pm-4:00pm	Bldg ZOP, Room 0245 (LAB)		
	Basic principles of biology with special emphasis on organismic, ecological and evolutionary biology.			

YOU FILLED OUT AND
FORM?

ARTH 798	Directed Graduate Studies in Studio Art 3 credits, Grading Method REG AUD			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
ARTH 799	Master's Thesis Research 1-6 credits, Grading Method REG S-F			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	

SUMMER 1990 RESIDENCE HALLS AGREEMENT

Male

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Female

Social Security No. Requested

LAST NAME, FIRST, MI _____

HOME STREET, NUMBER _____ CITY _____ STATE _____ ZIP _____ HOME PHONE _____

ASSIGNMENT PREFERENCES—must be ranked 1, 2, 3

South Hill suite: no kitchen, no cooking; must purchase meal program (proof of D.S. Cash minimum of \$30.00 per 6-week session required before check-in)

Apartment with kitchen

Do you wish to be considered for a single room?

Yes No

Will you be registered for classes? Yes No

DO YOU yes DO YOU OBJECT TO A yes
SMOKE? no ROOMMATE WHO SMOKES? no

DO YOU LIVE IN UMCP CAMPUS HOUSING NOW?

no
 yes _____ building and room # _____

Additional \$74.69 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 housing" procedure.

DATES OF OCCUPANCY/PAYMENT

Session I only, June 3–July 13
\$448.14 housing fee enclosed

Session II only, July 15–Aug. 24
\$448.14 housing fee enclosed

Sessions I and II
\$896.28 housing fee enclosed

Eight-week course: June 3–July 27
\$597.52 housing fee enclosed

NOTE: If course lasts fewer than 6 weeks, contact Assignments Office at 301-454-2711 or Room 2100 Annapolis Hall to make special housing arrangements.

I understand that I am obligated to accept co-educational summer housing upon Resident Life's receipt of this Agreement form. I have read, understand, and agree to abide by all terms and conditions of residence halls occupancy stated in the Residence Halls Agreement published in the Summer Sessions Catalog.

STUDENT SIGNATURE _____ AGE _____

DATE _____

PARENT SIGNATURE (if student under 18 yrs) _____

FOR OFFICE USE

DATE REC'D: _____
ASSIGN BY TO: _____

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 the Department of Resident Life. (3) If a vacancy occurs in the assigned room, the remaining resident(s) agrees to follow established procedures for the reassignment of another resident to that space. (4) When vacating an assigned space, regardless of reason, the resident agrees to complete established check-out procedures.

GUESTS. A guest may stay in the assigned space only with the concurrence of the roommate(s) and for no more than two 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 their own safety and security and for the safety and security of their residence hall communities. The University and Resident Life will work cooperatively with residents to maintain 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) 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 resident property. (2) A resident's request for maintenance and repair constitutes his/her consent for room entry. Attempts will be made to provide prior notification whenever feasible. (3) The University reserves the right to remove and dispose of any personal property remaining in a room more than 24 hours following termination of the Agreement, the resident's separation by/from the University, and/or the date the resident officially checks out of the room. A charge for costs incurred for such removal may be assessed to the resident. (4) The University respects the resident's right to privacy within the assigned space and will give reasonable consideration to privacy when entry is required.

LIABILITY FOR DAMAGES. (1) The resident will be assessed charges for damage, loss, or special service due to misuse or abuse of his/her assigned space and the State property contained therein. When the assigned space is shared, and where the responsible resident(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 accidental) in common areas of the residential facilities will be assessed the cost of the 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, special service within for the common areas or to the University property within the residential facility. Residents will be notified in advance of the initiation of a collective billing process and of the common areas for which they share responsibility.

RELEASE FROM AGREEMENT PRIOR TO OCCUPANCY DATE. 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 on or before May 14, 1990 for Session I or June 25, 1990 for Session II. If notice is received after these dates, but before the first day of classes of the term in question, the individual, regardless of University status at the date of release from the Agreement, will be charged as follows:

Notice for Session I by	Amount	Notice for Session II by	Amount
May 14	\$0.00	June 25	\$0.00
May 15–21	\$74.69	June 26–July 2	\$74.69
May 22–28	\$149.38	July 3–9	\$149.38
May 29–June 4	\$224.07	July 10–16	\$224.07
No-show/No notice to Resident Life	\$224.07	No-show/No notice to Resident Life	\$224.07

DURING OCCUPANCY PERIOD. 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 to date, when Resident Life has received proof from the student of withdrawal from all Summer Session coursework. If proof of withdrawal is not received, or if notice that the resident will checkout is received less than three weeks before the actual departure, the following release charges will be incurred:

CANCELLATION NOTICE RECEIVED BY RESIDENT LIFE	AMOUNT OF RELEASE CHARGE
More than 3 weeks before departure	\$0.00
2–3 weeks before departure	_____

Summer Sessions
University of Maryland
College Park, Maryland 20742

three weeks or less. Refund, if due, must be requested in writing from the bursar.

ARTH continued

ARTH 386	Field Work 1-3 credits, Grading Method REG P F AUD Permission of department required			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
ARTH 387	Field Work Analysis 1-3 credits, Grading Method REG P F AUD Permission of department required			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
ARTH 455	Twentieth-Century Art to 1945 3 credits, Grading Method REG P F AUD Formerly ARTH 450			
0101	MTuWThF 9 30am-10 50am	Bldg ASY Room 3215	Denny D	
Painting, sculpture and architecture in Europe and America from the late nineteenth century to the end of World War II				
ARTH 498	Directed Studies in Art History I 2-3 credits, Grading Method REG P F AUD			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
ARTH 499	Directed Studies in Art History II 2-3 credits, Grading Method REG P F AUD			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
ARTH 698	Museum Studies: Directed Graduate Studies in Art History 3 credits, Grading Method REG AUD			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
ARTH 798	Directed Graduate Studies in Art History 3 credits, Grading Method REG AUD			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
ARTH 799	Master's Thesis Research 1-6 credits, Grading Method REG			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
ARTH 899	Doctoral Dissertation Research 1-8 credits, Grading Method REG			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	

ARTT

ART STUDIO (ARTS AND HUMANITIES)

ARTT 100	Elements of Design 3 credits, Grading Method REG P F AUD Formerly ARTS 100			
0101	MTuWThF 3 00pm-5 00pm	Bldg ASY Room 2314 (LAB)	Klank R	
0201	MTuWThF 9 30am-11 30am	Bldg ASY Room 2314 (LAB)	Pogue S	
Principles and elements of design through manipulation and organization of materials in two and three dimensions.				
ARTT 110	Elements of Drawing 3 credits, Grading Method REG P F AUD Formerly ARTS 110			
0101	MTuWThF 9 00am-11 30am	Bldg ASY Room 2317 (LAB)	Niese H	
0201	MTuWThF 12 30pm-3 00pm	Bldg ASY Room 2317 (LAB)	Pogue S	
An introductory course with a variety of media and related techniques. Problems based on still life, figure, and nature.				
ARTT 200	Intermediate Design 3 credits, Grading Method REG P F AUD Prerequisites: ARTT 100, and ARTT 110 Formerly ARTS 200			
0101	MTuWThF 3 00pm-5 00pm	Bldg ASY Room 2318 (LAB)	Klank R	
0201	MTuWThF 9 30am-11 30am	Bldg ASY Room 2318 (LAB)	Pogue S	
A continuation of Design I with more individually structured problems in terms of form, composition, and meaning.				
ARTT 206C	Design: Figure Modeling 3 credits, Grading Method REG P F AUD			
0101	MTuWThF 12 30pm-3 00pm	Bldg ASY Room 1310 (LAB)	Blotner P	
ARTT 210	Intermediate Drawing 3 credits, Grading Method REG P F AUD Prerequisites: ARTT 100, and ARTT 110 Formerly ARTS 210			
0101	MTuWThF 9 00am-11 30am	Bldg ASY Room 2321 (LAB)	Niese H	
0201	MTuWThF 12 30pm-3 00pm	Bldg ASY Room 2321 (LAB)	Pogue S	
Emphasis on understanding organic form, as related to study from the human figure and to pictorial composition.				
ARTT 320	Elements of Painting 3 credits, Grading Method REG P F AUD Prerequisite: ARTT 210 Formerly ARTS 320 Section 0201 focuses on watercolor			
0101	MTuWThF 12 30pm-3 00pm	Bldg ASY Room 3322 (LAB)	Niese H	
0201	MTuWThF 12 30pm-3 00pm	Bldg ASY Room 3304 (LAB)	Craig P	
0202	MTuWThF 3 00pm-5 30pm	Bldg ASY Room 3322 (LAB)	Craig P	
Basic tools and language of painting. Oil and/or water-based paints.				
ARTT 334	Elements of Sculpture: Construction 3 credits, Grading Method REG P F AUD Prerequisite: ARTT 210 Formerly ARTS 334			
0101	MTuWThF 3 00pm-5 30pm	Bldg ASY Room 1310 (LAB)	Blotner P	
Basic techniques and processes related to metal, plaster, fiberglass and wood construction.				
ARTT 418	Drawing: Drawing 3 credits, Grading Method REG P F AUD			
0101	MTuWThF 9 00am-11 30am	Bldg ASY Room 2321 (LAB)	Niese H	
0201	MTuWThF 12 30pm-3 00pm	Bldg ASY Room 2321 (LAB)	Pogue S	
ARTT 428	Painting 3 credits, Grading Method REG P F AUD			
0101	MTuWThF 12 30pm-3 00pm	Bldg ASY Room 3322 (LAB)	Niese H	
0201	MTuWThF 3 00pm-5 30pm	Bldg ASY Room 3322 (LAB)	Craig P	
ARTT 428A	Painting: Water Color 3 credits, Grading Method REG P F AUD			
0201	MTuWThF 12 30pm-3 00pm	Bldg ASY Room 3304 (LAB)	Craig P	
ARTT 498	Directed Studies in Studio Art 2-3 credits, Grading Method REG P F AUD			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
ARTT 698	Directed Graduate Studies in Studio Art 3 credits, Grading Method REG AUD			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
ARTT 798	Directed Graduate Studies in Studio Art 3 credits, Grading Method REG AUD			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
ARTT 799	Master's Thesis Research 1-6 credits, Grading Method REG S F			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	

ASTR

ASTRONOMY (COMPUTER, MATHEMATICAL AND PHYSICAL SCIENCES)

ASTR 100	Introduction to Astronomy 3 credits, Grading Method REG P F AUD Credit for ASTR 100 cannot be obtained after, or simultaneously with, receiving credit for any astronomy course numbered 150 or higher. Course meets University Studies Program Distributive Studies non-lab science and mathematics requirement. If ASTR 110 or 111 are taken at the same or at a later time, the combination may be counted as lab science requirement.			
0101	MTuWThF 9 30am-10 50am	Bldg CSS Room 2330	Harrington J	
0201	MTuWThF 9 30am-10 50am	Bldg CSS Room 0201	Rose W	
An introductory course in descriptive astronomy, especially appropriate for non-science students. Sun, moon, planets, stars and nebulae; galaxies, evolution.				
ASTR 110	Astronomy Laboratory 1 credit, Grading Method REG P F AUD Pre- or corequisite: ASTR 100			
0101	TuTh 10pm-3 00pm	Bldg CSS Room 1103 (LAB)	Wentzel D	
0201	TuTh 10pm-3 00pm	Bldg CSS Room 1103 (LAB)	Wentzel D	
Exercises include use of photographs of moon, stars, nebulae and galaxies and spectra, experiments demonstrating scientific concepts used in astronomy. Daytime and nighttime observations if weather permits. Appropriate for non-science majors.				
ASTR 288	Special Projects in Astronomy 1-3 credits, Grading Method REG P F AUD Permission of department required			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
ASTR 330	Solar System Astronomy 3 credits, Grading Method REG P F AUD Meets USP Advanced Studies Development of Knowledge requirement. Prerequisite: ASTR 100 and completion of University Studies requirement in the natural science or permission of department.			
0201	MTuWThF 12 30pm-1 50pm	Bldg CSS Room 2324	Wentzel D	
Designed primarily for non-physical-science majors. The structure of planets and of their atmospheres, the nature of comets, asteroids, and satellites. Comparison of various theories for the origin of the solar system. Emphasis on a description of recent data and interpretation.				
ASTR 380	Life in the Universe 3 credits, Grading Method REG P F AUD Meets USP Advanced Studies Development of Knowledge requirement. Prerequisite: ASTR 100 and completion of University Studies requirement in the natural science or permission of department.			
0101	MTuWThF 12 30pm-1 50pm	Bldg CSS Room 2330	Harrington J	
Designed primarily for non-physical science majors. Study of the astronomical perspective on the conditions for the origin and existence of life. Communication with extraterrestrial life.				
ASTR 498	Special Problems in Astronomy 1-6 credits, Grading Method REG P F AUD Permission of department required			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
ASTR 699	Special Problems in Advanced Astronomy 1-6 credits, Grading Method REG AUD			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
ASTR 799	Master's Thesis Research 1-6 credits, Grading Method REG			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
ASTR 899	Doctoral Dissertation Research 1-8 credits, Grading Method REG			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	

BCHM

BIOCHEMISTRY (LIFE SCIENCES)

BCHM 261	Elements of Biochemistry 3 credits, Grading Method REG P F AUD Prerequisite: CHEM 104 or CHEM 233 or CHEM 235 Not open to students who have completed BCHM 461			
0101	MTuWThF 8 00am-9 20am	Bldg CHM Room 1402	Staff	
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.				
BCHM 461	Biochemistry I 3 credits, Grading Method REG P F AUD Prerequisites: CHEM 243 or CHEM 245			
0101	MTuWThF 9 30am-10 50am	Bldg CHM Room 1407	Staff	
A comprehensive introduction to general biochemistry. The chemistry and metabolism of carbohydrates, lipids, nucleic acids, and proteins.				
BCHM 462	Biochemistry II 3 credits, Grading Method REG P F AUD Prerequisite: BCHM 461			
0201	MTuWThF 9 30am-10 50am	Bldg CHM Room 1407	Staff	
A continuation of BCHM 461.				
BCHM 699	Special Problems in Biochemistry 1-6 credits, Grading Method REG AUD			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
BCHM 799	Master's Thesis Research 1-6 credits, Grading Method REG			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
BCHM 899	Doctoral Dissertation Research 1-8 credits, Grading Method REG			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	

BIOL

BIOLOGY (LIFE SCIENCES)

BIOL 105	Principles of Biology 1 4 credits, Grading Method REG P F AUD Meets USP Distributive Studies (B)Natural Sciences and Mathematics requirement. For science majors. Credit will be granted for only one of the following: BIOL 101, BIOL 100, ZOOL 101, BIOL 105			
0101	MTuWThF 8 00am-9 15am	Bldg HJP Room 1229	Mayer, R	
0102	TuWTh 9 30am-12 30pm	Bldg HJP Room 2103 (LAB)	Mayer, R	
0102	MTuWThF 8 00am-9 15am	Bldg HJP Room 1229	Mayer, R	
0102	TuWTh 9 30am-12 30pm	Bldg HJP Room 2104 (LAB)	Mayer, R	
Basic principles of biology with special emphasis on cellular and molecular biology.				
BIOL 106	Principles of Biology II 4 credits, Grading Method REG P F AUD Meets USP Distributive Studies (B)Natural Sciences and Mathematics requirement. Prerequisite: BIOL 105 For science majors			
0201	MTuWThF 11 00am-11 50am	Bldg ZOP Room 2283	Kent, B	
0201	TuWTh 8 00am-11 50am	Bldg ZOP Room 0245 (LAB)	Kent, B	
0201	MTuWThF 11 00am-11 50am	Bldg ZOP Room 2283	Kent, B	
0201	TuWTh 1 00pm-4 00pm	Bldg ZOP Room 0245 (LAB)	Kent, B	
Basic principles of biology with special emphasis on organismic, ecological and evolutionary biology.				

BIOL continued

BIOL 398	Honors Research Problems in Biology 1-3 credits. Grading Method REG		
	Permission of department required. Contact L. Berg (1225 H J Patterson) to obtain section number.		
0101	Time Arranged	Room Arranged	Stein, D
0102	Time Arranged	Room Arranged	Forsyth Jr., I
0201	Time Arranged	Room Arranged	Stein, D
0202	Time Arranged	Room Arranged	Forsyth Jr., I

BMGT

BUSINESS AND MANAGEMENT
(BUSINESS AND MANAGEMENT)

BMGT 110	Introduction to Business and Management		
	3 credits. Grading Method REG P.F. A/UD		
0101	MW 7:00pm-10:00pm	Bldg LEF, Room 2166	McGrinnis, M
0201	TuTh 9:30am-10:50am	Bldg TYD, Room 1140	Staff
	A survey of the field of business, including its environment, organization, overall and functional management, and current issues and developments.		
BMGT 220	Principles of Accounting I 3 credits. Grading Method REG		
	Sophomore standing		
0101	MtUWThF 8:00am-9:20am	Bldg TYD, Room 0102	Staff
0102	MtUWThF 9:30am-10:50am	Bldg TYD, Room 1101	Staff
0103	MW 7:00pm-10:00pm	Bldg TYD, Room 0111	Staff
0201	TuTh 7:00pm-10:00pm	Bldg LEF, Room 1221	Staff
0202	MtUWThF 9:30am-10:50am	Bldg TYD, Room 0117	Staff
0202	MW 7:00pm-10:00pm	Bldg TYD, Room 1108	Staff
0203	TuTh 7:00pm-10:00pm	Bldg TYD, Room 2108	Staff
	Study of the basic principles of accounting for business enterprises.		
BMGT 221	Principles of Accounting II 3 credits. Grading Method REG		
	Prerequisite: BMGT 220		
0101	MtUWThF 8:00am-9:20am	Bldg TYD, Room 2106	Staff
0102	MtUWThF 9:30am-10:50am	Bldg TYD, Room 1101	Staff
0103	TuTh 7:00pm-10:00pm	Bldg TYD, Room 2106	Staff
0201	MtUWThF 2:00pm-3:20pm	Bldg TYD, Room 2106	Staff
0202	MW 7:00pm-10:00pm	Bldg TYD, Room 0102	Staff
	Continuation of BMGT 220		
BMGT 230	Business Statistics 3 credits. Grading Method 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 484, BIOM 301, BMGT 230, CNEC 400, ECON 321, EDMS 451, GEOG 305, GPVT 422, PSYC 200, SOC 201, URB 450 or TEXT 420.		
0101	MtUWThF 11:00am-12:20pm	Bldg TYD, Room 0102	Widhelm, W
0102	MtUWThF 12:30pm-1:50pm	Bldg TYD, Room 0102	Staff
0201	MtUWThF 9:30am-10:50am	Bldg TYD, Room 1108	Staff
0202	MW 7:00pm-10:00pm	Bldg TYD, Room 1101	Staff
0203	TuTh 7:00pm-10:00pm	Bldg TYD, Room 0101	Staff
	Introduction to concepts 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.		
BMGT 231	Statistical Models For Business 3 credits. Grading Method REG		
	Prerequisite: MATH 141 or permission of department. For management science and statistics majors. Credit will be granted for only one of the following: BMGT 231, ENEE 324 or STAT 400.		
0101	TuTh 12:30pm-3:30pm	Bldg TYD, Room 1108	Staff
	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.		
BMGT 301	Introduction to Data Processing 3 credits. Grading Method REG		
0101	MtUWThF 8:00am-12:20pm	Bldg TYD, Room 0111	Staff
0102	MW 4:00pm-7:00pm	Bldg TYD, Room 1140	Charles Jr., J
0103	MW 7:00pm-10:00pm	Bldg TYD, Room 2106	Charles Jr., J
0201	MtUWThF 8:00am-9:20am	Bldg TYD, Room 0111	Staff
0202	MW 7:00pm-10:00pm	Bldg TYD, Room 1111	Staff
0203	TuTh 7:00pm-10:00pm	Bldg TYD, Room 0117	Spear, R
	The fundamentals of business data processing. Organizational, environmental and managerial aspects of computer systems. Heavy emphasis on COBOL language. Limited coverage of other business computing languages including the report generator (RPG) language. Several programming projects assigned.		
BMGT 302	Information Systems Implementation Techniques 3 credits. Grading Method REG		
	Prerequisite: BMGT 301		
0101	TuTh 3:00pm-6:00pm	Bldg TYD, Room 0117	Staff
0201	TuTh 4:00pm-7:00pm	Bldg TYD, Room 2111	Spear, R
	Advanced concepts and tools necessary for the construction of computer based information systems. Operating systems, data and storage structures, file processing and advanced features of the COBOL language. Techniques related to the overall development of software projects including project management, software design, software engineering, software documentation. Several programming projects assigned.		
BMGT 310	Intermediate Accounting I 3 credits. Grading Method REG		
	Prerequisite: BMGT 221		
0101	MtUWThF 8:00am-9:20am	Bldg TYD, Room 0117	Staff
0102	MtUWThF 9:30am-10:50am	Bldg TYD, Room 0102	Staff
0103	TuTh 7:00pm-10:00pm	Bldg TYD, Room 1140	Staff
0201	MtUWThF 8:00am-9:20am	Bldg TYD, Room 0117	Staff
	Comprehensive study of financial accounting topics related to financial statement preparation and external reporting.		
BMGT 311	Intermediate Accounting II 3 credits. Grading Method REG		
	Prerequisite: BMGT 310		
0101	MtUWThF 11:00am-12:20pm	Bldg TYD, Room 1132	Staff
0102	MW 7:00pm-10:00pm	Bldg TYD, Room 0111	Staff
0201	MtUWThF 9:30am-10:50am	Bldg TYD, Room 0111	Staff
	Continuation of BMGT 310		
BMGT 321	Cost Accounting 3 credits. Grading Method REG		
	Prerequisite: BMGT 221		
0101	MtUWThF 9:30am-10:50am	Bldg TYD, Room 2108	Staff
0102	TuTh 7:00pm-10:00pm	Bldg TYD, Room 1102	Staff
	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.		
BMGT 323	Income Tax Accounting 3 credits. Grading Method REG		
	Prerequisite: BMGT 221		
0101	MW 7:00pm-10:00pm	Bldg TYD, Room 1132	Staff
0201	MtUWThF 12:30pm-1:50pm	Bldg TYD, Room 0101	Staff
	Introduction to federal income taxation of individuals. Examination of tax laws by use of illustrative examples and problems.		

BMGT continued

BMGT 326	Accounting Systems 3 credits. Grading Method REG		
	Prerequisites: BMGT 301, and BMGT 321		
0101	TuTh 7:00pm-10:00pm	Bldg TYD, Room 2106	Staff
	A study of the control aspects of accounting systems. Topics include: standard setting; administrative, operational, and security controls; cost effectiveness of systems; audit implications of a computer-based information environment.		
BMGT 332	Operations Research For Management Decisions 3 credits. Grading Method REG		
	Prerequisite: BMGT 230		
0101	MW 12:30pm-3:30pm	Bldg TYD, Room 1128	Staff
0201	TuTh 7:00pm-10:00pm	Bldg TYD, Room 0111	Gass, S
	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, inventories and queueing models. Emphasis is placed on formulating and solving decision problems in the functional areas of management.		
BMGT 340	Business Finance 3 credits. Grading Method REG		
	Prerequisites: BMGT 221, and BMGT 230, or BMGT 231		
0101	MtUWThF 9:30am-10:50am	Bldg TYD, Room 0117	Staff
0102	MW 7:00pm-10:00pm	Bldg TYD, Room 1114	Staff
0103	TuTh 7:00pm-10:00pm	Bldg JRN, Room 1104	Soubra B
0201	MtUWThF 9:30am-10:50am	Bldg TYD, Room 1118	Staff
0202	MW 7:00pm-10:00pm	Bldg TYD, Room 1114	Chang, E
0203	TuTh 7:00pm-10:00pm	Bldg TYD, Room 1114	Chang, E
	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 faced by management.		
BMGT 343	Investments 3 credits. Grading Method REG		
	Prerequisite: BMGT 340		
0101	TuTh 7:00pm-10:00pm	Bldg LEF, Room 1208	Eun, C
0201	MtUWThF 11:00am-12:20pm	Bldg TYD, Room 0111	Chen, S
	An introduction to financial investment. Topics include: securities and securities markets; investment risks, returns, and constraints; portfolio policies; and institutional investment policies.		
BMGT 350	Marketing Principles and Organization 3 credits. Grading Method REG		
	Prerequisite: ECON 203, or ECON 205		
0101	MtUWThF 9:30am-10:50am	Bldg TYD, Room 1102	Staff
0102	MtUWThF 11:00am-12:20pm	Bldg TYD, Room 1101	Staff
0103	MW 6:30pm-9:30pm	Bldg TYD, Room 1118	Staff
0104	TuTh 7:00pm-10:00pm	Bldg TYD, Room 0101	Staff
0201	MtUWThF 11:00am-12:20pm	Bldg TYD, Room 1108	Staff
0202	MW 6:30pm-9:30pm	Bldg TYD, Room 1101	Staff
0203	TuTh 7:00pm-10:00pm	Bldg TYD, Room 1128	Staff
	An introductory course in the field of marketing. Its purpose is to give a general understanding and appreciation of the forces operating, institutions employed, and methods followed in marketing agricultural products, natural products, services, and manufactured goods.		
BMGT 354	Promotion Management 3 credits. Grading Method REG		
	Prerequisite: BMGT 350		
0101	MW 7:00pm-10:00pm	Bldg TYD, Room 2108	Staff
0201	MtUWThF 8:00am-9:20am	Bldg TYD, Room 1140	Staff
	The use of advertising, personal selling, sales promotions, and other methods in marketing programs. Case studies in the use and coordination of demand stimulation methods, analysis and planning. Research, testing and statistical control of promotional activities.		
BMGT 360	Personnel Management 3 credits. Grading Method REG		
0101	TuTh 3:00pm-6:00pm	Bldg TYD, Room 1118	Olan, J
0201	TuTh 3:00pm-6:00pm	Bldg TYD, Room 0101	Staff
	The basic course in personnel management including manpower planning, recruitment, selection, development, compensation, and appraisal of employees. Explores the impact of labor management and unionism on these functions.		
BMGT 362	Labor Relations 3 credits. Grading Method REG		
0101	MtUWThF 11:00am-12:20pm	Bldg TYD, Room 1102	Levine, M
	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, lockouts, company unions, employee representation, and injunctions.		
BMGT 364	Management and Organization Theory 3 credits. Grading Method REG		
0101	MtUWThF 9:30am-10:50am	Bldg ASY, Room 3219	Levine, M
0102	MW 7:00pm-10:00pm	Bldg TYD, Room 1128	Barot, K
0103	TuTh 7:00pm-10:00pm	Bldg TYD, Room 1118	Barot, K
0201	MtUWThF 9:30am-10:50am	Bldg TYD, Room 2108	Staff
0202	TuTh 7:00pm-10:00pm	Bldg TYD, Room 1118	Staff
	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.		
BMGT 370	Principles of Transportation 3 credits. Grading Method REG		
	Prerequisite: ECON 203, or ECON 205		
0101	TuTh 7:00pm-10:00pm	Bldg TYD, Room 1132	Grimm, C
0201	MtUWThF 11:00am-12:20pm	Bldg TYD, Room 0101	Staff
	A general course covering the five fields of transportation, their development, service, and regulation.		
BMGT 372	Traffic and Physical Distribution Management 3 credits. Grading Method REG		
0101	MtUWThF 9:30am-10:50am	Bldg TYD, Room 2109	Poist, R
	Examines the management aspects of the business firm in moving their raw materials and finished goods through traffic, warehousing, inventory purchasing, materials handling, and inventory. A systematic examination of the trade-off possibilities and management alternatives to minimize cost of product flow and maximizing customer service is provided.		
BMGT 380	Business Law I 3 credits. Grading Method REG		
0101	MtUWThF 9:30am-10:50am	Bldg TYD, Room 0111	Staff
0102	MW 7:00pm-10:00pm	Bldg LEF, Room 1222	Jones, R
0103	TuTh 7:00pm-10:00pm	Bldg TYD, Room 0117	Jones, R
0201	MtUWThF 8:00am-9:20am	Bldg TYD, Room 2108	Staff
0202	TuTh 7:00pm-10:00pm	Bldg TYD, Room 2109	Staff
	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.		
BMGT 381	Business Law II 3 credits. Grading Method REG		
	Prerequisite: BMGT 380 or permission of department		
0101	MW 7:00pm-10:00pm	Bldg TYD, Room 0102	Staff
	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.		
BMGT 386	Field Work I 3 credits. Grading Method REG		
	Permission of department required		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
BMGT 387	Field Work Analysis I-3 credits. Grading Method REG		
	Permission of department required		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

BMGT continued

BMGT 398	Individual Study in Business and Management I 3 credits. Grading Method: REG		
	Permission of department required		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
BMGT 402	Database and Data Communication Systems 3 credits. Grading Method: REG		
	Prerequisite: BMGT 302		
0101	TuTh 4:00pm-7:00pm	Bldg TYD, Room 2110	Staff
	Introduction to database and data communications systems. Modeling and database construction using the three data models: network, relational and hierarchical. Implementation project using dBASE III/II database system. Data communications protocols and communications network software are. Analysis of distributed systems and computer networks. Emphasis on new technologies.		
BMGT 403	Systems Analysis 3 credits. Grading Method: REG		
	Prerequisite: BMGT 402		
0101	TuTh 4:00pm-7:00pm	Bldg TYD, Room 1140	Staff
	Techniques and tools applicable to the analysis and design of computer based information systems. System life cycle, requirements analysis, design of data bases, performance evaluation. Emphasis on case studies. Project required that involves the design, analysis and implementation of an information system.		
BMGT 404	Seminar in Decision Support Systems 3 credits. Grading Method: REG		
	Prerequisite: BMGT 301		
0201	TuTh 4:00pm-7:00pm	Bldg TYD, Room 1108	Staff
	Design of computer systems to solve business problems and to support decision making. Human and organizational factors are considered. Emphasis on case studies.		
BMGT 417	Advanced Tax Accounting 3 credits. Grading Method: REG		
	Prerequisites: BMGT 311, and BMGT 323		
0201	MTuWThF 10:00am-12:20pm	Bldg TYD, Room 1101	Staff
	Federal taxation of corporations, partnerships, industries, and gratuitous transfers. Tools and techniques of tax research for compliance and planning.		
BMGT 422	Auditing Theory and Practice 3 credits. Grading Method: REG		
	Prerequisite: BMGT 311		
0101	TuTh 7:00pm-10:00pm	Bldg TYD, Room 2106	Staff
	A study of the independent accountant's attest function, generally accepted auditing standards, compliance and substantive tests, and report forms and opinions.		
BMGT 424	Advanced Accounting 3 credits. Grading Method: REG		
	Prerequisite: BMGT 311		
0101	MTuWThF 9:00am-9:20am	Bldg TYD, Room 1108	Staff
	Advanced accounting theory applied to specialized topics and current problems. Emphasis on consolidated statements and partnership accounting.		
BMGT 435	Introduction to Applied Probability Models 3 credits. Grading Method: REG		
	Prerequisite: BMGT 231 or permission of department		
0101	MW 4:00pm-7:00pm	Bldg TYD, Room 0102	Staff
	Statistical models in management. Review of probability theory, Monte Carlo methods, discrete event simulation, Markov chains, queuing analysis, other topics depending upon time. Gauss, a higher-level computer language, will be introduced in the class and the students will carry out various exercises using this language.		
BMGT 440	Financial Management 3 credits. Grading Method: REG		
	Prerequisite: BMGT 340		
0101	MW 7:00pm-10:00pm	Bldg TYD, Room 1108	Soubra, B
0201	MW 7:00pm-10:00pm	Bldg TYD, Room 1118	Staff
	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.		
BMGT 445	Commercial Bank Management 3 credits. Grading Method: REG		
	Prerequisites: BMGT 340, and ECON 430		
0101	TuTh 7:00pm-10:00pm	Bldg TYD, Room 1108	Unal, H
0201	TuTh 7:00pm-10:00pm	Bldg TYD, Room 1108	Unal, H
	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.		
BMGT 451	Consumer Analysis 3 credits. Grading Method: REG		
	Prerequisite: PSYC 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.		
0101	MTuWThF 9:30am-10:50am	Bldg TYD, Room 1108	Durand, R
	American consumer in the marketing system. Underlying consumer behaviors such as economic, social, psychological and cultural factors. Analysis of consumers in marketing situations - as a buyer and user of products and services - and in relation to the various individual social and marketing factors affecting their behavior. The influence of marketing communication is also considered.		
BMGT 452	Marketing Research Methods 3 credits. Grading Method: REG		
	Prerequisites: BMGT 230, and BMGT 451. Formerly BMGT 450		
0101	MTuWThF 9:30am-10:50am	Bldg TYD, Room 1108	Staff
0201	MTuWThF 11:00am-12:20pm	Bldg TYD, Room 2128	Stephens, D
	Develops skills in the use of scientific methods in the acquisition, analysis and interpretation of marketing data. It covers the specialized fields of marketing research: the planning of survey projects, sample design, tabulation procedure and report preparation.		
BMGT 454	International Marketing 3 credits. Grading Method: REG		
	Prerequisites: BMGT 350 plus one other marketing course		
0101	MTuWThF 9:30am-10:50am	Bldg TYD, Room 2106	Staff
	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.		
BMGT 457	Marketing Policies and Strategies 3 credits. Grading Method: REG		
	Prerequisite: BMGT 452		
0101	MTuWThF 11:00am-12:20pm	Bldg TYD, Room 2108	Biehle, G
0201	MTuWThF 9:30am-10:50am	Bldg TYD, Room 2106	Stephens, D
	Marketing decision making in marketing. Emphasis on consumer and market analysis and the appropriate decision models. Case studies are included.		
BMGT 495	Business Policies 3 credits. Grading Method: REG		
	Prerequisites: BMGT 340, and BMGT 350; and BMGT 364. BMGT majors only. All others must have authorization		
0101	MTuWThF 9:30am-10:50am	Bldg TYD, Room 1118	Staff
0102	TuTh 4:00pm-7:00pm	Bldg TYD, Room 1128	Gannon, M
0103	TuTh 7:00pm-10:00pm	Bldg TYD, Room 1111	Gannon, M
0201	MTuWThF 9:30am-10:50am	Bldg TYD, Room 2101	Staff
0202	MTuWThF 11:00am-12:20pm	Bldg TYD, Room 0102	Staff
0203	TuTh 4:00pm-7:00pm	Bldg TYD, Room 1118	Staff
0204	TuTh 7:00pm-10:00pm	Bldg TYD, Room 2102	Staff
	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 501	Business Functions 4 credits. Grading Method: REG		
	Permission of department required		
0101	MW 6:00pm-10:00pm	Bldg TYD, Room 1136	Staff
	Intensive review of marketing and finance functions in the business enterprise. Credit not applicable to graduate degrees.		

BMGT continued

BMGT 505	Organizational Behavior and Strategic Management 3 credits. Grading Method: REG		
	Permission of department required		
0201	MW 7:00pm-10:00pm	Bldg TYD, Room 2108	Staff
	Intensive review of organizational behavior theory, and administrative processes and policy in the business enterprise. Credit not applicable to graduate degrees.		
BMGT 630	Managerial Statistics I 3 credits. Grading Method: REG		
	Permission of department required		
0101	MW 7:00pm-10:00pm	Bldg TYD, Room 1140	Alt, F
0102	TuTh 7:00pm-10:00pm	Bldg TYD, Room 1101	Alt, F
0201	MW 7:00pm-10:00pm	Bldg TYD, Room 1128	Staff
0202	TuTh 7:00pm-10:00pm	Bldg TYD, Room 1140	Staff
	Application of statistical concepts to solution of business problems. Laboratory use of computer packages.		
BMGT 661	Human Resources Management 3 credits. Grading Method: REG		
	Permission of department required		
0101	TuTh 7:00pm-10:00pm	Bldg TYD, Room 2102	Olan, J
0201	TuTh 6:00pm-9:00pm	Bldg TYD, Room 1102	Staff
	The human resource function in organizations. Human resource planning, procurement and selection, training and development, performance appraisal, wage and salary administration, and capital employment.		
BMGT 670	Economic Environment 3 credits. Grading Method: REG		
	Permission of department required		
0101	MW 7:00pm-10:00pm	Bldg TYD, Room 0117	Staff
0102	TuTh 7:00pm-10:00pm	Bldg TYD, Room 2109	Staff
0201	TuTh 7:00pm-10:00pm	Bldg TYD, Room 0102	Staff
	The macroeconomic environment and its impact on the business enterprise. Nature of economic fluctuations, analysis of consumer spending, theory and analysis of investment spending, supply and demand for money, and capital, modern macroeconomic theory, international problems, forecasting and an analysis of economic conditions.		
BMGT 672	Physical Distribution Management 3 credits. Grading Method: REG		
	Permission of department required		
0101	MW 7:00pm-10:00pm	Bldg TYD, Room 2110	Post, R
	Managerial practices related to total cost approach to physical distribution. Interrelations among purchased transport services, privately supplied transport services, warehousing, inventory control, materials handling, packaging, and plant location. The communications network to support physical distribution. The problems of coordination between the physical movement management function and other functional areas within the business firm, such as accounting, finance, marketing, and production.		
BMGT 690	Strategic Management 3 credits. Grading Method: REG		
	Permission of department required. Prerequisites: permission of department, and completion of all other MBA core courses (excepting for this course)		
0101	MW 7:00pm-10:00pm	Bldg TYD, Room 1102	Staff
0201	TuTh 7:00pm-10:00pm	Bldg TYD, Room 1101	Staff
	Case studies and research in the identification of management problems, the evaluation of alternative solutions, and the recommendation of management implementation.		
BMGT 710	Advanced Accounting Theory 3 credits. Grading Method: REG		
	Permission of department required. Prerequisite: BMGT 616		
0201	MW 7:00pm-10:00pm	Bldg TYD, Room 1136	Staff
	Contemporary issues in financial accounting. The nature of income, the relationship between asset valuation and success determination, and various approaches to accounting for inflation. The accounting standards setting process. The measurement and valuation of assets (e.g., foreign investments) and liabilities (e.g., leases and pensions).		
BMGT 713	The Impact of Taxation On Business Decisions 3 credits. Grading Method: REG		
	Permission of department required. Prerequisite: BMGT 611		
0101	TuTh 7:00pm-10:00pm	Bldg TYD, Room 1110	Staff
	The impact of tax law and regulations on alternative strategies with particular emphasis on the large, multidivisional firm. Problems of acquisitions, mergers, spinoffs, and other diversitures from the viewpoint of profit planning, cash flow, and tax deferralment.		
BMGT 716	File Processing and Database Systems 3 credits. Grading Method: REG/AUD		
	Permission of department required. Prerequisite: permission of department		
0101	TuTh 7:00pm-10:00pm	Bldg TYD, Room 0102	Staff
	Concepts and techniques for structuring data on secondary storage devices. Experience in the use of these techniques. The basic data structures necessary for these techniques. Typical file processing applications.		
BMGT 741	Advanced Financial Management 3 credits. Grading Method: REG		
	Permission of department required. Prerequisite: BMGT 640.		
0201	TuTh 7:00pm-10:00pm	Bldg TYD, Room 2110	Chen, S
	Concepts underlying financial decision making in the firm. Case studies, model building and applications in financial theory and management.		
BMGT 743	Investment Management 3 credits. Grading Method: REG		
	Permission of department required. Prerequisite: BMGT 640		
0101	MW 7:00pm-10:00pm	Bldg TYD, Room 1101	Eun, C
	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.		
BMGT 753	International Marketing 3 credits. Grading Method: REG		
	Permission of department required. Prerequisite: BMGT 650		
0101	TuTh 7:00pm-10:00pm	Bldg TYD, Room 2110	Staff
	Environmental, organizational, and financial aspects of international marketing as well as problems of marketing research, pricing, channels of distribution, product policy, and communications which face U.S. firms trading with foreign firms or which face foreign firms in their operations.		
BMGT 791	MBA Field Project 3 credits. Grading Method: REG		
	Permission of department required. Prerequisite: permission of department. Total Enterprise Strategy - Management Practicum.		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
	Experiential research project in the identification of management problems, the evaluation of alternative solutions, and the recommendation for management.		
BMGT 795	Management of the Multinational Firm 3 credits. Grading Method: REG/AUD		
	Permission of department required		
0101	TuTh 7:00pm-10:00pm	Bldg ASY, Room 3217	Schriega, C
	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.		
BMGT 798B	Special Topics in Business and Management: Strategic Marketing 3 credits. Grading Method: REG		
	Permission of department required		
0101	MW 6:30pm-9:30pm	Bldg TYD, Room 2111	Biehle, G
BMGT 798E	Special Topics in Business and Management: Telecommunications Technology Part IV 3 credits. Grading Method: REG/AUD		
	Permission of department required		
0201	TuTh 7:00pm-10:00pm	Bldg TYD, Room 2140	Staff
BMGT 798G	Special Topics in Business and Management: Executive Power and Negotiation 3 credits. Grading Method: REG		
	Permission of department required		
0101	MW 7:00pm-10:00pm	Bldg TYD, Room 2140	Taylor, M

BMGT continued

BMGT 799 Master's Thesis Research 1-6 credits; Grading Method REG			
Permission of department required			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
BMGT 828 Independent Study in Business and Management 1-2 credits; Grading Method REG			
Permission of department required Contact Graduate Program Director to make arrangements.			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
BMGT 899 Doctoral Dissertation Research 1-8 credits; Grading Method REG			
Permission of department required Contact Graduate Program Director to make arrangements.			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

BOTN

BOTN 100 General Botany For Non-Science Students 4 credits; Grading Method REG-P-F/AUD			
Meets USP Distributive Studies (B) Natural Sciences and Mathematics requirement Credit will be granted for only one of the following: BOTN 100 or BOTN 101			
0101	MTuWThF 9:00am-9:50am	Bldg HJP, Room 2242	Van Valkenburg, S
	MTuWThF 10:00am-12:00pm	Bldg HJP, Room 2226 (LAB)	
0102	MTuWThF 9:00am-9:50am	Bldg HJP, Room 2242	Van Valkenburg, S
	MTuWThF 10:00am-12:00pm	Bldg HJP, Room 2230 (LAB)	
0201	MTuWThF 9:00am-9:50am	Bldg HJP, Room 2242	Koines, P.
	MTuWThF 10:00am-12:00pm	Bldg HJP, Room 2226 (LAB)	
0202	MTuWThF 9:00am-9:50am	Bldg HJP, Room 2242	Koines, P.
	MTuWThF 10:00am-12:00pm	Bldg HJP, Room 2230 (LAB)	
A basic course in plant biology specifically designed to meet the educational needs of the general or non-science student. Emphasis is placed on the ecological approach to studying fundamental concepts and processes of plants, and stressing the importance of plant life to human welfare. This course will not count towards graduation requirements for any student in the College of Life Sciences or the College of Agriculture.			

BOTN 399 Research Problems in Botany: Research Problems in Botany 1-2 credits; Grading Method REG-P-F/AUD			
Permission of department required.			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
BOTN 403 Medicinal and Poisonous Plants 2 credits; Grading Method REG-P-F/AUD			
Prerequisite: BIOL 105 and CHEM 104			
0101	MW 4:15pm-7:00pm	Bldg HJP, Room 1229	Lockard, J
A study of plants important to humans that have medicinal or poisonous properties. Emphasis on plant source, plant description, the active agent and its beneficial or detrimental physiological action and effects.			
BOTN 799 Master's Thesis Research 1-6 credits; Grading Method REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
BOTN 899 Doctoral Dissertation Research 1-8 credits; Grading Method REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

BSOS**BEHAVIORAL AND SOCIAL SCIENCES (BEHAVIORAL AND SOCIAL SCIENCES)**

BSOS 396 Field Work 3 credits; Grading Method REG-P-F/AUD			
0101	Time Arranged	Room Arranged	Beardsley, K
0102	Time Arranged	Room Arranged	Sorenson, G
0201	Time Arranged	Room Arranged	Sorenson, G
BSOS 387 Field Work Analysis 3 credits; Grading Method REG-P-F/AUD			
0101	Time Arranged	Room Arranged	Beardsley, K
0102	Time Arranged	Room Arranged	Sorenson, G
0201	Time Arranged	Room Arranged	Sorenson, G

CHEM**CHEMISTRY (LIFE SCIENCES)**

CHEM 103 General Chemistry I 4 credits; Grading Method REG-P-F/AUD			
Meets USP Distributive Studies (B) Natural Sciences and Mathematics requirement Prerequisite: a satisfactory math SAT score or an adequate knowledge of high school chemistry or satisfactory performance in CHEM 001. Credit will be granted for only one of the following: CHEM 102, CHEM 103, CHEM 105, CHEM 107, CHEM 111			
0131	MTuWThF 11:00am-12:20pm	Bldg PHY, Room 1410	Staff
	MWF 8:00am-10:50am	Bldg CHM, Room 1119 (LAB)	
	TuTh 9:30am-10:50am	Bldg PHY, Room 4220 (DIS)	
0132	MTuWThF 11:00am-12:20pm	Bldg CHM, Room 1109 (LAB)	Staff
	MWF 8:00am-10:50am	Bldg CHM, Room 1105 (LAB)	
	TuTh 9:30am-10:50am	Bldg PHY, Room 4208 (DIS)	
0133	MTuWThF 11:00am-12:20pm	Bldg PHY, Room 1410	Staff
	MWF 8:00am-10:50am	Bldg CHM, Room 1109 (LAB)	
	TuTh 9:30am-10:50am	Bldg CHM, Room 2201 (DIS)	
0134	MTuWThF 11:00am-12:20pm	Bldg PHY, Room 1410	Staff
	MWF 8:00am-10:50am	Bldg CHM, Room 1106 (LAB)	
	TuTh 9:30am-10:50am	Bldg CHM, Room 0127 (DIS)	
0231	MTuWThF 11:00am-12:20pm	Bldg CHM, Room 1402	Staff
	MWF 8:00am-10:50am	Bldg CHM, Room 1119 (LAB)	
	TuTh 9:30am-10:50am	Bldg EGR, Room 3114 (DIS)	
0232	MTuWThF 11:00am-12:20pm	Bldg CHM, Room 1402	Staff
	MWF 8:00am-10:50am	Bldg CHM, Room 1105 (LAB)	
	TuTh 9:30am-10:50am	Bldg EGR, Room 1110 (DIS)	
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.			

CHEM 104 Fundamentals of Organic and Biochemistry 4 credits; Grading Method REG-P-F/AUD			
Meets USP Distributive Studies (B) Natural Sciences and Mathematics requirement Prerequisite: CHEM 103 or CHEM 105. Credit will be granted for only one of the following: CHEM 104 and CHEM 233 (or CHEM 235). Discussion and laboratory meeting times will be arranged between 8:00am and 10:50am Monday through Friday			
0261	MTuWThF 11:00am-12:20pm	Bldg CHM, Room 0128	Staff
	Time Arranged	Room Arranged (LAB)	
	Time Arranged	Room Arranged (DIS)	
0262	MTuWThF 11:00am-12:20pm	Bldg CHM, Room 0128	Staff
	Time Arranged	Room Arranged (LAB)	

CHEM continued

CHEM 113 General Chemistry II 4 credits; Grading Method REG-P-F/AUD			
Meets USP Distributive Studies (B) Natural Sciences and Mathematics requirement. Prerequisite: CHEM 103 or CHEM 105. Credit will be granted for only one of the following: CHEM 113 or CHEM 115.			
0141	MTuWThF 11:00am-12:20pm	Bldg CHM, Room 1402	Staff
	MWF 8:00am-10:50am	Bldg CHM, Room 1122 (LAB)	
	TuTh 9:30am-10:50am	Bldg EGR, Room 3108 (DIS)	
0142	MTuWThF 11:00am-12:20pm	Bldg CHM, Room 1402	Staff
	MWF 8:00am-10:50am	Bldg CHM, Room 1122 (LAB)	
	TuTh 9:30am-10:50am	Bldg EGR, Room 3114 (DIS)	
0241	MTuWThF 11:00am-12:20pm	Bldg PHY, Room 1412	Staff
	MWF 8:00am-10:50am	Bldg CHM, Room 1122 (LAB)	
	TuTh 9:30am-10:50am	Bldg CHM, Room 0127 (DIS)	
0242	MTuWThF 11:00am-12:20pm	Bldg PHY, Room 1412	Staff
	MWF 8:00am-10:50am	Bldg CHM, Room 1128 (LAB)	
	TuTh 9:30am-10:50am	Bldg CHM, Room 0128 (DIS)	
0243	MTuWThF 11:00am-12:20pm	Bldg PHY, Room 1412	Staff
	MWF 8:00am-10:50am	Bldg CHM, Room 1112 (LAB)	
	TuTh 9:30am-10:50am	Bldg ANS, Room 1109 (DIS)	
Kinetics, homogeneous, heterogeneous, and ionic equilibria, oxidation-reduction, electrochemistry, chemistry of the elements.			
CHEM 233 Organic Chemistry I 4 credits; Grading Method REG-P-F/AUD			
Prerequisite: CHEM 113 or CHEM 115. Credit will be granted for only one of the following: CHEM 104, CHEM 233, CHEM 235. Discussion and laboratory meeting times will be arranged between 8:00am and 10:50am Monday through Friday.			
0171	MTuWThF 11:00am-12:20pm	Bldg CHM, Room 1407	Staff
	Time Arranged	Room Arranged (LAB)	
	Time Arranged	Room Arranged (DIS)	
0172	MTuWThF 11:00am-12:20pm	Bldg CHM, Room 1407	Staff
	Time Arranged	Room Arranged (LAB)	
	Time Arranged	Room Arranged (DIS)	
0173	MTuWThF 11:00am-12:20pm	Bldg CHM, Room 1407	Staff
	Time Arranged	Room Arranged (LAB)	
	Time Arranged	Room Arranged (DIS)	
0174	MTuWThF 11:00am-12:20pm	Bldg CHM, Room 1407	Staff
	Time Arranged	Room Arranged (LAB)	
	Time Arranged	Room Arranged (DIS)	
This course is the first of a two-semester sequence in organic chemistry and is intended to be followed by CHEM 243 or CHEM 245. The chemistry of carbon: aliphatic compounds, aromatic compounds, stereochemistry, alkenes, halides, alcohols, esters, and spectroscopy.			
CHEM 243 Organic Chemistry II 4 credits; Grading Method REG-P-F/AUD			
Prerequisite: CHEM 243 or CHEM 235. Credit will be granted for only one of the following: CHEM 243 or CHEM 245. Discussion and laboratory meeting times will be arranged between 8:00am and 10:50am Monday through Friday.			
0281	MTuWThF 11:00am-12:20pm	Bldg CHM, Room 1407	Staff
	Time Arranged	Room Arranged (LAB)	
	Time Arranged	Room Arranged (DIS)	
0282	MTuWThF 11:00am-12:20pm	Bldg CHM, Room 1407	Staff
	Time Arranged	Room Arranged (LAB)	
	Time Arranged	Room Arranged (DIS)	
0283	MTuWThF 11:00am-12:20pm	Bldg CHM, Room 1407	Staff
	Time Arranged	Room Arranged (LAB)	
	Time Arranged	Room Arranged (DIS)	
0284	MTuWThF 11:00am-12:20pm	Bldg CHM, Room 1407	Staff
	Time Arranged	Room Arranged (LAB)	
	Time Arranged	Room Arranged (DIS)	
A continuation of CHEM 233 with emphasis on molecular structure; substitution reactions; carbonium ions; aromaticity; synthetic processes; macro-molecules.			
CHEM 398 Special Projects 2 credits; Grading Method REG-P-F/AUD			
0101	Time Arranged	Room Arranged	Staff
CHEM 399 Introduction to Chemical Research 1-2 credits; Grading Method REG-P-F/AUD			
Permission of department required Research plans must be approved by Dr. Harwood before registration.			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
CHEM 481 Physical Chemistry I 3 credits; Grading Method REG-P-F/AUD			
Prerequisite: CHEM 113 or CHEM 115; CHEM 243 or CHEM 245; MATH 141; and PHYS 142 or PHYS 263. (PHYS 263 may be taken concurrently.)			
0101	MTuThF 8:00am-9:20am	Bldg CHM, Room 0128	Staff
A course primarily for chemists and chemical engineers.			
CHEM 482 Physical Chemistry II 3 credits; Grading Method REG-P-F/AUD			
Prerequisite: CHEM 481			
0101	Meets JUN 4 to JUL 26	Bldg CHM, Room 1402	Staff
A course primarily for chemists and chemical engineers.			
CHEM 699 Special Problems in Chemistry 1-6 credits; Grading Method REG/AUD			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
CHEM 799 Master's Thesis Research 1-6 credits; Grading Method: REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
CHEM 899 Doctoral Dissertation Research 1-8 credits; Grading Method: REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

CHIN**CHINESE (ARTS AND HUMANITIES)**

CHIN 101 Intensive Elementary Chinese I 6 credits; Grading Method REG-P-F/AUD			
Meets USP Distributive Studies (A) Cultural and Historical requirement. Permission of department required. Non-majors admitted only after a placement interview.			
0101	MTuWThF 9:30am-12:20pm	Bldg JMZ, Room 1123	Brown, W
Arrange for placement interview with Dr. Brown. Instruction to speaking, reading, and writing Chinese with an emphasis on mastering the essentials of pronunciation, basic characters and structural patterns.			
CHIN 102 Elementary Spoken Chinese 3 credits; Grading Method: REG-P-F/AUD			
Meets USP Distributive Studies (A) Cultural and Historical requirement. Prerequisite: CHIN 101 or equivalent. Non-majors admitted only after a placement interview.			
0201	MTuWThF 9:30am-10:50am	Bldg JMZ, Room 3207	Sun, Y
Continued study of grammatical patterns and vocabulary buildup with particular emphasis on conversation. May be taken in conjunction with CHIN 103.			

CHIN continued

CHIN 103	Elementary Written Chinese 3 credits, Grading Method REG-P-F/AUD Meets USP Distributive Studies (A) Cultural and Historical requirement. Prerequisite: CHIN 101 or equivalent. Non-majors admitted only after a placement interview		
0201	MTuWThF 11 00am-12 20pm Bldg JMZ, Room 1123 Shen, H		
Continued study of grammatical patterns and buildup of vocabulary with particular emphasis on reading and writing. May be taken in conjunction with CHIN 102			

CHPH

CHEMICAL PHYSICS

(COMPUTER, MATHEMATICAL AND PHYSICAL SCIENCES)

CHPH 799	Master's Thesis Research 1-6 credits, Grading Method REG		
0101	Time Arranged Room Arranged	Staff	
CHPH 899	Doctoral Dissertation Research 3 credits, Grading Method REG		
0101	Time Arranged Room Arranged	Staff	
0201	Time Arranged Room Arranged	Staff	

CJUS

INSTITUTE OF CRIMINAL JUSTICE AND CRIMINOLOGY

(BEHAVIORAL AND SOCIAL SCIENCES)

CJUS 100	Introduction to Law Enforcement 3 credits, Grading Method REG-P-F/AUD Meets USP Distributive Studies (D) Social Behavioral Sciences requirement		
0101	MTuWThF 9 30am-10 50am Bldg LEF, Room 1208 Groskin, R		
0201	MTuWThF 11 00am-12 20pm Bldg TYD, Room 1102 Miller, S		
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.			
CJUS 230	Criminal Law in Action 3 credits, Grading Method REG-P-F/AUD		
0101	MTuWThF 9 30am-10 50am Bldg LEF, Room 1221 Russell, K		
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.			
CJUS 234	Law of Criminal Investigation 3 credits, Grading Method REG-P-F/AUD		
0201	Prerequisite: CJUS 230		
0201	MTuWThF 9 30am-10 50am Bldg LEF, Room 1221 Russell, K		
General principles and theories of criminal procedure. Due process. Arrest, search and seizure. Recent developments. Study and evaluation of evidence and proof.			
CJUS 300	Criminological and Criminal Justice Research Methods 3 credits, Grading Method REG		
0101	Prerequisite: CJUS 100, and CRIM 220; and one of the following: SOCY 201, PSYC 200, ECON 321, BMGT 230, EDM5 451, or GVPT 422		
0101	MTuWThF 9 30am-10 50am Bldg LEF, Room 2208 Brooks, L		
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.			
CJUS 320	Introduction to Criminalistics 3 credits, Grading Method REG-P-F/AUD		
0101	Prerequisite: CJUS 220;		
0101	MW 6 00pm-9 00pm Bldg LEF, Room 1208 Maurello, T		
0201	MW 6 00pm-9 00pm Bldg LEF, Room 0208 Maurello, T		
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.			
CJUS 340	Concepts of Law Enforcement Administration 3 credits, Grading Method REG		
0101	Prerequisite: CJUS 100 or equivalent		
0101	MTuWThF 11 00am-12 20pm Bldg LEF, Room 2208 Brooks, L		
An introduction to concepts of organization and management as they 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.			
CJUS 386	Field Work 1-3 credits, Grading Method REG		
0101	Permission of department required		
0201	Time Arranged Room Arranged	Staff	
CJUS 387	Field Work Analysis 1-3 credits, Grading Method REG		
0101	Permission of department required		
0201	Time Arranged Room Arranged	Staff	
CJUS 398	Law Enforcement Field Training 1-6 credits, Grading Method REG-P-F/AUD		
0101	Time Arranged Room Arranged	Staff	
0201	Time Arranged Room Arranged	Staff	
CJUS 399	Directed Independent Research 1-3 credits, Grading Method REG-P-F/AUD		
0101	Time Arranged Room Arranged	Staff	
0201	Time Arranged Room Arranged	Staff	
CJUS 699	Special Problems in Criminal Justice 1-3 credits, Grading Method REG/AUD		
0101	Time Arranged Room Arranged	Staff	
0201	Time Arranged Room Arranged	Staff	
CJUS 799	Master's Thesis Research 1-6 credits, Grading Method REG		
0101	Time Arranged Room Arranged	Staff	
0201	Time Arranged Room Arranged	Staff	

CLAS

CLASSICS

(ARTS AND HUMANITIES)

CLAS 170	Greek and Roman Mythology 3 credits, Grading Method REG-P-F/AUD Meets USP Distributive Studies (A) Cultural and Historical requirement		
0101	MTuWThF 9 30am-10 50am Bldg HBK, Room 0117 Clawsey, M		
0201	MTuWThF 9 30am-10 50am Bldg HBK, Room 0117 Sherwin, W		
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.			
CLAS 290	Greek and Latin Medical Terminology 3 credits, Grading Method REG-P-F/AUD		
0101	MTuWThF 9 30am-10 50am Bldg JMZ, Room 2207 Hubbe, R		
Basic medical vocabulary through the study of Greek and Latin roots, prefixes and suffixes. No previous knowledge of Greek or Latin required.			
CLAS 374	Greek Tragedy in Translation 3 credits, Grading Method REG-P-F/AUD Meets USP Advanced Studies Analysis of Human Problems requirement		
0101	MTuWThF 11 00am-12 20pm Bldg HBK, Room 1112 Clawsey, M		
Study and analysis of the tragedies of Aeschylus, Sophocles and Euripides, with special attention to the concepts of character and of thought as conceived by Aristotle in the Poetics.			

CLAS continued

CLAS 499	Independent Study in Classical Languages and Literatures 3 credits, Grading Method REG-P-F/AUD		
0101	Permission of department required		
0201	Time Arranged Room Arranged	Staff	
CLAS 688	Special Topics in Classical Civilization: Greek Tragedy and its Influence 3 credits, Grading Method REG/AUD		
0101	Time Arranged Room Arranged	Meltzer, G	
CLAS 799	Master's Thesis Research 1-6 credits, Grading Method REG-S-F		
0201	Permission of department required	Room Arranged	Staff

CMLT

COMPARATIVE LITERATURE (ARTS AND HUMANITIES)

CMLT 799	Master's Thesis Research 1-6 credits, Grading Method REG		
0101	Time Arranged Room Arranged	Staff	
0201	Time Arranged Room Arranged	Staff	
CMLT 899	Doctoral Dissertation Research 1-8 credits, Grading Method REG		
0101	Time Arranged Room Arranged	Staff	
0201	Time Arranged Room Arranged	Staff	

CMSC

COMPUTER SCIENCE (COMPUTER, MATHEMATICAL AND PHYSICAL SCIENCES)

CMSC 110	Introduction to Fortran Programming 4 credits, Grading Method REG-P-F/AUD Meets JUN 4 to JUL 27		
0101	MTuWThF 11 00am-12 20pm Bldg CSS, Room 2330 Williams, J		
0201	Tu 9 30am-10 50am Bldg CSS, Room 2352 (DIS)		
Construction of algorithms for the effective solution of computational problems. Conducted in FORTRAN. Intended for scientists, engineers, and business majors. Not applicable to the major requirements in computer science.			
CMSC 112	Computer Science I 4 credits, Grading Method REG-P-F/AUD		
0101	Meets JUN 4 to JUL 27		
0101	MTuWThF 9 30am-10 50am Bldg CLB, Room 0102 Herman, L		
0201	Tu 11 00am-12 20pm Bldg CLB, Room 0102 (DIS)		
With CMSC 113, this course forms a one-year sequence for computer science majors. Design and analysis of programs using structured programming and data abstraction. Formal syntax and semantics, and program verification. Conducted in Pascal.			
CMSC 150	Introduction to Discrete Structures 3 credits, Grading Method REG-P-F/AUD		
0101	Prerequisite: MATH 140 Formerly CMSC 250		
0101	MTuWThF 9 30am-9 20am Bldg CLB, Room 0104 Preston, D		
CMSC 311	Computer Organization 3 credits, Grading Method REG-P-F/AUD		
0201	Permission of department required Prerequisite: CMSC 113		
0201	MTuWThF 11 00am-12 20pm Bldg CLB, Room 0104 Preston, D		
Introduction to assembly language. Design of digital logic circuits. Organization of central processors, including instruction sets, microprogrammed control, control microprogramming, data representation, and arithmetic algorithms. Memory and input/output organization.			
CMSC 366	Field Work 1 credit, Grading Method REG		
0101	Permission of department required		
0201	Written permission of instructor must be obtained in advance on department form	Room Arranged	Staff
CMSC 387	Field Work Analysis 2 credits, Grading Method REG-P-F/AUD		
0101	Permission of department required		
0201	Written permission of instructor must be obtained in advance on department form	Room Arranged	Staff
CMSC 411	Computer Systems Architecture 3 credits, Grading Method REG-P-F/AUD		
0101	Permission of department required Prerequisite: CMSC 311 or equivalent		
0201	MTuWThF 9 30am-10 50am Bldg CLB, Room 0111 Staff		
Input/output processors and techniques. Intra-system communication buses, caches, addressing and memory hierarchies. Microprogramming, pipelining, and performance.			
CMSC 450	Elementary Logic and Algorithms 3 credits, Grading Method REG-P-F/AUD		
0101	Prerequisite: MATH 240 or CMSC 250 or CMSC 150. Also offered as MATH 444		
0102	Credit will be granted for only one of the following: MATH 444 or CMSC 450.		
0109	MTuWThF 9 30am-10 50am Bldg MTH, Room 0305 Staff		
0202	MTuWThF 9 30am-10 50am Bldg MTH, Room 0201 Staff		
0209	MTuWThF 9 30am-10 50am Bldg MTH, Room 1311 Staff		
An elementary development of propositional logic, predicate logic, with an introductory treatment of Turing machines, recursive functions, undecidable problems, and applications of logic in artificial intelligence.			
CMSC 460	Computational Methods 3 credits, Grading Method REG-P-F		
0101	Permission of department required Prerequisite: MATH 240 and MATH 241, and CMSC 110 or CMSC 113. Also offered as MAPL 460. Credit will be granted for only one of the following: CMSC MAPL 460 or CMSC MAPL 466		
0201	MTuWThF 8 00am-9 20am Bldg CLB, Room 0111 Staff		
Basic computational methods for interpolation, least squares, approximation, numerical quadrature, numeric solution of systems of polynomial and ordinary differential equations, systems of linear equations and initial value problems for ordinary differential equations. Emphasis is on methods and their computational properties rather than their analytic aspects. Intended primarily for students in the physical and engineering sciences.			
CMSC 498A	Special Problems in Computer Science 1-3 credits, Grading Method REG-P-F		
0101	Permission of department required		
0201	Time Arranged Room Arranged	Staff	
CMSC 798A	Graduate Seminar in Computer Science 1-3 credits, Grading Method REG/AUD		
0101	Permission of department required		
0201	Time Arranged Room Arranged	Staff	
CMSC 799	Master's Thesis Research 1-6 credits, Grading Method REG		
0101	Permission of department required		
0201	Time Arranged Room Arranged	Staff	
CMSC 818A	Advanced Topics in Computer Systems 1-3 credits, Grading Method REG/AUD		
0101	Permission of department required		
0201	Time Arranged Room Arranged	Staff	
CMSC 828A	Advanced Topics in Information Processing 1-3 credits, Grading Method REG/AUD		
0101	Permission of department required		
0201	Time Arranged Room Arranged	Staff	

CMSC continued

CMSC 838A Advanced Topics in Programming Languages 1-3 credits. Grading Method: REG/AUD			
Permission of department required			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
CMSC 858A Advanced Topics in Theory of Computing 1-3 credits. Grading Method: REG/AUD			
Permission of department required			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
CMSC 878A Advanced Topics in Numerical Methods 1-3 credits. Grading Method: REG/AUD			
Permission of department required			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
CMSC 899 Doctoral Dissertation Research 1-8 credits. Grading Method: REG			
Permission of department required			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

CNEC**CONSUMER ECONOMICS
(HUMAN ECOLOGY)**

CNEC 100 Introduction to Consumer Economics 3 credits. Grading Method: REG/P-F/AUD			
Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement			
0101	TuTh 7:00pm-10:00pm	Bldg LEF, Room 1208	Hacklander, E
0201	TuTh 7:00pm-10:00pm	Bldg MMH, Room 1108	Turner, P
The role of the consumer in modern society. Topics include the consumer in the market, the impact of market failures on the quality of life and the impact of government and business decisions on consumer welfare.			
CNEC 310 Consumer Economics and Public Policy 3 credits. Grading Method: REG/P-F/AUD			
Meets USP Advanced Studies Analysis of Human Problems requirement. Prerequisites: ECON 201, and ECON 203			
0201	MW 7:00pm-10:00pm	Bldg MMH, Room 1304	Soberon-Ferrer, H
The application of economic theory, including benefit-cost analysis, to an evaluation of policy decisions in the private and public sectors which affect the consumer. The economic, social, and political framework within which policy decisions are made			
CNEC 388 Field Work and Analysis in Consumer Economics 3 credits. Grading Method: S-F			
Permission of department required. Majors only			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
Formerly CNEC 396			
CNEC 410 Consumer Finance 3 credits. Grading Method: REG/P-F/AUD			
Meets USP Advanced Studies Analysis of Human Problems requirement. Prerequisites: ECON 201, and ECON 203. Not open to students who have completed FMCD 441.			
0101	TuTh 7:00pm-10:00pm	Bldg MMH, Room 0108	Soberon-Ferrer, H
0201	TuTh 7:00pm-10:00pm	Bldg MMH, Room 3418	Soberon-Ferrer, H
An economic approach to the problems of income allocation and consumer financial planning, including income maximization, principles of asset choice, financial management and risk management. The effects of fiscal and monetary policies on lifetime economic planning.			
CNEC 431 The Consumer and the Law 3 credits. Grading Method: REG/P-F/AUD			
Meets USP Advanced Studies Analysis of Human Problems requirement			
0101	MW 7:00pm-10:00pm	Bldg MMH, Room 1400	Ensor, B
0201	MW 7:00pm-10:00pm	Bldg MMH, Room 1400	Jakitsch, R
A study of legislation affecting consumer products and services. Topics covered include product safety and liability, packaging and labeling, deceptive advertising, and consumer credit. The implications of such legislation for consumer welfare with particular emphasis on the disadvantaged groups in our society will be examined.			
CNEC 435 Economics of Consumption 3 credits. Grading Method: REG/P-F/AUD			
Meets USP Advanced Studies Analysis of Human Problems requirement. Prerequisites: [ECON 201, and ECON 203] or [ECON 205 for non-majors]. In regular academic year, this course will be offered in the spring semester only.			
0101	MW 7:00pm-10:00pm	Bldg MMH, Room 3418	Verma, S
The application of economic theory to a study of consumer decision-making and its role in a market economy at both the individual and aggregate levels. Topics covered include empirical studies of consumer spending and saving; the consumer in the market and collective consumption.			
CNEC 437 Consumer Behavior 3 credits. Grading Method: REG/P-F/AUD			
Meets USP Advanced Studies Analysis of Human Problems requirement. Prerequisites: PSYC 100, and SOCY 100			
0101	TuTh 7:00pm-10:00pm	Bldg LEF, Room 1222	Etenson, R
0201	TuTh 7:00pm-10:00pm	Bldg MMH, Room 1304	Etenson, R
An application of the behavioral sciences to a study of consumer behavior. Current theories, models and empirical research findings are explored.			
CNEC 498 Special Studies 2-4 credits. Grading Method: REG/P-F/AUD			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

COOP**COOPERATIVE EDUCATION PROGRAM
(UNDERGRADUATE STUDIES)**

COOP 098 Co-Op Work Experience I No credit; Grading Method: S-F			
Permission of Co-op Coordinator required. Obtain signature and more information at Experiential Learning Programs, 0119 Hornbake Library. For special fees, see the financial information section of the Schedule of Classes.			
0101	Time Arranged	Room Arranged	Martin, T

CRIM**CRIMINOLOGY
(BEHAVIORAL AND SOCIAL SCIENCES)**

CRIM 220 Criminology 3 credits. Grading Method: REG/P-F/AUD			
Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement			
0101	MTuWThF 2:00pm-3:20pm	Bldg LEF, Room 1208	Siman, B
0201	MTuWThF 2:00pm-3:20pm	Bldg LEF, Room 1220	Katznelson, S
Criminal behavior: the methods of its study, causation, typologies of criminal acts and offenders; punishment, correction and incapacitation; prevention of crime			
CRIM 359 Field Training in Criminology and Corrections 1-6 credits. Grading Method: REG/P-F/AUD			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
CRIM 386 Field Work 1-3 credits. Grading Method: REG/P-F/AUD			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

CRIM continued

CRIM 387 Field Work Analysis 1-3 credits. Grading Method: REG/P-F/AUD			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
CRIM 399 Independent Study in Criminology 1-3 credits. Grading Method: REG/P-F/AUD			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
CRIM 450 Juvenile Delinquency 3 credits. Grading Method: REG/P-F/AUD			
Prerequisite: CRIM 220			
0101	MTuWThF 12:30pm-1:50pm	Bldg LEF, Room 1208	Paternoster, R
0201	MTuWThF 3:30pm-4:50pm	Bldg TYD, Room 1101	Katznelson, S
Juvenile delinquency in relation to the general problem of crime: analysis of factors underlying juvenile delinquency, treatment and prevention.			
CRIM 699 Special Criminological Problems 1-3 credits. Grading Method: REG/AUD			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
CRIM 799 Master's Thesis Research 1-6 credits. Grading Method: REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
CRIM 899 Doctoral Dissertation Research 1-8 credits. Grading Method: REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

ECON**ECONOMICS
(BEHAVIORAL AND SOCIAL SCIENCES)**

ECON 201 Principles of Economics 3 credits. Grading Method: REG/P-F/AUD			
Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement. Credit will be granted for only one of the following: ECON 201 or ECON 205.			
0101	MTuWThF 8:00am-9:20am	Bldg TYD, Room 0101	Staff
0102	MTuWThF 9:30am-10:50am	Bldg TYD, Room 0101	Staff
0103	MTuWThF 9:30am-10:50am	Bldg TYD, Room 0101	Staff
0104	MW 7:00pm-10:00pm	Bldg TYD, Room 1114	Staff
0105	TuTh 7:00pm-10:00pm	Bldg TYD, Room 1114	Staff
0201	MTuWThF 8:00am-9:20am	Bldg TYD, Room 0101	Staff
0202	MTuWThF 9:30am-10:50am	Bldg TYD, Room 1108	Staff
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.			
ECON 203 Principles of Economics II 3 credits. Grading Method: REG/P-F/AUD			
Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement. Recommended: ECON 201			
0101	TuTh 7:00pm-10:00pm	Bldg TYD, Room 1128	Staff
0102	MTuWThF 9:30am-10:50am	Bldg TYD, Room 1128	Staff
0103	MTuWThF 9:30am-10:50am	Bldg TYD, Room 1101	Staff
0202	MTuWThF 9:30am-10:50am	Bldg ARC, Room 1103	Staff
This course emphasizes the behavior of individual consumers and business firms, problems of international trade and finance, the distribution of resources, policies for eliminating poverty and discrimination, the problems of environmental pollution, and the impact of different market structures upon economic activity.			
ECON 205 Fundamentals of Economics 3 credits. Grading Method: REG/P-F/AUD			
Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement. Students in the College of Business and Administration are required to take ECON 201 and should not take ECON 205. Not open to students who have completed ECON 201. Credit will be granted for only one of the following: ECON 201 or ECON 205.			
0101	MTuWThF 8:00am-9:20am	Bldg TYD, Room 1114	Staff
0202	MTuWThF 9:30am-10:50am	Bldg TYD, Room 1114	Staff
A one-semester introduction, for non-majors, to the principles of economics and their applications to the leading economic problems of society, including inflation, unemployment, poverty, urban renewal, income inequality, monopoly and market performance, environmental protection, and international trade.			
ECON 301 Current Issues in American Economic Policy 3 credits. Grading Method: REG/P-F/AUD			
Prerequisites: ECON 201, and [ECON 203 or ECON 205]			
0101	MW 7:00pm-10:00pm	Bldg TYD, Room 2105	Staff
Analysis of current economic problems and national policies: inflation, unemployment, market power, government regulation, poverty and distribution of income, federal budget and tax policy, environment.			
ECON 305 Intermediate Macroeconomic Theory and Policy 3 credits. Grading Method: REG/P-F/AUD			
Prerequisites: ECON 201, and ECON 203; and MATH 220. Credit will be granted for only one of the following: ECON 305 or ECON 405. Formerly ECON 401. Previously ECON 401.			
0101	MTuWThF 9:30am-10:50am	Bldg TYD, Room 1140	Staff
0102	MTuWThF 8:00am-9:20am	Bldg TYD, Room 1101	Staff
0201	TuTh 7:00pm-10:00pm	Bldg TYD, Room 2106	Staff
0202	MTuWThF 9:30am-10:50am	Bldg TYD, Room 0102	Staff
Analysis of the determination of national income, employment, and price levels. Discussion of consumption, investment, government, and government fiscal and monetary policy.			
ECON 306 Intermediate Microeconomic Theory 3 credits. Grading Method: REG/P-F/AUD			
Prerequisites: ECON 201, and ECON 203, and MATH 220. Formerly ECON 403.			
0101	MTuWThF 11:00am-12:20pm	Bldg TYD, Room 1118	McGuire, M
0201	MW 7:00pm-10:00pm	Bldg TYD, Room 2111	Staff
0202	MTuWThF 11:00am-12:20pm	Bldg TYD, Room 1114	Staff
Analysis of the theories of consumer behavior and of the firm, market systems, distribution theory and the role of externalities.			
ECON 310 Evolution of Modern Capitalism in Western Europe and the United States 6 credits. Grading Method: REG/P-F/AUD			
Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement.			
0101	MTuWThF 9:30am-10:50am	Bldg TYD, Room 2111	Adams, J
The evolution of the capitalist system from its medieval origins to the present. Emphasis on dynamic forces of cumulative change in capitalism, including capital accumulation, technology, expansion of markets, the corporate form of private property in the means of production, and the relation of capitalism to war and revolution.			
ECON 311 American Economic Development 3 credits. Grading Method: REG/P-F/AUD			
Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement. Prerequisites: ECON 201, and [ECON 203 or ECON 205]			
0101	MTuWThF 11:00am-12:20pm	Bldg TYD, Room 1128	Wallis, J
An analysis of the major issues in the growth and development of the American economy. Basic economic theory related to such topics as agriculture, banking, industrialization, slavery, transportation, and the depression of the 1930s.			
ECON 321 Economic Statistics 3 credits. Grading Method: REG/P-F/AUD			
Prerequisite: MATH 220 or equivalent. Not open to students who have completed BMGT 230 or BMGT 231. Formerly ECON 421.			
0101	MTuWThF 8:00am-9:20am	Bldg TYD, Room 1118	Pruha, I
Introduction to the methods of statistics. Topics include: Probability, random variables and their distributions, sampling theory, estimation, hypothesis testing, analysis of variance, regression analysis and correlation.			

ECON continued

ECON 361 Economics of American Industries 3 credits Grading Method REG P F AU				
Prerequisites: ECON 201, and (ECON 203 or ECON 205)				
0101	MTuWThF 9:30am-10:50am	Big	TVD Room 2115	Staff
A survey of industrial organization theory. Analysis of the structure-conduct-performance and public policies in selected American industries.				
ECON 399 Individual Reading and Research For Undergraduates 3 credits Grading Method REG P F AU				
Permission of department required. Prerequisite: 6 hours of upper-division economics courses				
0101	Time Arranged	Room Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Room Arranged	Staff
ECON 430 Money and Banking 3 credits Grading Method REG P F AU				
Prerequisites: ECON 201 and ECON 203. Credit will be granted for only one of the following: ECON 430 or ECON 431.				
0101	MTuWThF 11:00am-12:20pm	Big	TVD Room 1114	Meyer P
0102	MTuWThF 9:30am-10:50am	Big	TVD Room 1114	Anderson J
0201	MTuWThF 9:30am-10:50am	Big	TVD Room 1102	Anderson J
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 real world.				
ECON 440 International Economics 3 credits Grading Method REG P F AU				
Prerequisites: ECON 201 and ECON 203. Credit will be granted for only one of the following: ECON 440 or ECON 441.				
0101	MTuWThF 9:30am-9:20am	Big	TVD Room 1102	McGuire, M
0201	MTuWThF 11:00am-12:20pm	Big	TVD Room 2106	Staff
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 economic consequences.				
ECON 698 Selected Topics in Economics 3 credits Grading Method REG				
Permission of department required.				
0101	Time Arranged	Room Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Room Arranged	Staff
ECON 799 Master's Thesis Research 1-6 credits Grading Method REG				
0101	Time Arranged	Room Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Room Arranged	Staff
ECON 899 Doctoral Dissertation Research 1-8 credits Grading Method REG				
0101	Time Arranged	Room Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Room Arranged	Staff

EDCI

CURRICULUM AND INSTRUCTION (EDUCATION)

EDCI 301 Teaching Art in the Elementary School 3 credits Grading Method REG P F AU				
For elementary, education and pre-elementary education majors only				
0101	Meets JUN 25 to JUL 13			
	MTuWThF 9:00am-12:00pm	Big	EDU Room 1315	McWhinnie H
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.				
EDCI 390 Principles and Methods of Secondary Education 3 credits Grading Method REG P F AU				
Pre- or corequisite: EDHD 300 or permission of department				
	Meets JUN 25 to JUL 13			
0101	MTuWThF 9:30am-12:00pm	Big	EDU Room 1107	Bingham B
	Meets JUL 16 to AUG 3			
0201	MTuWThF 9:00am-12:00pm	Big	EDU Room 1121	Markham P
Labs will be held on selected days from 1-4. Principles and methods of teaching in junior and senior high schools. Instructional problems common to all of the subject fields, articulated in relation to the needs and interests of youth, social problems and the central values of society.				
EDCI 397 Principles and Methods of Teaching in Elementary Schools 3 credits Grading Method REG P F AU				
Prerequisite: EDCI 250. Pre- or corequisite: EDHD 300				
0101	MW 4:00pm-7:00pm	Big	EDU Room 2102	Jantz R
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.				
EDCI 423 Social Studies in Early Childhood Education 3 credits Grading Method REG P F AU				
0101	Meets JUN 25 to JUL 13			
	MTuWThF 9:00am-12:00pm	Big	EDU Room 2119	Weaver V
Curriculum, organization and methods of teaching; evaluation of materials and utilization of environmental resources. Emphasis on multicultural education. Primarily for in-service teachers nursery school through grade 3.				
EDCI 424 Social Studies in the Elementary School 3 credits Grading Method REG P F AU				
0101	Meets JUN 25 to JUL 13			
	MTuWThF 9:00am-12:00pm	Big	EDU Room 2119	Weaver V
Curriculum, organization and methods of teaching; evaluation of materials and utilization of environmental resources. Emphasis on multicultural education. Primarily for in-service teachers, grades 1-6.				
EDCI 426 Methods of Teaching Social Studies in Secondary Schools 3 credits Grading Method REG P F AU				
Prerequisites: EDHD 300 and EDCI 390				
0101	MW 4:00pm-7:00pm	Big	LEF Room 1222	Cirrone, J
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.				
EDCI 436 Teaching for Multicultural Understanding 3 credits Grading Method REG P F AU				
Prerequisite: permission of department				
0101	TuTh 4:00pm-7:00pm	Big	EDU Room 0206	DeLorenzo W
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 a basis for creating teaching materials.				
EDCI 443 Literature for Children and Youth 3 credits Grading Method REG P F AU				
For elementary, education and pre-elementary education majors only				
0101	Meets JUN 25 to JUL 13			
	MTuWThF 4:00pm-7:00pm	Big	EDU Room 2212	Heidelbach R
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.				
EDCI 455 Methods of Teaching Mathematics in Secondary Schools 3 credits Grading Method REG P F AU				
Prerequisites: EDHD 300, and EDCI 390 and 2 semesters of calculus				
0101	TuTh 4:00pm-7:00pm	Big	EDU Room 2121	Staff
Objective selection of instructional materials, measurement and topics pertinent to mathematics education. Includes emphasis on multicultural education.				

EDCI continued

EDCI 461 Reading in Early Childhood Education 3 credits Grading Method REG P F AU				
0201	Meets JUL 16 to AUG 3			
	MTuWThF 1:00pm-4:00pm	Big	EDU Room 2119	Sarracho O
Fundamentals of developmental reading instruction, including reading readiness, use of experience stories, procedures in using basal readers, the improvement of comprehension, word analysis, and procedures for determining individual needs. Primarily for in-service teachers nursery school through grade 3.				
EDCI 462 Reading in the Elementary School 3 credits Grading Method REG P F AU				
0201	Meets JUL 16 to AUG 3			
	MTuWThF 1:00pm-4:00pm	Big	EDU Room 2119	Sarracho O
Fundamentals of developmental reading instruction, including reading readiness, use of experience stories, procedures in using basal readers, the improvement of comprehension, word analysis, and procedures for determining individual needs. Primarily for in-service teachers grades 1-5.				
EDCI 463 The Teaching of Reading in the Secondary School 3 credits Grading Method REG P F AU				
0101	TuTh 4:00pm-7:00pm	Big	EDU Room 0212	Dreher J
The fundamentals of secondary reading instruction, including emphasis on content reading in structure.				
EDCI 466 Literature for Adolescents 3 credits Grading Method REG P F AU				
0201	MW 9:00am-12:00pm	Big	EDU Room 3233	Williams H
Reading and analysis of fiction and nonfiction methods for critically assessing quality and appraisal, current theory and methods of instruction, reaction response to literature, curriculum design and selection of texts.				
EDCI 472 Methods of Teaching Science in Secondary Schools 3 credits Grading Method REG AU				
Prerequisites: EDHD 300 and EDCI 390 and permission of department				
0201	Meets JUL 16 to AUG 3			
	MTuWThF 8:00am-12:00pm	Big	EDU Room 2212	Holiday W
Methods for classroom and laboratory instruction, determining appropriate teaching methods, selecting instructional materials, evaluating student achievement. Includes lab and field experience. For in-service teachers.				
EDCI 473 Environmental Education 3 credits Grading Method REG P F AU				
0201	MW 1:00pm-4:00pm	Big	EDU Room 0202	Messersmith, D
An interdisciplinary course covering the literature, techniques and strategies of environmental education.				
EDCI 487 Introduction to Computers in Instructional Settings 3 credits Grading Method REG P F AU				
Prerequisite: six hours of education or permission of department				
0101	TuTh 4:00pm-7:00pm	Big	EDU Room 0114	Lockard J
A first-level survey of instructional uses of computers, software, and related technology especially for in-service teachers.				
EDCI 488 Selected Topics in Teacher Education: Special Topics: Principles and Methods of Teaching in Elementary Schools 3 credits Grading Method REG P F AU				
0101	MW 4:00pm-7:00pm	Big	EDU Room 2102	Jantz R
EDCI 488N Selected Topics in Teacher Education: Integrated Language Arts in Elementary School Classrooms 3 credits Grading Method REG P F AU				
0101	Meets JUN 25 to JUL 13			
	MTuWThF 9:00am-12:00pm	Big	EDU Room 2101	O'Flahaven J
EDCI 488S Selected Topics in Teacher Education: New Directions in Reading and Writing Assessment 3 credits Grading Method REG P F AU				
0101	MTuWThF 1:00pm-4:00pm	Big	EDU Room 2101	Dreher J
EDCI 489 Field Experiences in Education 1-4 credits Grading Method REG P F AU				
0101	Time Arranged	Room Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Room Arranged	Staff
EDCI 498 Special Problems in Teacher Education 1-6 credits Grading Method REG P F AU				
0101	Time Arranged	Room Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Room Arranged	Staff
EDCI 640 Trends in Secondary School Curriculum: English 3 credits Grading Method REG AU				
0101	TuTh 7:00pm-10:00pm	Big	EDU Room 1121	Slater, W
Recent developments in educational thinking and practice on the curriculum in English education.				
EDCI 653 Diagnosis and Treatment of Learning Disabilities in Mathematics I 3 credits Grading Method REG AU				
Prerequisite: EDCI 352 or permission of department				
0101	Time Arranged	Room Arranged	Room Arranged	Staff
Diagnosis and treatment of disabilities in mathematics. Theoretical models, specific diagnostic and instructional techniques and materials for working with children in both clinical and classroom settings. Clinic hours to be arranged.				
EDCI 660 Corrective Reading Instruction 3 credits Grading Method REG AU				
Prerequisite: EDCI 352 or EDCI 463 or equivalent				
0101	Meets JUN 25 to JUL 13			
	MTuWThF 9:00am-12:00pm	Big	EDU Room 0114	Gamprell, L
Diagnostic techniques, instructional materials and teaching procedures useful in the regular classroom, appropriate for teachers, students, and administrators.				
EDCI 671 Teaching Science in Elementary Schools 3 credits Grading Method REG AU				
0101	TuTh 4:00pm-7:00pm	Big	EDU Room 2101	Dierking L
Identification of problems in teaching science. Methods for improving the effectiveness of science education.				
EDCI 680 Trends in Secondary School Curriculum 3 credits Grading Method REG AU				
For Masters Certification students only				
0101	TuTh 9:00am-12:00pm	Big	EDU Room 1121	Rodenick J
Recent developments in educational thinking and practice on the curriculum.				
EDCI 681 Trends in Elementary School Curriculum 3 credits Grading Method REG AU				
For Masters Certification students only				
0101	TuTh 9:00am-12:00pm	Big	EDU Room 1121	Rodenick J
Recent developments in educational thinking and practice which have affected the curriculum in elementary education.				
EDCI 690 Teaching as a Profession 3 credits Grading Method REG				
Prerequisite: permission of department				
0201	F 9:00am-12:00pm	Big	EDU Room 3233	Arends, R
	F 1:00pm-4:00pm	Big	EDU Room 3233	Arends, R
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.				
EDCI 691 Models of Teaching: Theories and Applications 3 credits Grading Method REG				
Prerequisite: permission of department. For Masters Certification students only				
0201	TuTh 9:00am-12:00pm	Big	EDU Room 2102	McCaleb J
Theory and research on teaching as applied to models of instruction. Practice in developing an initial repertoire of teaching models, and in providing thoughtful critique of teaching based on these models.				
EDCI 761 Advanced Clinical Practices in Reading Diagnosis 3 credits Grading Method REG AU				
Prerequisite: EDCI 665. Corequisite: EDCI 762				
0201	MTuWThF 9:00am-12:00pm	Big	EDU Room 1315	Davey H
Diagnosis work with children in clinic and school situations. Case report writing and conferences.				

EDCI continued

EDCI 762 Advanced Clinical Practices in Reading Instruction 3 credits, Grading Method: REG/AUD				
Prerequisite: EDCI 665 Corequisite: EDCI 761				
0201	MTuWThF 10:00m-4:00pm	Bldg. EDU, Room 1315	Davey, H	
Remedial instruction with children in clinic and school situations. Remedial techniques, diagnostic teaching and evaluation				
EDCI 788G Selected Topics in Teacher Education: Proseminar: Perspectives on Teaching 3 credits, Grading Method: REG/AUD				
Permission of department required				
0101	Time Arranged	Room Arranged	Borko, H	
This course provides an opportunity for students to synthesize and integrate knowledge and skills learned in all components of the Maryland Masters Certification Program. Particular emphasis is placed on the integration of theoretical, empirical and practical knowledge of teaching and learning				
EDCI 798 Special Problems in Teacher Education 1-6 credits, Grading Method: REG/AUD				
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
EDCI 799 Master's Thesis Research 1-6 credits, Grading Method: REG				
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
EDCI 888 Apprenticeship in Education 1-8 credits, Grading Method: REG/AUD				
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
EDCI 899 Doctoral Dissertation Research 1-8 credits, Grading Method: REG				
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	

EDCP EDUCATION COUNSELING AND PERSONNEL SERVICES (EDUCATION)

EDCP 386 Field Work 1-3 credits, Grading Method: REG/P-F/AUD				
Permission of department required				
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
EDCP 387 Field Work Analysis 1-3 credits, Grading Method: REG/P-F/AUD				
Permission of department required				
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
EDCP 410 Introduction to Counseling and Personnel Services 3 credits, Grading Method: REG/P-F/AUD				
0101	TuTh 4:00pm-7:00pm	Bldg. EDU, Room 1315	Strem, W	
Overview of counselor functions and skills that lead to effective helping				
EDCP 411 Principles of Mental Health 3 credits, Grading Method: REG/AUD				
0101	MW 7:00pm-10:00pm	Bldg. EDU, Room 2101	Lawrence, R	
The practical application of the principles of mental hygiene to classroom problems				
EDCP 417 Group Dynamics and Leadership 3 credits, Grading Method: REG/AUD				
Prerequisite: permission of department				
0101	TuTh 7:00pm-10:00pm	Bldg. EDU, Room 3233	Lawrence, R	
The nature and properties of groups, interaction, analysis, developmental phases, leadership dynamics and styles, roles of members and interpersonal communications. Laboratory involves experimental based learning				
EDCP 489 Field Experiences in Counseling and Personnel Services 1-4 credits, Grading Method: REG/P-F/AUD				
Permission of department required				
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
EDCP 498 Special Problems in Counseling and Personnel Services 1-3 credits, Grading Method: REG				
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
EDCP 611 Career Development Theory and Programs 3 credits, Grading Method: REG/AUD				
0101	MW 4:00pm-7:00pm	Bldg. EDU, Room 3236	Power, P	
Research and theory related to career and educational decisions; programs of related information and other activities in career education				
EDCP 617 Group Counseling 3 credits, Grading Method: REG/AUD				
Prerequisite: EDCP 616				
0101	TuTh 4:00pm-7:00pm	Bldg. EDU, Room 3233	Fassinger, R	
A survey of theory, research and practical 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				
EDCP 789T Advanced Topics in Counseling and Personnel Services: Seminar on Projective Personality Testing 3 credits, Grading Method: REG/AUD				
0101	TuTh 4:00pm-7:00pm	Bldg. EDU, Room 1203	Teglas-Golubco, H	
EDCP 798 Special Problems in Counseling and Personnel Services 1-6 credits, Grading Method: REG/AUD				
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
EDCP 799 Master's Thesis Research 1-6 credits, Grading Method: REG				
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
EDCP 888 Apprenticeship in Counseling and Personnel Services 1-8 credits, Grading Method: REG/AUD				
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
EDCP 888U Apprenticeship in Counseling and Personnel Services 3 credits, Grading Method: REG				
Prerequisite: EDCP 771				
0101	Time Arranged	Room Arranged	Staff	
EDCP 889 Internship in Counseling and Personnel Services 3-8 credits, Grading Method: REG/AUD				
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
EDCP 899 Doctoral Dissertation Research 1-8 credits, Grading Method: REG				
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	

EDHD EDUCATION, HUMAN DEVELOPMENT (EDUCATION)

EDHD 300 Human Development and Learning 6 credits, Grading Method: REG/P-F/AUD				
0101	MW 9:30am-12:30pm	Bldg. EDU, Room 3315	Hunt, E	
0201	MTuWThF 9:30am-12:30pm	Bldg. EDU, Room 3315	Gardner, A	
Open only to students admitted to teacher education programs. 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. (Separate sections for early childhood, elementary, and secondary teacher candidates.)				
EDHD 306 Study of Human Behavior 3 credits, Grading Method: REG/AUD				
Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement.				
0201	MW 4:00pm-7:00pm	Bldg. EDU, Room 3233	Staff	
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				
EDHD 320 Human Development Through the Lifespan 3 credits, Grading Method: REG/P-F/AUD				
0101	MW 4:00pm-7:00pm	Bldg. EDU, Room 2101	Green, H	
Central concepts related to parameters of human development, individual and social, which arise throughout the various stages of the life-span. Continuity and change within the developing individual.				
EDHD 330 Human Development and Societal Institutions 3 credits, Grading Method: REG/AUD				
Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement.				
0101	MW 4:00pm-7:00pm	Bldg. EDU, Room 1315	Flatter, C	
Development of the individual in the context of relationships with formal and informal institutions of society. An examination of various aspects of development, from the broad perspective of the social sciences.				
EDHD 350 Human Development Factors in Personal Development 3 credits, Grading Method: REG/P-F/AUD				
0201	TuTh 4:00pm-7:00pm	Bldg. EDU, Room 2102	Staff	
Personality dynamics including self-study and group experiences which contribute to individual development and insight. Emphasis on factors which enhance optimal personal growth.				
EDHD 411 Child Growth and Development 3 credits, Grading Method: REG/P-F/AUD				
0101	TuTh 4:00pm-7:00pm	Bldg. EDU, Room 2102	Tyler, B	
Theoretical approaches to, and empirical studies of, physical, psychological and social development from conception to puberty. Implications for home, school and community.				
EDHD 413 Adolescent Development 3 credits, Grading Method: REG/P-F/AUD				
Meets USP Advanced Studies Analysis of Human Problems requirement				
0101	TuTh 4:00pm-7:00pm	Bldg. EDU, Room 3236	Green, H	
0201	TuTh 4:00pm-7:00pm	Bldg. EDU, Room 3315	Robertson-Tchabo, E	
Adolescent development, including special problems encountered in contemporary culture. Observational component and individual case study. Does not satisfy requirement for professional teacher education program.				
EDHD 445 Guidance of Young Children 3 credits, Grading Method: REG/P-F/AUD				
Meets USP Advanced Studies Analysis of Human Problems requirement. Prerequisite: PSYC 100 or EDHD 306 or permission of department.				
0101	MW 10:00am-4:00pm	Bldg. EDU, Room 1107	Marcus, R	
0102	TuTh 4:00pm-7:00pm	Bldg. EDU, Room 1221	Marcus, R	
0201	MW 4:00pm-7:00pm	Bldg. EDU, Room 2101	Staff	
Practical aspects for helping and working with children, drawing on research, clinical studies, and observation. Implications for day care and other public issues.				
EDHD 460 Educational Psychology 3 credits, Grading Method: REG/P-F/AUD				
Prerequisite: PSYC 100 or EDHD 306 or permission of department.				
0101	TuTh 7:00pm-10:00pm	Bldg. EDU, Room 2101	Byrnes, J	
0201	MW 7:00pm-10:00pm	Bldg. EDU, Room 0114	Staff	
Application of psychology to learning processes and theories. Individual differences, measurement, motivation, emotions, intelligence, attitudes, problem-solving, thinking and communication in educational settings. (May not be substituted for EDHD 300 by students in professional teacher education programs.)				
EDHD 498 Special Problems in Education 1-3 credits, Grading Method: REG/P-F/AUD				
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
EDHD 600 Introduction to Human Development and Child Study 3 credits, Grading Method: REG/AUD				
0101	MW 7:00pm-10:00pm	Bldg. EDU, Room 1121	Tyler, B	
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.				
EDHD 692 Cognitive Basis of Instruction 3 credits, Grading Method: REG/AUD				
Permission of department required. Prerequisite: permission of department.				
0201	MW 9:00am-12:00pm	Bldg. EDU, Room 2101	Preasley, M	
For Master's certification program only. Psychological and educational research literature on human cognition, especially as applied to learning and teaching in classroom settings.				
EDHD 711 Peer- and Group Processes in Human Development 3 credits, Grading Method: REG/AUD				
Pre- or corequisite: EDHD 600 or equivalent				
0101	MW 7:00pm-10:00pm	Bldg. EDU, Room 2203	Flatter, C	
The process of group formation, role-taking and status-winning, and the emergence of the peer culture during childhood and the evolution of the child society at different maturity levels to adulthood. The developmental tasks and adjustment problems associated with winning, belonging, and playing roles in the peer group.				
EDHD 721 Learning Theory and the Educative Process I 3 credits, Grading Method: REG/AUD				
0101	TuTh 7:00pm-10:00pm	Bldg. EDU, Room 1107	Eliot, J	
0201	TuTh 7:00pm-10:00pm	Bldg. EDU, Room 3233	Robertson-Tchabo, E	
Major theories, issues and research in learning and cognitive development. Emphasis on the application of these theories to education and the helping professions.				
EDHD 789 Internship in Human Development 3-8 credits, Grading Method: REG/AUD				
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
EDHD 798 Special Problems in Education 1-6 credits, Grading Method: REG/AUD				
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
EDHD 799 Master's Thesis Research 1-6 credits, Grading Method: REG				
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
EDHD 888 Apprenticeship in Education 1-8 credits, Grading Method: REG/AUD				
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
EDHD 889 Internship in Education 3-8 credits, Grading Method: REG/AUD				
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
EDHD 899 Doctoral Dissertation Research 1-8 credits, Grading Method: REG				
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	

EDIT

INDUSTRIAL, TECHNOLOGICAL AND
OCCUPATIONAL EDUCATION
(EDUCATION)

EDIT 101	Mechanical Drawing I 2 credits <i>Grading Method: REG/AUD</i>			
0101	MW 5:00pm-10:00pm	Bigg JMP Room 2108	Staff	
	An introduction to orthographic multi-view and isometric projection. The visualization and making of a multi-view drawing. Auxiliary views-sectional views, dimensioning, conventional representation and single stroke letters.			
EDIT 102	Fundamentals of Woodworking 3 credits <i>Grading Method: REG/P.F/AUD</i>			
0201	MTuWThF 8:30am-12:00pm	Bigg JMP Room 1210	Staff	
	MTuWThF 8:30am-12:00pm	Bigg JMP Room 1210 LAB		
	An orientation into the developing industry, materials, products and processes; provides skill development in the care and use of hand and power tools.			
EDIT 114	Principles of Typewriting 2 credits <i>Grading Method: REG</i>			
0101	MTuWThF 9:30am-10:50am	Bigg JMP Room 2115	Peters R	
	The attainment of the ability to operate the typewriter and keyboard continuously with reason-able speed and accuracy on the "touch" system.			
EDIT 121	Mechanical Drawing II 2 credits <i>Grading Method: REG/AUD</i>			
0101	MW 5:00pm-10:00pm	Bigg JMP Room 2108	Staff	
	Prerequisite: EDIT 101 Working drawings, machine design pattern layouts, tracing and reproduction, details and assemblies.			
EDIT 160	Design Illustrating I 3 credits <i>Grading Method: REG/P.F/AUD</i>			
0101	MW 4:00pm-10:00pm	Bigg JMP Room 2229	Staff	
0201	MW 4:00pm-10:00pm	Bigg JMP Room 2108	Staff	
	Intended for advertising, interior, landscape design and horticulture majors. The use of instruments, equipment, and materials; lettering; line-drawing; geometry, construction, and projection theory. Pictorial representation, particularly isometric, oblique, one- and two-point perspective.			
EDIT 202	Machine Woodworking 3 credits <i>Grading Method: REG/P.F/AUD</i>			
0201	MTuWThF 8:30am-12:00pm	Bigg JMP Room 1210	Staff	
	MTuWThF 8:30am-12:00pm	Bigg JMP Room 1210 LAB		
	Prerequisite: EDIT 102 or equivalent The development of comprehensive knowledge of machine woodworking with emphasis on mass production practices, specialty cuts, laminating, maintenance, and consumer understanding.			
EDIT 224	Organized and Supervised Work Experiences I 3 credits <i>Grading Method: REG/P.F/AUD</i>			
	Prerequisite: permission of department. Students must meet with instructor during first week.			
0101	Time Arranged	Room Arranged	Sullivan D	
0102	Time Arranged	Room Arranged	Sullivan D	
0201	Time Arranged	Room Arranged	Elkins R	
	A work experience for students enrolled in the industrial technology program. Opportunities for first-hand experiences with business and industry. Students are responsible for obtaining their own employment, with the coordinator advising them about job opportunities with optimum learning value. The nature of the work experience desired is outlined at the outset of employment and then evaluations made by the student and the coordinator are based upon the planned experiences. The minimum time is 240 work hours. The work experience must be served through continuous employment in a single establishment.			
EDIT 232	Fundamentals of Automotive Technology 3 credits <i>Grading Method: REG/P.F/AUD</i>			
0201	MW 4:00pm-10:00pm	Bigg JMP Room 2123	Staff	
	MW 4:00pm-10:00pm	Bigg JMP Room 1229 LAB		
	Designed for non-industrial education majors interested in learning the theory and practical operation of the automobile. Mechanical, lubrication, cooling, fuel and electrical systems.			
EDIT 234	Graphic Communications 3 3 credits <i>Grading Method: REG/P.F/AUD</i>			
0101	MTuWThF 9:00am-12:00pm	Bigg JMP Room 2202	McLaughlin Jr C	
	MTuWThF 9:00am-12:00pm	Bigg JMP Room 2222 LAB		
	Graphic reproduction processes and related areas used to communicate. Offset, letterpress, screen, engraving, gravure, lithography, and electronic duplication and relevant history, safety, layout and design, composition, photo conversion, image carriers, image transfer, in-plant, binding, make-up.			
EDIT 324	Organized and Supervised Work Experiences II 3 credits <i>Grading Method: REG/P.F/AUD</i>			
	Prerequisite: permission of department.			
0201	Time Arranged	Room Arranged	Elkins R	
0202	Time Arranged	Room Arranged	Elkins R	
	A work experience for students enrolled in the industrial technology program. Continuation of EDIT 224.			
EDIT 350	Methods of Teaching: Trades and Industrial Education 3 credits <i>Grading Method: REG/P.F/AUD</i>			
0201	MTuWThF 9:00am-9:20am	Bigg JMP Room 2202	Schuma J	
	Intended for vocational and occupational teachers. The identification and analysis of factors essential to helping others learn, types of teaching situations and techniques, measuring results and grading; student progress in laboratories, and related technical subjects.			
EDIT 406	Word Processing 3 3 credits <i>Grading Method: REG/P.F/AUD</i>			
	For business education majors only or permission of department.			
0101	MW 4:00pm-7:00pm	Bigg JMP Room 3106	Marshall S	
	An introduction to the word processing field with emphasis on word processing theory and concepts including hand-on equipment training. Management of other personnel, procedures, and equipment; the incorporation of word processing into the school curriculum, the automated office of the future and career opportunities.			
EDIT 412	Management of Physical Facilities in Industrial Arts and Vocational Education 3 3 credits <i>Grading Method: REG/P.F/AUD</i>			
0101	TuTh 4:00pm-7:00pm	Bigg JMP Room 3201	Stough K	
	Principles, practices, and the physical facilities in vocational, technical, and industrial arts laboratories.			
EDIT 434	Color Reproduction in Graphic Communications 3 credits <i>Grading Method: REG/P.F/AUD</i>			
	Prerequisites: EDIT 234 and EDIT 334 or EDIT 335 or equivalent.			
0101	MTuWThF 9:00am-12:00pm	Bigg JMP Room 2202	McLaughlin Jr C	
	MTuWThF 9:00am-12:00pm	Bigg JMP Room 2222 LAB		
	An advanced course in the theory and processes of color graphics reproduction. Continuous tone color photography, flat color preparation, process color separations and the reproduction of a multi-color product on a semi-automatic or automatic printing press.			
EDIT 457	Tests and Measurements 3 3 credits <i>Grading Method: REG/P.F/AUD</i>			
0101	TuTh 7:00am-10:00pm	Bigg JMP Room 3201	Stough K	
	The construction of objective tests for occupational and vocational subjects. Use of measures in domains of learning and examination of test analysis techniques.			
EDIT 460	Design Illustrating II 2 credits <i>Grading Method: REG/P.F/AUD</i>			
	Prerequisite: EDIT 160			
0101	MW 5:00pm-10:00pm	Bigg JMP Room 2229	Staff	
	MW 5:00pm-10:00pm	Bigg JMP Room 2229 LAB		
0201	MW 5:00pm-10:00pm	Bigg JMP Room 2108	Staff	
	MW 5:00pm-10:00pm	Bigg JMP Room 2108 LAB		
	Advanced drawing, rendering, shadow construction, lettering techniques and advanced pictorial representation techniques.			

EDIT continued

EDIT 461	Principles of Vocational Guidance 3 credits <i>Grading Method: REG/P.F/AUD</i>			
0101	TuTh 4:00pm-7:00pm	Bigg JMP Room 3104	Metus W	
	The underlying principles of guidance and their application to the problems of educational and occupational adjustment of students of all ages.			
EDIT 462	Occupational Analysis and Course Construction 3 credits <i>Grading Method: REG/P.F/AUD</i>			
0201	MTuWThF 9:30am-10:50am	Bigg JMP Room 1202	Herschbach D	
0202	MTuWThF 12:30pm-2:00pm	Bigg JMP Room 1202	Herschbach D	
	Application of the techniques of occupational and job analysis concepts to instructional development and the design of instructional programs.			
EDIT 464	Laboratory Organization and Management 3 credits <i>Grading Method: REG/P.F/AUD</i>			
0201	MTuWThF 11:00am-12:20pm	Bigg JMP Room 2202	Beatty C	
	The basic elements of organizing and managing an industrial education program; the selection of equipment; facility development; legal responsibilities of laboratory instructors; inventory control; and safety.			
EDIT 471	History and Principles of Vocational Education 3 credits <i>Grading Method: REG/P.F/AUD</i>			
0101	MW 7:00am-10:00pm	Bigg JMP Room 1202	Staff	
	The development of vocational education from primitive times to the present with special emphasis given to the vocational education movement with the American program of public education.			
EDIT 474	Organization and Administration of Youth Groups 3 credits <i>Grading Method: REG/P.F/AUD</i>			
0101	Meets JUN 25 to JUL 13	Room Arranged	Metus W	
	Principles, practices, and theoretical considerations related to youth organizations as a curricular function of the subject areas of industrial arts, business and marketing education, home economics, health occupations and trades and industry.			
EDIT 476	Application of Technology to Societal Problems 3 credits <i>Grading Method: REG/P.F/AUD</i>			
	Meets USP Advanced Studies Analysis of Human Problems requirement.			
0101	TuTh 4:00pm-7:00pm	Bigg JMP Room 3105	Levy D	
0102	TuTh 7:00pm-10:00pm	Bigg JMP Room 3104	Levy D	
	A study of alternative solutions of a technological nature with respect to such areas as housing, transportation, energy, communications, production, trash and waste disposal, water development, and pollution control.			
EDIT 485	Field Experiences in Business Education 3 credits <i>Grading Method: REG</i>			
0101	Time Arranged	Room Arranged	Peters R	
EDIT 488A	Selected Topics in Education: Computer-Based Instructional Techniques for Vocational Teachers 3 credits <i>Grading Method: REG/P.F/AUD</i>			
0101	Time Arranged	Bigg JMP Room 3106	Boyce J	
EDIT 488P	Selected Topics in Education: Practical Reasoning in Home Economics 3 credits <i>Grading Method: REG/P.F/AUD</i>			
0101	Meets JUN 4 to JUN 22	Bigg JMP Room 2202	Hultgren F	
	TuTh 4:15pm-8:30pm			
EDIT 488O	Selected Topics in Education: Introduction to Life-Cycle Engineering 3 credits <i>Grading Method: REG/P.F/AUD</i>			
0201	TuTh 4:00pm-7:00pm	Room Arranged	Paskowitz S	
EDIT 492	Issues Encountered in Daily Living in the Home 3 credits <i>Grading Method: REG/P.F/AUD</i>			
	Meets USP Advanced Studies Analysis of Human Problems requirement. Junior standing.			
0101	TuTh 9:30am-12:30pm	Bigg JMP Room 3104	Stark S	
	Addresses issues such as differing values, orientations, communication styles and the integration of family living, work and parenting.			
EDIT 498	Special Problems in Education 1-6 credits <i>Grading Method: REG/P.F/AUD</i>			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
EDIT 499D	Workshops, Clinics, and Institutes: Professional Transition for Vocational Teachers 1-3 credits <i>Grading Method: REG/P.F/AUD</i>			
0201	Time Arranged	Room Arranged	Beatty C	
EDIT 499R	Workshops, Clinics, and Institutes: Work Experience, Trade Advancement 1-6 credits <i>Grading Method: REG/P.F/AUD</i>			
0201	Time Arranged	Room Arranged	Staff	
	Student must make prior arrangements with an advisor to participate in workshops that are formally arranged by corporations, businesses, others, and document their participation. One week, 20 hours participation along with a written implementation plan is needed per credit.			
EDIT 606	Curriculum Development in Business Education 3 credits <i>Grading Method: REG/AUD</i>			
0101	MW 4:00pm-7:00pm	Bigg JMP Room 2202	Peters R	
	Study of curriculum planning in business education. Emphasis on the philosophy and objectives of the business education program, and on curriculum research and organization of appropriate course content.			
EDIT 788A	Selected Topics in Education: Computer-based Instructional Techniques for Vocational Teachers 3 credits <i>Grading Method: REG/AUD</i>			
0101	Time Arranged	Bigg JMP Room 3106	Boyce J	
EDIT 788P	Selected Topics in Education: Practical Reasoning in Home Economics 3 credits <i>Grading Method: REG/AUD</i>			
0101	Meets JUN 4 to JUN 22	Bigg JMP Room 2202	Hultgren F	
	TuTh 4:15pm-8:30pm			
EDIT 798	Special Problems in Education 1-6 credits <i>Grading Method: REG/AUD</i>			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
EDIT 799	Master's Thesis Research 1-6 credits <i>Grading Method: REG</i>			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
EDIT 888	Apprenticeship in Education 1-8 credits <i>Grading Method: REG/AUD</i>			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
EDIT 889	Internship in Education 3-8 credits <i>Grading Method: REG/AUD</i>			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
EDIT 899	Doctoral Dissertation Research 1-8 credits <i>Grading Method: REG</i>			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	

EDMS MEASUREMENT, STATISTICS, AND EVALUATION (EDUCATION)

EDMS 451	Introduction to Educational Statistics 3 credits. Grading Method: REG/AUD		
	Meets USP Advanced Studies Development of Knowledge requirement. BMGT, PSYC, and EC&M majors and possibly others. A student whose program requires a different introductory applied statistics course may not use EDMS 451 to satisfy the USP Advanced Studies requirement.		
0101	MtUWThF 9 00am-9 20am	Bldg. EDU. Room 4233	DeAyala, R
0102	MtUWThF 9 30am-10 50am	Bldg. EDU. Room 1107	Schaller, W
0201	MtUWThF 9 30am-10 50am	Bldg. EDU. Room 4233	Macraeay, G
0202	MtUWThF 11 00am-12 20pm	Bldg. EDU. Room 0114	Staff
	Designed as a first course in statistics for students in education. Emphasis is upon educational applications of descriptive statistics, including measures of central tendency, variability and association. Also included are inferential statistics through one-way ANOVA.		
EDMS 645	Quantitative Research Methods 3 credits. Grading Method: REG/AUD		
0101	MtUWThF 5 00pm-6 40pm	Bldg. EDU. Room 4233	DeAyala, R
0201	MtUWThF 11 00am-12 20pm	Bldg. EDU. Room 4233	Macraeay, G
	Introduction to research design principles and the scientific method as applied to behavioral phenomena. Instrumental procedures, including the planning and construction of simple data collection instruments and their analysis, and assessment of the reliability and validity of such instruments. Statistical procedures appropriate to the analysis of data from simple research designs. Laboratory experiences in instrumentation and research design are emphasized.		
EDMS 646	Quantitative Research Methods II 3 credits. Grading Method: REG/AUD		
	Prerequisite: EDMS 645		
0101	MtUWThF 7 00pm-8 40pm	Bldg. EDU. Room 4233	Dayton, C
0201	MtUWThF 5 20pm-7 00pm	Bldg. EDU. Room 4233	Staff
	Special problems arising in the implementation of educational research designs. Instrumentation to measure attitude and collection of questionnaire data. Additional statistical procedures appropriate to the analysis of education research designs. Laboratory experiences in instrumentation and research design are emphasized.		
EDMS 651	Intermediate Statistics in Education 3 credits. Grading Method: REG/AUD		
0101	MtUWThF 5 00pm-6 40pm	Bldg. EDU. Room 1107	Dayton, C
0201	MtUWThF 11 00am-12 20pm	Bldg. EDU. Room 1107	Schaller, W
	Distributal theory, Chi-square analysis of contingency tables, analysis of variance, introduction to multiple correlation and regression.		
EDMS 798	Special Problems in Education 1-6 credits. Grading Method: REG/AUD		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
EDMS 799	Master's Thesis Research 1-6 credits. Grading Method: REG		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
EDMS 899	Doctoral Dissertation Research 1-8 credits. Grading Method: REG		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

EDPA EDUCATION POLICY, PLANNING AND ADMINISTRATION (EDUCATION)

EDPA 301	Foundations of Education 3 credits. Grading Method: REG/P,F,AUD		
0101	MW 7 00pm-10 00pm	Bldg. EDU. Room 2119	Noll, J
0102	TuTh 4 00pm-7 00pm	Bldg. EDU. Room 2119	Huden, D
0201	TuTh 7 00pm-10 00pm	Bldg. EDU. Room 2102	Male, G
0202	MW 4 00pm-7 00pm	Bldg. EDU. Room 1107	Agre, G
	Historical, social, cultural, and philosophical foundations of American education. Considers education as a profession, and the organizational structure, operation and function of modern school systems. Comparative education and contemporary issues are included.		
EDPA 400	The Future of the Human Community 3 credits. Grading Method: REG/P,F,AUD		
	Meets USP Advanced Studies Analysis of Human Problems requirement		
0101	TuTh 7 00pm-10 00pm	Bldg. EDU. Room 2102	Hopkins, R
0201	TuTh 4 00pm-7 00pm	Bldg. EDU. Room 2101	Splane, J
	Examination of the future of our social and cultural institutions for education and child rearing, social and family relationships, health and leisure, information exchange, and the provision of food, clothing, and shelter.		
EDPA 401	Educational Technology, Policy, and Social Change 3 credits. Grading Method: REG/AUD		
	Meets USP Advanced Studies Analysis of Human Problems requirement Junior standing		
0201	TuTh 7 00pm-10 00pm	Bldg. EDU. Room 2101	Splane, J
	Examines technology as a complex force which influences social change and the educational development of individuals.		
EDPA 498	Special Problems in Education 1-3 credits. Grading Method: REG/P,F,AUD		
	Permission of department required		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
EDPA 605	Comparative Education 3 credits. Grading Method: REG/AUD		
0201	MW 4 00pm-7 00pm	Bldg. EDU. Room 2102	Male, G
	Analyses and compares leading issues in education in various countries of the world, particularly as they relate to curricular problems in American education.		
EDPA 612	Philosophy of Education 3 credits. Grading Method: REG/AUD		
0101	TuTh 7 00pm-10 00pm	Bldg. EDU. Room 2119	Noll, J
	A study of the great educational philosophers and systems of thought affecting the development of modern education, with particular emphasis on recent scholarship upon philosophical problems in education.		
EDPA 634	The School Curriculum 3 credits. Grading Method: REG/AUD		
0101	MW 4 00pm-7 00pm	Bldg. EDU. Room 1121	Selden, S
	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 curriculum design.		
EDPA 660	Administrative Foundations 3 credits. Grading Method: REG/AUD		
0101	MW 7 00pm-10 00pm	Bldg. EDU. Room 2102	Leak, L
	Develops a theoretical and research based structure for the study and practice of administration in the field of education.		
EDPA 661	Administrative Behavior and Organizational Management 3 credits. Grading Method: REG/AUD		
0201	MW 4 00pm-7 00pm	Bldg. EDU. Room 0206	Goldman, H
	Critical analysis of organizational governance and management (informal and formal dimensions), and of contributions from other fields (traditional and emerging) to the study of administrative behavior.		
EDPA 690	Research in Education Policy, Planning and Administration 3 credits. Grading Method: REG/AUD		
0201	MW 7 00pm-10 00pm	Bldg. EDU. Room 1203	Agre, G
	Introduction to research methods and designs used in studies of education policy, planning, and administration.		

EDPA continued

EDPA 700	Qualitative Research Methods in Education 3 credits. Grading Method: REG/AUD		
0101	TuTh 4 00pm-7 00pm	Bldg. EDU. Room 2203	Hopkins, R
	Qualitative methods in education research, emphasizing the paradigms of philosophy, history, sociology, anthropology, and comparative studies as they rely on narrative rather than quantifying of data.		
EDPA 772	Practicum in Leadership Behaviors 3 credits. Grading Method: REG/AUD		
	Prerequisites: EDPA 660 and EDPA 661, or permission of department		
0201	Meets JWL 16 to AUG 2		
	MtUWThF 9 00am-12:30pm	Bldg. EDU. Room 2119	Goldman, H
	Practicum in the behavior of administrators/leadership positions. Emphasis on development and refinement of exchange behaviors enhancing employee commitment and productivity in human service organizations.		
EDPA 798	Special Problems in Education 1-6 credits. Grading Method: REG/AUD		
	Permission of department required		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
EDPA 799	Master's Thesis Research 1-6 credits. Grading Method: REG		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
EDPA 899	Doctoral Dissertation Research 1-8 credits. Grading Method: REG		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

EDSP EDUCATION, SPECIAL (EDUCATION)

EDSP 210	Introduction to Special Education 3 credits. Grading Method: REG/AUD		
0201	MW 4 00pm-7:00pm	Bldg. EDU. Room 1121	Harry, E
	Characteristics and needs of children with handicaps. Current issues in special education.		
EDSP 402	Field Placement: Severely Handicapped 1-2.5 credits. Grading Method: REG		
	Permission of department required. Pre- or corequisite: [EDSP 400] or [EDSP 404] or permission of department. 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	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
	Practicum experience in settings serving severely handicapped individuals. Enrollment limited to those admitted to severely handicapped specialty area. Field placement for two to five half-days per week.		
EDSP 421	Field Placement: Early Childhood Special Education I 2-3 credits. Grading Method: REG		
	Permission of department required. Pre- or corequisite: [EDSP 410 and EDSP 420] or permission of department. 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.		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
	Practicum experience in settings serving preschool handicapped children. Opportunities for studying the patterns of development and learning among handicapped and handicapped infants and older preschoolers. Enrollment limited to students admitted to early childhood specialty. Field placement for two or three half-day per week.		
EDSP 442	Field Placement: Educationally Handicapped 1-2.5 credits. Grading Method: REG		
	Permission of department required. Pre- or corequisite: [EDSP 441 and EDCI 456] or permission of department. 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	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
	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.		
EDSP 461	Field Placement: Career Vocational I 2-3 credits. Grading Method: REG		
	Permission of department required. Pre- or corequisite: [EDSP 450 and EDSP 456; and EDIT 421] or permission of department. For EDSP majors only. 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.		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
	Practicum experience in career vocational education for the handicapped. Field placement for two or three half-days per week.		
EDSP 470	Introduction to Special Education 3 credits. Grading Method: REG/AUD		
	Open to all students except undergraduate special education majors		
0101	MW 7 00pm-10 00pm	Bldg. EDU. Room 1107	Simms, B
0201	TuTh 7 00pm-10 00pm	Bldg. EDU. Room 1121	Cooper, D
	Designed to give an understanding of the needs of all types of exceptional children.		
EDSP 491	Characteristics of Learning Disabled Students: Perceptual Learning Problems 3 credits. Grading Method: REG/AUD		
0201	TuTh 4 00pm-7:00pm	Bldg. EDU. Room 1107	Harris, K
	This course is planned for elementary education majors to study possibilities for the teaching of science and social studies within an environmental context, and to apply this information by demonstration of selected procedures, construction of materials, and class participation. The goals of this course are to provide the student with a background and understanding about science and social studies curricula to enable the student to think and act intelligently and creatively in a classroom situation, (b) ability to plan and teach lessons to children in an elementary school setting, (c) ability to develop and evaluate material for science and social studies instruction, and (d) understanding of content, values and skills and process goals in elementary science and social studies. Open to all students but special population of teachers from Howard County. Diagnosis, etiology, physical, social, and emotional characteristics of learning disabled students.		
EDSP 498	Special Problems in Special Education 1-6 credits. Grading Method: REG		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
EDSP 498R	Special Problems in Special Education: The Handicapped Child in the Regular Classroom 3 credits. Grading Method: REG/AUD		
0101	MW 4 00pm-7:00pm	Bldg. EDU. Room 2119	Hebeler, J
	Course developed for Master and state certification. To assist regular education in working with handicapped students in their school settings. Deals with the philosophy, legal provisions, relevant characteristics of handicapped students, modification in educational programs and relevant resources for the regular educator.		
EDSP 600	Exceptional Children and Youth 3 credits. Grading Method: REG/AUD		
	Prerequisite: 9 hours in special education and permission of department		
0101	TuTh 4 00pm-7 00pm	Bldg. EDU. Room 3315	Speece, D
	Examines research relevant to the education of exceptional children and youth.		
EDSP 798	Special Problems in Special Education 1-6 credits. Grading Method: REG		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

EDSP continued

EDSP 798R Special Problems in Special Education: The Handicapped Child in the Regular Classroom 3 credits. Grading Method: REG/AUD			
0101	MW 4:00pm-7:00pm	Bldg. EDU. Room 2119	Habeler J
0201	Time Arranged	Room Arranged	Staff
Course designed for Maryland state certification. To assist regular educators in working with handicapped students in their school settings. Deals with the philosophy, legal provisions, relevant characteristics of handicapped students, modification in educational programs and relies on resources for the regular educator.			
EDSP 799 Master's Thesis Research 1-6 credits. Grading Method: REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
EDSP 888 Apprenticeship in Special Education 1-8 credits. Grading Method: REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
EDSP 889 Internship in Special Education 3-8 credits. Grading Method: REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
EDSP 899 Doctoral Dissertation Research 1-8 credits. Grading Method: REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

ENAE

ENGINEERING, AEROSPACE (ENGINEERING)

ENAE 201 Introduction to Aerospace Engineering I 2 credits. Grading Method: REG/P.F/AUD			
Prerequisite: ENES 110			
0101	MTuWTh 8:00am-9:20am	Bldg. EGR. Room 2154	Wribriade R
History of aeronautical engineering, technical fundamentals, the standard atmosphere, basic aerodynamics, and the aerodynamics of airfoils, wings and other aerodynamic shapes.			
ENAE 202 Introduction to Aerospace Engineering II 2 credits. Grading Method: REG/P.F/AUD			
Prerequisite: ENAE 201			
0201	MTuWTh 8:00am-9:20am	Bldg. EGR. Room 0108	Wribriade R
Elements of airplane performance. Principles of airplane stability and control. Basic astronautics, including orbital and escape trajectories, flight propulsion fundamentals, propellers, IC engines, jet and rocket engines.			
ENAE 345 Flight Dynamics 3 credits. Grading Method: REG/P.F/AUD			
Prerequisites: ENES 221 and MATH 246			
0101	MTuWTh 8:00am-9:20am	Bldg. EGR. Room 0108	Regan F
Kinematics and concept of system state. Dynamic principles applied to particles, discrete mass and continuously distributed mass systems. Lagrangian dynamics, dynamic stability of systems, applications to dynamics of aerospace vehicles and vehicle components.			
ENAE 371 Aerodynamics I 3 credits. Grading Method: REG/P.F/AUD			
Prerequisites: ENAE 202 and PHYS 262 and MATH 241. Corequisite: MATH 246			
0201	MTuWTh 9:30am-10:50am	Bldg. EGR. Room 0110	Jones E
Basic fluid mechanics and aerodynamic theory.			
ENAE 475 Viscous Flow and Aerodynamic Heating 3 credits. Grading Method: REG			
Prerequisites: ENAE 371 and ENAE 471 and ENME 217			
0201	MTuWTh 8:00am-9:20am	Bldg. EGR. Room 1120	Jones E
Fundamental aspects of viscous flow, Navier-Stokes equations, similarity, boundary layer equations, laminar, transitional and turbulent incompressible flows on airfoils, thermal boundary layers and convective heat transfer: conduction through solids, introduction to radiative heat transfer.			
ENAE 499 Elective Research 1-3 credits. Grading Method: REG/P.F/AUD			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ENAE 799 Master's Thesis Research 1-6 credits. Grading Method: REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ENAE 899 Doctoral Dissertation Research 1-8 credits. Grading Method: REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

ENAG

ENGINEERING AGRICULTURAL (AGRICULTURE)

ENAG 489 Special Problems in Agricultural Engineering 1-2 credits. Grading Method: REG/P.F/AUD			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ENAG 499 Special Problems in Agricultural Engineering Technology 1-3 credits. Grading Method: REG/P.F/AUD			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ENAG 699 Special Problems in Agricultural and Aquacultural Engineering 1-6 credits. Grading Method: REG/AUD			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ENAG 799 Master's Thesis Research 1-6 credits. Grading Method: REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ENAG 899 Doctoral Dissertation Research 1-8 credits. Grading Method: REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

ENCE

ENGINEERING, CIVIL (ENGINEERING)

ENCE 489 Special Problems 3 credits. Grading Method: REG/P.F/AUD			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ENCE 688 Advanced Topics in Civil Engineering 1-3 credits. Grading Method: REG/AUD			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ENCE 688A Advanced Topics in Civil Engineering: Satellite Image Processing 3 credits. Grading Method: REG/AUD			
0101	Time Arranged	Room Arranged	Ragan, R
ENCE 799 Master's Thesis Research 1-6 credits. Grading Method: REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

ENCE continued

ENCE 899 Doctoral Dissertation Research 1-8 credits. Grading Method: REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

ENCH

ENGINEERING, CHEMICAL (ENGINEERING)

ENCH 215 Chemical Engineering Analysis 3 credits. Grading Method: REG			
Prerequisite: CHEM 104. Pre- or corequisite: MATH 141			
0101	MTuWTh 9:30am-10:50am	Bldg. CHE. Room 2145	Staff
Introduction to methods of chemical engineering calculations and analysis. Stoichiometric relations, material and energy balances, and behavior of gases, vapors, liquids and solids. Analytical and computer methods.			
ENCH 260 Transport Processes I: Fluid Mechanics 2 credits. Grading Method: REG			
Pre- or corequisite: MATH 246			
0201	MTuWTh 2:00pm-3:20pm	Bldg. CHE. Room 2140	Staff
Fluid properties, fluid statics and hydrostatics, flow concepts and basic equations, viscous effects. Applications in measurement of flow, closed conduit flow, packed bed and other chemical engineering systems.			
ENCH 437 Chemical Engineering Laboratory 3 credits. Grading Method: REG/P.F/AUD			
Prerequisites: ENCH 427 and ENCH 440, and ENCH 442			
0101	TuTh 11:00am-5:00pm	Bldg. CHE. Room 1145	Staff
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.			
ENCH 468 Research 1-3 credits. Grading Method: REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ENCH 648 Special Problems in Chemical Engineering 1-6 credits. Grading Method: REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ENCH 799 Master's Thesis Research 1-6 credits. Grading Method: REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ENCH 899 Doctoral Dissertation Research 1-8 credits. Grading Method: REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

ENCO

ENGINEERING, COOPERATIVE EDUCATION (ENGINEERING)

ENCO 098 Co-Op Work Experience No credit. Grading Method: S/F			
Prerequisite: Department required. Completion of freshman and sophomore engineering requirements.			
0101	Time Arranged	Room Arranged	Sauber, H
0201	Time Arranged	Room Arranged	Sauber, H

ENEE

ENGINEERING, ELECTRICAL (ENGINEERING)

ENEE 204 Systems and Circuits I 3 credits. Grading Method: REG			
Permission of department required. Prerequisite: MATH 141. Engineering College only (04)			
0101	Meets JUN 4 to JUL 25	Bldg. EGR. Room 0108	Staff
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.			
ENEE 244 Digital Logic Design 3 credits. Grading Method: REG			
Permission of department required. Prerequisite: ENES 240. Engineering College only (04)			
0101	Meets JUN 4 to JUL 25	Bldg. EGR. Room 0108	Staff
Gates, flip-flops, registers and counters, Karnaugh map simplification of gate networks. Switching algebra. Synchronous sequential systems. PLA's. Elements of binary arithmetic units.			
ENEE 300 Principles of Electrical Engineering 3 credits. Grading Method: REG			
Permission of department required. Prerequisites: MATH 241, PHYS 263. Corequisite: ENEE 301. Required of aerospace, mechanical and chemical engineers. Not applicable in the electrical engineering major program. Acceptable as prerequisite for some advanced ENEE courses. Engineering College only (04)			
0101	Meets JUN 4 to JUL 25	Bldg. EGR. Room 3106	Staff
0102	Meets JUN 4 to JUL 25	Bldg. EGR. Room 3106	Staff
Analysis of linear systems, introduction to Laplace transforms, steady-state A-C transforms, introduction to the concepts of electromagnetic fields and electric machines.			
ENEE 301 Electrical Engineering Laboratory 1 credit. Grading Method: REG			
Permission of department required. Corequisite: ENEE 300. Engineering College only (04)			
0101	Meets JUN 4 to JUL 25	Bldg. EGL. Room 0124	Staff
0102	Meets JUN 4 to JUL 25	Bldg. EGL. Room 0124	Staff
Experiments on the transient and steady-state response of linear circuits, electric machines, electron tubes and semi-conductor devices.			

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 course in ENEE 300 and ENEE 301. Transfer students will be allowed one semester to complete all such courses after starting to take upper-level ENEE courses.

ENEE 304 Systems and Circuits II 3 credits. Grading Method: REG			
Permission of department required. Pre- or Corequisite: MATH 246. Prerequisite: ENEE 204 and completion of all lower-division technical courses in the EE curriculum. See above note. ENEE majors (1990-91) only.			
0101	Meets JUN 4 to JUL 25	MTuWTh 9:30am-10:50am	Bldg. EGR. Room 1106
Simultaneous analysis. General mesh and node analysis. Analysis by Laplace transforms, network functions, network theorems. Two-port theory, controlled sources, small signal analysis of semi-conductor devices, Fourier series.			

EENE continued

EENE 305 Fundamental Laboratory 2 credits. Grading Method: REG			
Permission of department required. Prerequisite: EENE 204 and completion of all lower-division technical courses in the EE curriculum. See above note. This course is prerequisite to all EENE 400-level laboratory courses. EENE majors only (09090)			
0101	Meets JUN 4 to JUL 25 MW 12:30pm-1:30pm MW 1:30pm-4:30pm	Bldg EGR, Room 3114 Bldg EGL, Room 0132A (LAB)	Staff
0102	Meets JUN 4 to JUL 25 TuTh 12:30pm-1:30pm TuTh 1:30pm-4:30pm	Bldg EGR, Room 3114 Bldg EGL, Room 0132A (LAB)	Staff
Concepts and technical aspects of physical phenomena using standard electrical measuring devices: generators, oscilloscopes, voltmeters, etc. Measurements of linear and non-linear circuits, steady state and step response, integrated circuits. Handling and use of data.			
EENE 314 Electronic Circuits 3 credits. Grading Method: REG			
Permission of department required. Prerequisite: EENE 304 and completion of all lower-division technical courses in the EE curriculum. See above note.			
0101	Meets JUN 4 to JUL 25 MTuWTh 8:00am-9:20am	Bldg EGR, Room 0110	Staff
Characteristics of semi-conductor devices: Diodes, biasing and stabilization of bipolar and field effect transistors, power amplifier characteristics, feedback amplifiers, integrated operational amplifiers, transistor switches, gates, and selected digital networks.			
EENE 324 Engineering Probability 3 credits. Grading Method: REG			
Permission of department required. Prerequisite: EENE 322 and completion of all lower-division technical courses in the EE curriculum. See above note. EENE majors (09090) only.			
0101	Meets JUN 4 to JUL 25 MTuWTh 9:30am-10:50am	Bldg EGR, Room 1120	Staff
Axioms of probability, conditional probability, and Bayes' rules; random variables, probability distribution and functions, functions of random variables; weak law of large numbers and central limit theorem. Introduction to random processes, correlation functions, spectral densities, and linear systems. Applications to noise in electrical systems, filtering of signals from noise, estimation, and digital communications.			
EENE 380 Electromagnetic Theory 3 credits. Grading Method: REG			
Permission of department required. Prerequisites: MATH 241 and PHYS 263 and completion of all lower-division technical courses in the EE curriculum. See above note. EENE majors only (09090)			
0101	Meets JUN 4 to JUL 25 MTuWTh 8:00am-9:20am	Bldg EGR, Room 3108	Staff
Introduction to electromagnetic fields. Coulomb's law, Gauss's law, electrical potential, dielectric materials, capacitive, boundary value problems, Biot-Savart law, Ampere's law, Lorentz force equation, magnetic materials, magnetic circuits, inductance, time-varying fields and Maxwell's equations.			
EENE 381 Electromagnetic Wave Propagation 3 credits. Grading Method: REG			
Permission of department required. Prerequisite: EENE 380 and completion of all lower-division technical courses in the EE curriculum. See above note. EENE majors (09090) only.			
0101	Meets JUN 4 to JUL 25 MTuWTh 11:00am-12:20pm	Bldg EGR, Room 1108	Staff
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 dipoles.			
EENE 413 Electronics Laboratory 2 credits. Grading Method: REG			
Permission of department required. Prerequisite: EENE 305 and EENE 314 and completion of all lower-division technical courses in the EE curriculum. See above note. EENE majors only (09090).			
0101	Meets JUN 4 to JUL 25 MW 12:30pm-1:30pm MW 1:30pm-4:30pm	Bldg EGR, Room 1110 Bldg EGL, Room 0122 (LAB)	Staff
0102	Meets JUN 4 to JUL 25 TuTh 12:30pm-1:30pm TuTh 1:30pm-4:30pm	Bldg EGR, Room 1110 Bldg EGL, Room 0122 (LAB)	Staff
The specification, design and testing of basic electronic circuits and practical interconnections. Emphasis on design with discrete solid state and integrated circuit components for both analog and digital circuits.			
EENE 418 Projects in Electrical Engineering 1-3 credits. Grading Method: REG			
Permission of department required.			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
EENE 444 Logic Design of Digital Systems 3 credits. Grading Method: REG			
Permission of department required. Prerequisite: EENE 250 and completion of all lower-division technical courses in the EE curriculum. See above note. Not open to students who have completed EENE 244. EENE majors (09090) only.			
0101	Meets JUN 4 to JUL 25 MTuWTh 8:00am-9:20am	Bldg EGR, Room 1104	Staff
Review of switching algebra, gates and logic modules, map simplification techniques, multiple-output systems, memory elements and sequential systems, large switching systems, iterative networks, sample designs, computer oriented simplification algorithms, state assignment, partition techniques, sequential system decompositions.			
EENE 609A Projects in Electrical Engineering 1-3 credits. Grading Method: REG/AUD			
Permission of department required.			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
EENE 799 Master's Thesis Research 1-6 credits. Grading Method: REG			
Permission of department required.			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
EENE 899 Doctoral Dissertation Research 1-8 credits. Grading Method: REG			
Permission of department required.			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

ENES

ENGINEERING SCIENCE
(ENGINEERING)

ENES 101 Introductory Engineering Science 3 credits. Grading Method: REG/P-F/AUD			
0101	MTuWThF 9:30am-10:50am	Bldg CHE, Room 2136	Staff
0102	MTuWThF 8:00am-9:20am	Bldg CHE, Room 2136	Staff
0201	MTuWThF 11:00am-12:20pm	Bldg CHE, Room 2136	Staff
0202	MTuWThF 11:00am-12:20pm	Bldg CHE, Room 2136	Staff
Basic languages of the engineer. Elements of graphic communication and analysis. Orthographic projection, conventions, graphs and curve-fitting. Introduction to Fortran computer language. Engineering orientation, selection of a major, and career goals.			
ENES 101A Introductory Engineering Science 3 credits. Grading Method: REG/P-F/AUD			
Permission of department required. Permission of dean required. High school students only.			
0201	MWF 9:00am-11:25am	Bldg EGR, Room 0135	Staff

ENES continued

ENES 101S Introductory Engineering Science 3 credits. Grading Method: REG			
Permission of department required. Permission of ENNE required. High school students only.			
0201	MWF 8:30am-10:50am	Bldg EGR, Room 1102	Staff
ENES 110 Statics 3 credits. Grading Method: REG/P-F/AUD			
Corequisite: MATH 141.			
0101	MTuWThF 9:30am-10:50am	Bldg EGR, Room 2154	Staff
0102	MTuWThF 11:00am-12:20pm	Bldg EGR, Room 1106	Staff
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 uniaxial bending. Vector and scalar methods are used to solve problems.			
ENES 121A The World of Engineering 3 credits. Grading Method: REG/P-F/AUD			
Meets USP Distributive Studies (B) Natural Sciences and Mathematics requirement. Permission of department required. Permission of dean required. High school students only.			
0201	MTuWTh 9:00am-12:00pm	Bldg EGR, Room 2112	Staff
ENES 220 Mechanics of Materials 3 credits. Grading Method: REG/P-F/AUD			
Prerequisites: MATH 141, and PHYS 161 and ENES 110.			
0101	MTuWThF 8:00am-9:20am	Bldg EGR, Room 0135	Staff
0102	MTuWThF 11:00am-12:20pm	Bldg EGR, Room 0135	Staff
Distortion of engineering materials in relation to changes in stress or temperature. Geometry of internal strain and external displacement. Application to beams, columns, shafts, tanks, and other structural, machine and vehicle members.			
ENES 221 Dynamics 3 credits. Grading Method: REG/P-F/AUD			
Prerequisites: ENES 110, and MATH 141; and PHYS 161.			
0101	MTuWThF 9:30am-10:50am	Bldg EGR, Room 1135	Staff
0102	MTuWThF 11:00am-12:20pm	Bldg EGR, Room 1110	Staff
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.			
ENES 240 Engineering Computation 3 credits. Grading Method: REG/P-F/AUD			
Permission of department required. Prerequisites: MATH 141 and ENES 101. Open only to students in the College of Engineering (04).			
0101	Meets JUN 4 to JUL 25 MTuWThF 9:30am-10:50am	Bldg EGR, Room 1108	Staff
Introduction to the design and implementation of algorithms to solve engineering problems using digital computers. Analysis of problems fundamental to engineering design, construction and diagrammatic description of effective procedures for solving them and implementing and testing of these solutions in a common high-level engineering oriented language such as FORTRAN. Techniques for data input and storage, selection of relevant numerical and non-numerical methods for problem solutions, and the efficient ordering of data for meaningful output presentation.			

ENGL

ENGLISH
(ARTS AND HUMANITIES)

ENGL 101 Introduction to Writing 3 credits. Grading Method: REG			
0101	MW 6:00pm-9:00pm	Bldg KEY, Room 0121	Honemann, D
0102	MTuWThF 9:30am-10:50am	Bldg KEY, Room 0117	Griggs, J
0103	MTuWThF 9:30am-10:50am	Bldg ARC, Room 1125	Bingham, J
0104	MTuWThF 11:00am-12:20pm	Bldg KEY, Room 0119	Meng, D
0201	MTuWThF 9:30am-10:50am	Bldg ARC, Room 1127	O'Donnell, N
0202	MTuWThF 11:00am-12:20pm	Bldg ARC, Room 1127	Dickinson, L
An introductory course in academic writing. An introductory course in expository writing.			
ENGL 101X Introduction to Writing 3 credits. Grading Method: REG			
Permission of department required. Limited to students for whom English is a second language. To register for ENGL 101X, a student must first demonstrate competence. English: Proof of one of the following should be brought to TLF 2143 (X 4160) or PKT 1104 (X 6545) 1. A TOEFL score of 550 with no score below 50. 2. A CELT score of 220 with no subtest score below 50 and a rating of 5 or better on the writing sample. 3. Successful completion of UMEI 005. Advanced English as a Foreign Language. Semi-Intensive.			
0101	Meets JUN 4 to AUG 10 MWF 11:00am-12:20pm	Bldg TLF, Room 2137	Chitwood, C
ENGL 202 World Literature 3 credits. Grading Method: REG/P-F/AUD			
Meets USP Distributive Studies (C) Literature and the Arts requirement.			
0101	MTuWThF 11:00am-12:20pm	Bldg KEY, Room 0126	Damaree, C
Shakespeare to the present, foreign classics being read in translation.			
ENGL 205 Introduction to Shakespeare 3 credits. Grading Method: REG/P-F/AUD			
Meets USP Distributive Studies (C) Literature and the Arts requirement. Recommended for non-majors.			
0101	MW 6:00pm-9:00pm	Bldg KEY, Room 0126	Auchard, J
0201	MTuWThF 11:00am-12:20pm	Bldg TLF, Room 2110	Barry, J
Reading of selected representative plays including the major tragedies.			
ENGL 222 American Literature: 1865 to Present 3 credits. Grading Method: REG/P-F/AUD			
Meets USP Distributive Studies (C) Literature and the Arts requirement.			
0101	MTuWThF 9:30am-10:50am	Bldg TLF, Room 0110	Lawson, L
0201	MTuWThF 11:00am-12:20pm	Bldg KEY, Room 0116	Van Edmond, P
ENGL 240 Introduction to Literary Forms: Fiction, Poetry, Drama 3 credits. Grading Method: REG/P-F/AUD			
Meets USP Distributive Studies (C) Literature and the Arts requirement. Not open to students who have completed ENGL 101.			
0201	MTuWThF 9:30am-10:50am	Bldg ARC, Room 1101	Smith, N
Readings in the novel, short story, poetry and drama.			
ENGL 243 Introduction to Poetry 3 credits. Grading Method: REG/P-F/AUD			
Meets USP Distributive Studies (C) Literature and the Arts requirement.			
0101	MTuWThF 11:00am-12:20pm	Bldg TLF, Room 2110	Moser, T
ENGL 246 The Short Story 3 credits. Grading Method: REG/P-F/AUD			
Meets USP Distributive Studies (C) Literature and the Arts requirement.			
0101	MTuWThF 9:30am-10:50am	Bldg TLF, Room 2126	Staff
0201	MTuWThF 9:30am-10:50am	Bldg TLF, Room 0110	Staff
ENGL 281 Standard English Grammar, Usage, and Diction 3 credits. Grading Method: REG/P-F/AUD			
0201	TuTh 6:00pm-9:00pm	Bldg KEY, Room 0116	Magnett, C
The basic structure of written English, including parts of speech, sentence patterns, standard punctuation, diction, and usage.			
ENGL 296 Beginning Fiction Workshop 3 credits. Grading Method: REG/P-F/AUD			
0101	MTuTh 6:00pm-9:00pm	Bldg TLF, Room 2110	Leonard, S
Introduction to different aspects of the craft of fiction, such as narration, description, and dramatic development. Moments taken from the entire range of the craft. Selected readings.			
ENGL 301 Critical Methods in the Study of Literature 3 credits. Grading Method: REG/P-F/AUD			
Meets USP Distributive Studies (C) Literature and the Arts requirement.			
0101	MW 6:00pm-9:00pm	Bldg KEY, Room 0117	Cate, G
An introduction to the techniques of literary analysis and a brief survey of the most common approaches to literature.			

ENGL continued

ENGL 310 Medieval and Renaissance British Literature 3 credits, Grading Method REG For English and English education majors only. Not open to students who have completed ENGL 221 or ENGL 212.			
0101	MtUWThF 11:00am-12:20pm	Bldg KEY, Room 0120	Coogan, R
0201	MW 6:00pm-9:00pm	Bldg KEY, Room 0125	O'Sullivan, S
A perspective on the cultural attitudes and values that separate the Middle Ages from the Renaissance, highlighting the changing role and purpose of the writer. Major works and authors include Beowulf, Chaucer, Spenser, and Sidney.			
ENGL 311 Baroque and Augustan British Literature 3 credits, Grading Method REG For English and English education majors only.			
0101	TuTh 6:00pm-9:00pm	Bldg KEY, Room 0117	Hamilton, G
An intensive study of major works of seventeenth and eighteenth century English literature exploring the variety of artistic ideas and techniques of the period.			
ENGL 312 Romantic to Modern British Literature 3 credits, Grading Method REG For English and English education majors only.			
0101	MW 6:00pm-9:00pm	Bldg TLF, Room 0110	Lozeaux, E
0201	MtUWThF 11:00am-12:20pm	Bldg TYD, Room 1118	Klene, D
An intensive study of major works of nineteenth and twentieth century English literature.			
ENGL 313 American Literature 3 credits, Grading Method REG For English and English education majors only. Not open to students who have completed ENGL 221 or ENGL 222.			
0201	TuTh 6:00pm-9:00pm	Bldg KEY, Room 0125	Davis, K
A detailed study of selected major texts of American literature from the 17th to the 20th century, including women's literature, Black literature, and literature from various regions of the country.			
ENGL 320 English Romantic Literature 3 credits, Grading Method REG Meets USP Advanced Studies Development of Knowledge requirement. Prerequisite: two college-level literature courses. Credit will be granted for only one of the following ENGL 320 and ENGL 320 or ENGL 320 and ENGL 321.			
0201	MW 6:00pm-9:00pm	Bldg KEY, Room 0116	Howard, J
Survey of fiction, poetry, and criticism. Emphasis on shifts in thinking from rationalism to the Enlightenment to the romanticism of the nineteenth century.			
ENGL 378 Independent Research in English 1-6 credits, Grading Method REG-P/AUD Permission of department required.			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ENGL 379S Special Topics in Literature: Film Analysis - The Rhetoric of Fictional Worlds 3 credits, Grading Method REG Meets USP Advanced Studies Development of Knowledge requirement.			
0101	TuTh 6:30pm-10:00pm	Bldg ASY, Room 2305	Miller, J
0201	TuTh 6:30pm-10:00pm	Bldg ASY, Room 2309	Miller, J
ENGL 379T Special Topics in Literature: On Argument 3 credits, Grading Method REG Meets USP Advanced Studies Analysis of Human Problems requirement.			
0101	MtUWThF 11:00am-12:20pm	Bldg TLF, Room 2110	Shapiro, N
ENGL 380 Internship 3-6 credits, Grading Method REG-P/AUD Permission of department required. Pre- or corequisite: ENGL 381 or ENGL 382, and permission of department.			
0201	Time Arranged	Room Arranged	Terchek, M
The English Department's internship program. Pre-professional experience in writing and editing in a variety of fields.			
ENGL 391 Advanced Composition 3 credits, Grading Method REG Prerequisite: 36 hours of college credit which must include ENGL 101 or equivalent.			
0101	MtUWThF 8:00am-9:20am	Bldg KEY, Room 0125	Staff
0102	MtUWThF 9:30am-10:50am	Bldg KEY, Room 0124	Staff
0103	MtUWThF 9:30am-10:50am	Bldg TLF, Room 2137	Staff
0104	MtUWThF 9:30am-10:50am	Bldg TLF, Room 0135	Staff
0105	MtUWThF 11:00am-12:20pm	Bldg KEY, Room 0123	Staff
0106	MtUWThF 11:00am-12:20pm	Bldg ASY, Room 3215	Staff
0107	MW 6:00pm-9:00pm	Bldg KEY, Room 0125	Staff
0108	TuTh 6:00pm-9:00pm	Bldg KEY, Room 0125	Staff
0201	MtUWThF 9:30am-10:50am	Bldg TLF, Room 2110	Staff
0202	MtUWThF 9:30am-10:50am	Bldg ASY, Room 3219	Staff
0203	MtUWThF 11:00am-12:20pm	Bldg ARC, Room 1123	Staff
0204	MtUWThF 11:00am-12:20pm	Bldg TLF, Room 2126	Staff
0205	TuTh 6:00pm-9:00pm	Bldg KEY, Room 0120	Staff
An advanced composition course which emphasizes constructing written arguments accommodated to real audiences.			
ENGL 393 Technical Writing 3 credits, Grading Method REG Prerequisite: 56 hours of college credit which must include ENGL 101 or equivalent.			
0101	MtUWThF 8:00am-9:20am	Bldg KEY, Room 0124	Staff
0102	MtUWThF 9:30am-10:50am	Bldg KEY, Room 0123	Staff
0103	MtUWThF 9:30am-10:50am	Bldg ARC, Room 1123	Staff
0104	MtUWThF 9:30am-10:50am	Bldg KEY, Room 0121	Staff
0105	MtUWThF 11:00am-12:20pm	Bldg KEY, Room 0121	Staff
0106	MtUWThF 11:00am-12:20pm	Bldg TLF, Room 0135	Staff
0107	MtUWThF 11:00am-12:20pm	Bldg KEY, Room 0124	Staff
0108	MW 6:00pm-9:00pm	Bldg KEY, Room 0123	Staff
0109	MW 6:00pm-9:00pm	Bldg KEY, Room 0123	Staff
0110	TuTh 6:00pm-9:00pm	Bldg TYD, Room 1136	Staff
0201	MtUWThF 9:30am-10:50am	Bldg KEY, Room 0117	Staff
0202	MtUWThF 9:30am-10:50am	Bldg KEY, Room 0119	Staff
0203	MtUWThF 9:30am-10:50am	Bldg TLF, Room 2126	Staff
0204	MtUWThF 11:00am-12:20pm	Bldg KEY, Room 0117	Staff
0205	MtUWThF 11:00am-12:20pm	Bldg LEF, Room 1208	Staff
0206	MtUWThF 11:00am-12:20pm	Bldg KEY, Room 0119	Staff
0207	MW 6:00pm-9:00pm	Bldg KEY, Room 0119	Staff
0208	TuTh 6:00pm-9:00pm	Bldg KEY, Room 0119	Staff
The writing of technical papers and reports.			
ENGL 393X Technical Writing 3 credits, Grading Method REG For students for whom English is a second language.			
0101	Meets JUn 4 to AUG 11		
	MWF 11:00am-12:30pm	Bldg TLF, Room 2101	Staff
0102	Meets JUn 4 to AUG 11		
	MWF 11:00am-12:30pm	Bldg LEF, Room 1210	Staff
ENGL 394 Business Writing 3 credits, Grading Method REG Prerequisite: 56 hours of college credit which must include ENGL 101 or equivalent. This course satisfies the junior English requirement.			
0101	MtUWThF 9:30am-10:50am	Bldg KEY, Room 0119	Staff
0102	TuTh 6:00pm-9:00pm	Bldg KEY, Room 0119	Staff
0201	MtUWThF 11:00am-12:20pm	Bldg TLF, Room 0110	Staff
0202	TuTh 6:00pm-9:00pm	Bldg KEY, Room 0126	Staff
Intensive practice in the writing of memos, reports, and proposals. Principles of rhetoric and effective style.			
ENGL 412 Literature of the Seventeenth Century, 1600-1660 3 credits, Grading Method REG Meets USP Advanced Studies Development of Knowledge requirement.			
0101	MtUWThF 9:30am-10:50am	Bldg KEY, Room 0116	Wilson, G

ENGL continued

ENGL 432 American Literature, 1865 to 1914, Realism and Naturalism 3 credits, Grading Method REG Meets USP Advanced Studies Development of Knowledge requirement. Prerequisite: two literature courses.			
0101	MtUWThF 11:00am-12:20pm	Bldg LEF, Room 1221	Robinson, J
0201	MW 6:00pm-9:00pm	Bldg KEY, Room 0103	Linville, R
ENGL 454 Modern Drama 3 credits, Grading Method REG-P/AUD Meets USP Advanced Studies Development of Knowledge requirement. Prerequisite: two literature courses.			
0101	MtUWThF 9:30am-10:50am	Bldg TLF, Room 2108	Freedman, M
ENGL 462 Folklore and Ballad 3 credits, Grading Method REG-P/AUD Meets USP Distributive Studies (C) Literature and the Arts requirement.			
0201	MtUWThF 9:30am-10:50am	Bldg KEY, Room 0103	Pearson, B
ENGL 466 Arthurian Legend 3 credits, Grading Method REG-P/AUD Meets USP Advanced Studies Development of Knowledge requirement.			
0101	MtUWThF 9:30am-10:50am	Bldg TLF, Room 2101	Herman, H
Development of the Arthurian legend of heroism and love in English literature from medieval to modern times.			
ENGL 489A Special Topics in English Language: The Language of Advertising 3 credits, Grading Method REG Meets USP Advanced Studies Development of Knowledge requirement.			
0101	MtUWThF 9:30am-10:50am	Bldg KEY, Room 0125	James, E
ENGL 601 Bibliography and Methods 3 credits, Grading Method REG Permission of department required.			
0101	MW 6:00pm-9:00pm	Bldg KEY, Room 0119	Handelman, S
ENGL 621 Readings in Renaissance English Literature 3 credits, Grading Method REG Permission of department required.			
0101	TuTh 6:00pm-9:00pm	Bldg KEY, Room 0120	Hamilton, D
ENGL 627 Readings in American Literature, 1865-1914 3 credits, Grading Method REG Permission of department required.			
0201	TuTh 6:00pm-9:00pm	Bldg KEY, Room 0117	Caramello, C
ENGL 699 Independent Study 1-3 credits, Grading Method REG/AUD Permission of department required.			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ENGL 749 Studies in Twentieth-Century Literature: Modern British Fiction - The Dialogue Novel 3 credits, Grading Method REG Permission of department required.			
0101	MW 6:00pm-9:00pm	Bldg KEY, Room 0120	Russell, J
ENGL 779 Seminar in Language Study: Discourse Analysis 3 credits, Grading Method REG Permission of department required.			
0101	Meets JUn 26 to AUG 2		
	TuTh 9:00am-9:30pm	Bldg LEF, Room 1210	Coleman, L
ENGL 799 Master's Thesis Research 1-6 credits, Grading Method REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ENGL 899 Doctoral Dissertation Research 1-8 credits, Grading Method REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

ENMA

ENGINEERING, MATERIALS

(ENGINEERING)

ENMA 698 Special Problems in Engineering Materials 1-6 credits, Grading Method REG/AUD			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ENMA 799 Master's Thesis Research 1-6 credits, Grading Method REG Permission of department required.			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ENMA 899 Doctoral Dissertation Research 1-8 credits, Grading Method REG Permission of department required.			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

ENME

ENGINEERING, MECHANICAL

(ENGINEERING)

ENME 217 Thermodynamics 3 credits, Grading Method REG-P/AUD Prerequisites: PHYS 262, and MATH 141.			
0101	MtUWThF 8:00am-9:20am	Bldg EGR, Room 1106	Staff
0102	MtUWThF 11:00am-12:20pm	Bldg EGR, Room 1120	Staff
Properties, characteristics and fundamental equations of gases and vapors. Work transfer and heat transfer, first and second laws of thermodynamics, entropy, irreversibility, availability, and the thermodynamics of mixtures.			
ENME 310 Mechanics of Deformable Solids 3 credits, Grading Method REG-P/AUD Prerequisite: ENES 220.			
0101	MtUWThF 8:00am-9:20am	Bldg EGR, Room 1108	Staff
Introduction to the mechanics of engineering materials in three dimensions. Concepts of stress, strain, generalized Hooke's law, and equilibrium of solids. Models of failure including plasticity, stability, fatigue, and fracture will be treated.			
ENME 315 Intermediate Thermodynamics 3 credits, Grading Method REG-P/AUD Prerequisite: ENME 217.			
0101	MtUWThF 9:30am-10:50am	Bldg EGR, Room 1104	Staff
Application of the first and second laws of thermodynamics in the analysis of basic heat engines, air compression, and steam power cycles. Heat sources in fossil fuels and nuclear fuels. The thermodynamics of fluid flow.			
ENME 321 Transfer Processes 3 credits, Grading Method REG-P/AUD Prerequisite: ENME 342.			
0101	MtUWThF 11:00am-12:20pm	Bldg EGR, Room 1104	Staff
CONDUCTION, steady-state and transient heat flows, laminar and turbulent flow, free and forced convection, radiation, evaporation and condensation vapors. Transfer of mass, heat and momentum.			
ENME 342 Fluid Mechanics I 3 credits, Grading Method REG-P/AUD Prerequisite: ENME 217.			
0101	MtUWThF 11:00am-12:20pm	Bldg EGR, Room 2154	Staff
Fluid flow concepts and basic equations, effects of viscosity and compressibility. Dimensional analysis and laws of similarity. Flow through pipes and over immersed bodies. Principles of flow measurement.			
ENME 343 Fluid Mechanics Laboratory 1 credit, Grading Method REG-P/AUD Corequisite: ENME 342.			
0101	WTh 12:30pm-3:30pm	Bldg EGR, Room 3106 (LAB)	Staff
Measurement of fluid properties, determination of pressure drops in pipes and fittings, observation of fluid phenomena. Experiment and demonstration of flow measurement techniques.			

ENME continued

ENME 360 Dynamics of Machinery 3 credits, Grading Method REG P-F/AUD			
0101	Prerequisites: ENES 220, and ENES 221, and MATH 246 MTuWThF 9:30am-11:50pm	Bldg EGR, Room 3106	Staff
Dynamic characteristics of machinery with emphasis on systems with single and multiple degrees of freedom			
ENME 381 Measurements Laboratory 3 credits, Grading Method REG P-F/AUD			
0101	Prerequisites: ENME 360; and ENEE 300 TuWTh 12:30pm-1:50pm	Bldg EGR, Room 1120	Staff
0201	TuWTh 2:00pm-5:30pm	Bldg EGR, Room 1120 (LAB)	Staff
Required of juniors in mechanical engineering. Measurements and measurement systems, application of selected instruments with emphasis on interpretation of results.			
ENME 400 Machine Design 3 credits, Grading Method REG P-F/AUD			
0101	Prerequisites: ENME 310, and ENME 360. Corequisite: ENME 401 MTuWThF 11:00am-12:20pm	Bldg CHE, Room 2140	Staff
Working stresses, stress concentration, stress analysis and repeated loadings. Design of machine elements. Kinematics of mechanisms.			
ENME 401 The Structure and Properties of Engineering Materials 3 credits, Grading Method REG			
0101	Corequisite: ENME 310 MTuWThF 9:30am-10:50am	Bldg EGR, Room 2112	Staff
The nature and properties of engineering materials as related to their use in all phases of mechanical engineering will be studied. Materials covered include metals, ceramics and glasses, polymer and composites.			
ENME 403 Automatic Controls 3 credits, Grading Method REG P-F/AUD			
0101	Prerequisites: ENEE 300, and ENME 360. Senior standing MTuWThF 8:00am-9:20am	Bldg CHM, Room 2201	Staff
Hydraulic, electrical, mechanical and pneumatic automatic control systems. Open and closed loops. Steady state and transient operation, stability criteria, linear and non-linear systems, Laplace transforms.			
ENME 414 Computer-Aided Design 3 credits, Grading Method REG P-F/AUD			
0101	Permission of department required. Prerequisites: ENME 205, and MATH 241 or equivalent MTuWThF 5:30pm-6:50pm	Bldg EGR, Room 2154	Staff
Introduction to computer graphics. Plotting and drawing with computer software. Principles of writing interactive software. The applications of computer graphics in computer-aided design. Computer-aided design project.			
ENME 488 Special Problems in Design 3 credits, Grading Method REG P-F/AUD			
0101	Permission of department required	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ENME 799 Master's Thesis Research 1-6 credits, Grading Method REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ENME 808 Advanced Topics in Mechanical Engineering 3 credits, Grading Method REG/AUD			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ENME 899 Doctoral Dissertation Research 1-8 credits, Grading Method REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

ENNU

ENGINEERING, NUCLEAR
(ENGINEERING)

ENNU 215 Introduction to Nuclear Technology 3 credits, Grading Method REG P-F/AUD			
0101	Prerequisites: MATH 141, and PHYS 161 MTuWThF 9:30am-10:50am	Bldg CHE, Room 2140	Staff
Engineering topics include the nuclear energy complex, including basic theory, use of computers, nuclear reactor design and isotopes, and chemical separations.			
ENNU 468 Research 2-3 credits, Grading Method REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ENNU 488 Special Problems in Nuclear Engineering 1-6 credits, Grading Method REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ENNU 799 Master's Thesis Research 1-6 credits, Grading Method REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ENNU 899 Doctoral Dissertation Research 1-8 credits, Grading Method REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

ENRE

RELIABILITY ENGINEERING
(ENGINEERING)

ENRE 648 Special Problems in Reliability Engineering 1-6 credits, Grading Method REG			
0101	Permission of department required	Room Arranged	Roush, M
0201	Time Arranged	Room Arranged	Roush, M
ENRE 799 Master's Thesis Research 1-6 credits, Grading Method REG S-F			
0101	Permission of department required	Room Arranged	Roush, M
0201	Time Arranged	Room Arranged	Roush, M
ENRE 899 Doctoral Dissertation Research 1-8 credits, Grading Method REG S-F			
0101	Permission of department required	Room Arranged	Roush, M
0201	Time Arranged	Room Arranged	Roush, M

ENTM

ENTOMOLOGY
(LIFE SCIENCES)

ENTM 100 Insects 3 credits, Grading Method REG P-F/AUD			
0101	Meets USP Distributive Studies (B) Natural Sciences and Mathematics requirement MTuWThF 9:30am-10:50am	Bldg SYM, Room 1308	Staff
0201	MTuWThF 9:30am-10:50am	Bldg SYM, Room 1308	Staff
A survey of the major groups of insects, their natural history, and their relationships with man and his environment.			
ENTM 399 Special Problems 1-2 credits, Grading Method REG P-F/AUD			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ENTM 699 Advanced Entomology 1-6 credits, Grading Method REG/AUD			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

ENTM continued

ENTM 789 Field Experience in Pest Management 1-6 credits, Grading Method REG/AUD			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ENTM 799 Master's Thesis Research 1-6 credits, Grading Method REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ENTM 899 Doctoral Dissertation Research 1-8 credits, Grading Method REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

FDSC

FOOD SCIENCE
(AGRICULTURE)

FDSC 399 Special Problems in Food Science 1-3 credits, Grading Method REG P-F/AUD			
0101	Permission of department required	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
FDSC 699 Special Problems in Food Science 1-4 credits, Grading Method REG/AUD			
0101	Permission of department required	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
FDSC 799 Master's Thesis Research 1-6 credits, Grading Method REG			
0101	Permission of department required	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
FDSC 899 Doctoral Dissertation Research 1-8 credits, Grading Method REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

FMCD

FAMILY AND COMMUNITY DEVELOPMENT
(HUMAN ECOLOGY)

FMCD 105 The Individual in the Family 3 credits, Grading Method REG P-F/AUD			
0101	MW 10:00am-4:20pm	Bldg MMH, Room 3418	Randolph, S
Study of personality development within the family context. Emphasis on identity and self-awareness.			
FMCD 250 Decision Making in Families and Communities 3 credits, Grading Method REG/AUD			
0101	Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement. MW 10:00am-4:20pm	Bldg MMH, Room 1304	Hanna, V
Introduction to problem solving, decision theory, and systems analysis, and their application to the practical problems facing families, human service organizations, and local communities.			
FMCD 260 Interpersonal Life Styles 3 credits, Grading Method REG P-F/AUD			
0101	Prerequisite: FMCD 105 or equivalent. MW 10:00am-4:20pm	Bldg MMH, Room 1400	Rubin, R
Couple relationships in contemporary dating, courtship and marriage, and their alternatives.			
FMCD 330 Family Patterns 3 credits, Grading Method REG/AUD			
0101	Meets USP Distributive Studies (A) Cultural and Historical requirement. Junior standing. TuTh 6:00pm-9:20pm	Bldg LEF, Room 2166	Leslie, L
0102	MW 9:30am-12:50pm	Bldg HBK, Room 1116	Millstein, F
0201	TuTh 9:30am-12:50pm	Bldg MMH, Room 1304	Zeiger, R
Theory and research on the family, including a cross-cultural analysis of family patterns.			
FMCD 331 The Child in the Family 3 credits, Grading Method REG P-F/AUD			
0101	Prerequisite: FMCD 105 or PSYC 100. TuTh 10:00am-4:20pm	Bldg MMH, Room 3418	Koblinsky, S
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.			
FMCD 348 Practicum in Family and Community Development 4-12 credits, Grading Method REG P-F/AUD			
0101	Permission of department required	Room Arranged	Millstein, F
FMCD 349 Analysis of Practicum 1 credit, Grading Method REG P-F/AUD			
0101	Permission of department required. Meets JUN 5 to AUG 21. Tu 10:00am-12:00pm	Bldg MMH, Room 1206	Millstein, F
FMCD 381 Poverty and Affluence Among Families and Communities 3 credits, Grading Method REG/AUD			
0101	Meets USP Advanced Studies Analysis of Human Problems requirement. Prerequisite: FMCD 201, or SOCY 100, or SOCY 105. TuTh 9:00am-12:20pm	Bldg MMH, Room 1304	Koblinsky, S
Social, political, economic interrelationships among families and communities with respect to varying resources.			
FMCD 386 Field Work 1-3 credits, Grading Method REG P-F/AUD			
0201	Time Arranged	Room Arranged	Rubin, R
FMCD 387 Field Work Analysis 1-3 credits, Grading Method REG P-F/AUD			
0201	Time Arranged	Room Arranged	Rubin, R
FMCD 399 Independent Study 1-6 credits, Grading Method REG P-F/AUD			
0101	Permission of department required	Room Arranged	Rubin, R
0201	Time Arranged	Room Arranged	Rubin, R
Individualized family and community studies projects of interest to student and faculty.			
FMCD 430 Gender Role Development in the Family 3 credits, Grading Method REG P-F/AUD			
0101	Prerequisites: SOCY 100, and FMCD 260; or permission of department. TuTh 2:00pm-5:20pm	Bldg MMH, Room 1304	Leslie, L
The development of historical, cultural, developmental, and psychosocial aspects of masculinity and femininity within the context of contemporary families and the implications for interpersonal relations.			
FMCD 431 Family Crises and Intervention 3 credits, Grading Method REG P-F/AUD			
0101	Meets USP Advanced Studies Analysis of Human Problems requirement. Prerequisite: PSYC 100. MW 10:00am-4:20pm	Bldg MMH, Room 0108	Myricks, N
0201	TuTh 2:30pm-5:50pm	Bldg MMH, Room 1304	Zeiger, R
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.			
FMCD 441 Personal and Family Finance 3 credits, Grading Method REG P-F/AUD			
0101	Prerequisites: ECON 201, or ECON 205; or permission of department. MW 9:30am-11:20am	Bldg MMH, Room 1304	Churaman, C
Study of individual and family financial strategies with particular emphasis upon financial planning, savings, insurance, investments, income taxes, housing, and use of credit.			

FMCD continued

FMCD 460	Violence in the Family 3 credits, Grading Method REG P-F AUD Prerequisite: PSYC 100 or SOCY 105 or FMCD 487		
0101	TuTh 1:00pm-4:20pm Bldg. MMH, Room 0108 Anderson, E		
	Theories of child, spousal, parental, grandparental abuse in the family setting; review of current evidence; and an introduction to methods for prevention and remediation.		
FMCD 487	The Child and the Law 3 credits, Grading Method REG P-F AUD Meets USP Advanced Studies Analysis of Human Problems requirement		
0101	MW 9:30am-12:50pm Bldg. MMH, Room 3418 Myrnes, N		
	Explains an attorney's legal rights with emphasis on the rights of children in the juvenile justice system, and rights to medical, educational, and other social services.		
FMCD 610	Research Methods for Family and Community Development 3 credits, Grading Method REG AUD Prerequisite: satisfactory completion of department competency examination in statistics or an approved statistics course		
0101	TuTh 9:00am-12:50pm Bldg. MMH, Room 1200 Anderson, E		
	Research methods in the family and community development field. The role of theory, use of qualitative versus quantitative techniques, and differences between objective and subjective measurements. Emphasis on the logic and assumptions of research rather than specific techniques.		
FMCD 689	Internship in Family and Community Development 3-6 credits, Grading Method REG AUD Permission of department required		
0101	Time Arranged Room Arranged Rubin, R		
0201	Time Arranged Room Arranged Rubin, R		
	Internship related to student's chosen specialization.		
FMCD 698	Advanced Topics in Family and Community Development 1-3 credits, Grading Method REG AUD Permission of department required		
0101	Time Arranged Room Arranged Rubin, R		
0201	Time Arranged Room Arranged Rubin, R		
FMCD 698G	Advanced Topics in Family and Community Development: Gender and Ethnicity Issues 1-3 credits, Grading Method REG AUD Prerequisite: FMCD 485		
0101	TuTh 2:00pm-5:20pm Bldg. MMH, Room 1206 Leslie, L		
FMCD 698L	Advanced Topics in Family and Community Development: Violence in the Family 3 credits, Grading Method REG AUD		
0101	TuTh 1:00pm-4:20pm Bldg. MMH, Room C108 Anderson, E		
FMCD 799	Master's Thesis Research 1-6 credits, Grading Method REG		
0101	Time Arranged Room Arranged Staff		
0201	Time Arranged Room Arranged Staff		

FOOD

FOOD (HUMAN ECOLOGY)

FOOD 110	Food for People 3 credits, Grading Method REG P-F AUD Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement		
0101	MTuWThF 11:00am-12:20pm Bldg. MMH, Room 1400 Staff		
	A study of food in contemporary living. Economic, social, cultural and aesthetic implications of food. Selection of a food in relation to its habits, and well-being of the individual.		
FOOD 498	Selected Topics 1-3 credits, Grading Method REG P-F AUD		
0101	Time Arranged Room Arranged Staff		
FOOD 789	Non-Thesis Research 1-3 credits, Grading Method S-F		
0101	Time Arranged Room Arranged Staff		
0201	Time Arranged Room Arranged Staff		
FOOD 799	Master's Thesis Research 1-6 credits, Grading Method REG		
0101	Time Arranged Room Arranged Staff		
0201	Time Arranged Room Arranged Staff		
FOOD 899	Doctoral Dissertation Research 1-8 credits, Grading Method REG		
0101	Time Arranged Room Arranged Staff		
0201	Time Arranged Room Arranged Staff		

FREN

FRENCH (ARTS AND HUMANITIES)

FREN 101	Elementary French 4 credits, Grading Method REG P-F AUD Meets USP Distributive Studies (A) Cultural and Historical requirement. Not open to students with 2 or more years of high-school level French		
0101	MTuWThF 9:00am-11:00am Bldg. JMZ, Room 2120 Black, C		
0102	MTuWThF 7:00pm-9:00pm Bldg. JMZ, Room 3118 Staff		
0201	MWF 9:30am-12:50pm Bldg. JMZ, Room 3118 Dematre, A		
	Introduction to basic structures and pronunciation with emphasis on the four skills: listening, speaking, reading and writing.		
FREN 102	Elementary French 4 credits, Grading Method REG P-F AUD Meets USP Distributive Studies (A) Cultural and Historical requirement. Prerequisite: FREN 101 at UMCP or permission of department		
0101	MTuWThF 9:30am-11:30am Bldg. JMZ, Room 1224 Ancekevich, E		
0201	MTuWThF 8:00am-10:00am Bldg. JMZ, Room 0122 Staff		
	Further work on basic structures, and pronunciation with emphasis on the four skills: listening, speaking, reading and writing.		
FREN 103	Review of Elementary French 4 credits, Grading Method REG P-F AUD Meets USP Distributive Studies (A) Cultural and Historical requirement. Limited to students who have had at least two years of high-school French or equivalent or who do not qualify for FREN 104. Credit will be granted for only one of the following: FREN 101 or FREN 102 or FREN 103		
0101	MTuWThF 10:00am-12:00pm Bldg. JMZ, Room 2123 Staff		
0201	MTuWThF 10:00am-12:00pm Bldg. JMZ, Room 3120 Staff		
FREN 203	Intermediate French 4 credits, Grading Method REG P-F AUD Meets USP Distributive Studies (A) Cultural and Historical requirement. Limited to students who have had no more than 3 years of high school French		
0101	MTuWThF 9:30am-11:30am Bldg. JMZ, Room 3120 Staff		
0102	MTuWThF 9:30am-11:30am Bldg. JMZ, Room 0118 Staff		
0201	MTuWThF 8:00am-10:00am Bldg. JMZ, Room 2123 Staff		
	Completion of the study of basic grammatical structures, with readings, conversation, and composition. Focus: the Arts and Humanities language requirement.		
FREN 204	Review Grammar and Composition 3 credits, Grading Method REG P-F AUD Prerequisite: FREN 203 or permission of department		
0101	Meets JUN 24 to JUL 13 Bldg. JMZ, Room 3118 Verdaguer, P		
	An intensive review of major aspects of contemporary grammatical usage, training in comprehension and guided composition.		
FREN 211	Intermediate Conversation 3 credits, Grading Method REG P-F AUD Not open to native speakers. Prerequisite: FREN 203 or permission of department		
0101	Meets JUN 25 to JUL 13 Bldg. JMZ, Room 3120 Fink, B		
	Practice in spoken French with emphasis on contemporary French topics.		

FREN continued

FREN 250	Readings in French 3 credits, Grading Method REG P-F AUD Meets USP Distributive Studies (C) Literature and the Arts requirement. Prerequisite: FREN 203 or equivalent		
0101	Meets JUN 14 to JUL 13 TuWTh 1:00pm-3:30pm Bldg. JMZ, Room 2207 Staff		
	Selected readings from various genres in French literature. Discussion and brief written reports in French.		
FREN 301	Composition and Style 3 credits, Grading Method REG P-F AUD Prerequisite: FREN 204 or permission of department		
0101	Meets JUN 4 to JUL 13 TuWTh 1:00pm-3:30pm Bldg. JMZ, Room 1226 Verdaguer, P		
	Grammatical analysis; translation; free and guided composition.		
FREN 312	French Conversation: Current Cultural Events 3 credits, Grading Method REG P-F AUD Meets USP Distributive Studies (A) Cultural and Historical requirement. Not open to native speakers of French		
0101	Meets JUN 25 to JUL 13 MTuWThF 1:00pm-4:00pm Bldg. JMZ, Room 3120 Fink, B		
	Emphasis on speaking and intonation practice, with vocabulary to the level of the contemporary French press.		
FREN 386	Field Work 1-3 credits, Grading Method REG P-F AUD Permission of department required		
0101	Time Arranged Room Arranged Staff		
0201	Time Arranged Room Arranged Staff		
FREN 387	Field Work Analysis 1-3 credits, Grading Method REG P-F AUD Permission of department required. Prerequisite: FREN 386		
0101	Time Arranged Room Arranged Staff		
0201	Time Arranged Room Arranged Staff		
FREN 399	Directed Study in French 1-3 credits, Grading Method S-F Permission of department required		
0101	Time Arranged Room Arranged Staff		
0201	Time Arranged Room Arranged Staff		
FREN 404	Advanced Conversation in French 3 credits, Grading Method REG P-F AUD Prerequisite: FREN 311 or FREN 312 or permission of department		
0101	Meets JUN 25 to JUL 13 MTuWThF 1:00pm-4:00pm Bldg. JMZ, Room 3120 Fink, B		
	Development of fluency in French; stress on correct sentence structure and idiomatic expression.		
FREN 473	Contemporary French Society 3 credits, Grading Method REG P-F AUD		
0101	Meets JUN 25 to JUL 13 MTuWThF 9:00am-12:00pm Bldg. JMZ, Room 3118 Verdaguer, P		
	The forces shaping contemporary France: Analysis of social groups, economic development, institutions, political structures. Lectures, discussions and most readings in French.		
FREN 798	Master's Independent Study 1-3 credits, Grading Method REG AUD		
0101	Time Arranged Room Arranged Staff		
0201	Time Arranged Room Arranged Staff		
FREN 799	Master's Thesis Research 1-6 credits, Grading Method REG		
0101	Time Arranged Room Arranged Staff		
0201	Time Arranged Room Arranged Staff		
FREN 898	Doctoral Independent Study 3 credits, Grading Method REG AUD		
0101	Time Arranged Room Arranged Staff		
0201	Time Arranged Room Arranged Staff		
FREN 899	Doctoral Dissertation Research 1-3 credits, Grading Method REG		
0101	Time Arranged Room Arranged Staff		
0201	Time Arranged Room Arranged Staff		

FSAD

FOODSERVICE ADMINISTRATION (HUMAN ECOLOGY)

FSAD 789	Non-Thesis Research 1-3 credits, Grading Method S-F		
0101	Time Arranged Room Arranged Staff		
0201	Time Arranged Room Arranged Staff		
FSAD 799	Master's Thesis Research 1-6 credits, Grading Method REG		
0101	Time Arranged Room Arranged Staff		
0201	Time Arranged Room Arranged Staff		
FSAD 899	Doctoral Dissertation Research 1-8 credits, Grading Method REG		
0101	Time Arranged Room Arranged Staff		
0201	Time Arranged Room Arranged Staff		

GEOG

GEOGRAPHY (BEHAVIORAL AND SOCIAL SCIENCES)

GEOG 100	Introduction to Geography 3 credits, Grading Method REG Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement.		
0101	MW 7:00pm-10:00pm Bldg. LEF, Room 1201 Cirincione, J		
	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.		
GEOG 202	The World in Cultural Perspective 3 credits, Grading Method REG P-F AUD Meets USP Distributive Studies (A) Cultural and Historical requirement		
0101	TuTh 9:30am-12:30pm Bldg. LEF, Room 1201 Mitchell, R		
	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.		
GEOG 203	Economic Geography 3 credits, Grading Method REG P-F AUD Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement		
0101	TuTh 2:00pm-5:00pm Bldg. LEF, Room 1220 Brodsky, H		
	The spatial characteristics of world and regional economic activities. Population patterns, technology and economic development; principles of spatial interactions in trade, transportation networks; the city as an employment, manufacturing, and location of industries and services; the production and trade of agricultural and energy products.		
GEOG 298	Special Topics in Geography: Geography of Israel 3 credits, Grading Method REG P-F		
0101	TuTh 12:30pm-3:30pm Bldg. JMZ, Room 1224 Kellerman, A		
GEOG 324	Europe 3 credits, Grading Method REG P-F AUD Meets USP Distributive Studies (A) Cultural and Historical requirement.		
0101	MW 4:00pm-7:00pm Bldg. LEF, Room 1221 Cebran, J		
	The geographical diversity of modern Europe from landscape and regional perspectives. The diverse features of Europe's physical and human resources; basic, and their integration into the demographic, economic, social and political patterns of the continent's major geographic regions.		
GEOG 350	The American City: Past and Present 3 credits, Grading Method REG P-F AUD		
0101	MW 9:30am-12:30pm Bldg. LEF, Room 1222 Groves, P		
	Development of the American cities 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.		

GEOG continued

GEOG 384 Internship in Geography 3 credits. Grading Method: REG-P-F/AUD			
Permission of department required. Prerequisite: GEOG 305, and GEOG 310; and permission of department. Corequisite: GEOG 384			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
Supervised field experience to provide career experience. Includes 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.			
GEOG 385 Internship Research Paper 3 credits. Grading Method: REG-P-F/AUD			
Permission of department required. Prerequisite: GEOG 305, and GEOG 310, and permission of department. Corequisite: GEOG 384			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
Seminar conducted on campus. Research paper related to the student's internship.			
GEOG 498 Topical Investigations 1-3 credits. Grading Method: REG-P-F/AUD			
Permission of department required.			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
GEOG 498M Topical Investigations: Maps as Source Materials: Availability and Acquisition 3 credits. Grading Method: REG-P-F/AUD			
Permission of department required.			
0101	TuTh 5:00pm-6:00pm	Blg LEF, Room 1210	Modelski, A
This course will investigate, analyze and compare map sources and types along with their availability. Acquisition programs and policies dealing with public and private map sources will be investigated. Special attention will be given to developing special purpose map collections and their classification.			
GEOG 788 Selected Topics in Geography 1-3 credits. Grading Method: REG/AUD			
Permission of department required.			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
GEOG 789 Independent Readings 1-3 credits. Grading Method: REG/AUD			
Permission of department required. Contact department to make arrangements.			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
GEOG 790 Internship in Geography 3 credits. Grading Method: REG/AUD			
Permission of department required. Contact department to make arrangements.			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
Field experience in the student's specialty in a federal, state, or local agency or private business. Research paper required.			
GEOG 799 Master's Thesis Research 1-6 credits. Grading Method: REG			
Permission of department required.			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
GEOG 899 Doctoral Dissertation Research 1-8 credits. Grading Method: REG			
Permission of department required.			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

GEOLOGY

(COMPUTER, MATHEMATICAL AND PHYSICAL SCIENCES)

GEOLOG 100 Physical Geology 3 credits. Grading Method: REG-P-F/AUD			
Credit will be granted for only one of the following: GEOLOG 100 or GEOLOG 101. Course meets University Studies Program Distributive Studies non-lab science and mathematics requirement. If taken with GEOLOG 110, course may be counted as lab science requirement.			
0101	MtUWTF 9:30am-10:50am	Blgd GEO, Room 1120	Segovia A
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.			
GEOLOG 110 Physical Geology Laboratory 1 credit. Grading Method: REG-P-F/AUD			
Pre- or corequisite: GEOLOG 100 or GEOLOG 101			
0101	MWF 11:00am-1:00pm	Blgd GEO, Room 1120 (LAB)	Staff
The basic materials and tools of physical geology stressing familiarization with rocks and minerals and the use of maps in geologic interpretations.			
GEOLOG 499 Special Problems in Geography 1-3 credits. Grading Method: REG-P-F/AUD			
Permission of department required.			
0101	Time Arranged	Room Arranged	Staff
GEOLOG 799 Master's Thesis Research 1-4 credits. Grading Method: REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
GEOLOG 899 Doctoral Dissertation Research 1-8 credits. Grading Method: REG-S/F			
0101	Time Arranged	Room Arranged	Staff

GERM

GERMAN
(ARTS AND HUMANITIES)

GERM 101 Elementary German I 4 credits. Grading Method: REG-P-F/AUD			
Meets USP Distributive Studies (A) Cultural and Historical requirement.			
0101	MtUWTh 9:30am-12:20pm	Blgd JIMZ, Room 3202	Strauch, G
0201	MtUWTh 9:30am-12:20pm	Blgd JIMZ, Room 3203	Staff
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.			
GERM 102 Elementary German II 4 credits. Grading Method: REG-P-F/AUD			
Meets USP Distributive Studies (A) Cultural and Historical requirement. Prerequisite: GERM 101 or equivalent.			
0201	MtUWTh 9:30am-12:20pm	Blgd JIMZ, Room 3205	Staff
A continuation of GERM 101, completing the introduction of basic structures and continuing the involvement with the civilization of the German-speaking world.			
GERM 104 Intermediate German 4 credits. Grading Method: REG-P-F/AUD			
Meets USP Distributive Studies (A) Cultural and Historical requirement. Prerequisite: GERM 102 or GERM 103 or equivalent.			
0101	MtUWTh 9:30am-12:20pm	Blgd JIMZ, Room 3203	Staff
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.			
GERM 301 Conversation and Composition I 3 credits. Grading Method: REG-P-F/AUD			
Prerequisite: GERM 115 or equivalent.			
0101	MtUTh 9:30am-12:20pm	Blgd JIMZ, Room 1211	Fagan, S
Practice in contemporary spoken and written German. Systematic review of grammar, and exercise in composition. Emphasis on cultural contrasts.			
GERM 302 Conversation and Composition II 3 credits. Grading Method: REG-P-F/AUD			
Prerequisite: GERM 301 or equivalent.			
0201	MtUTh 9:30am-12:20pm	Blgd JIMZ, Room 0125	Staff
Continuation of GERM 301.			

GERM continued

GERM 401 Advanced Conversation 3 credits. Grading Method: REG-P-F/AUD			
Prerequisite: GERM 302 or equivalent.			
0101	MtUTh 9:30am-12:20pm	Blgd JIMZ, Room 0120	Becken, P
Development of fluency in spoken German. Discussion of contemporary issues.			
GERM 415 German English Translation I 3 credits. Grading Method: REG-P-F/AUD			
Not open to students who have completed GERM 111/GERM 115 and/or GERM 301/GERM 302.			
0101	MtUTh 9:00am-6:00pm	Blgd JIMZ, Room 0208	Staff
An intensive presentation of German grammar limited exclusively to reading skill; graded readings in the arts and sciences. Instruction in English; can not be used to satisfy the arts and humanities foreign language requirement.			
GERM 416 German English Translation II 3 credits. Grading Method: REG-P-F/AUD			
Prerequisite: GERM 302 and GERM 415 or equivalent.			
0201	MtUTh 4:00pm-6:00pm	Blgd JIMZ, Room 3205	Fagan, S
Written translation of materials from the student's field of study. Discussion of basic problems of the German-to-English translation, with examples from students' projects. Instruction in English. Cannot be used to satisfy the arts and humanities foreign language requirement.			
GERM 499 Directed Study: Directed Study in German 1-3 credits. Grading Method: REG/AUD			
0101	Time Arranged	Room Arranged	Plister, G
0201	Time Arranged	Room Arranged	Plister, G
GERM 632 The German Novelle 3 credits. Grading Method: REG/AUD			
0201	MtUTh 9:00am-12:20pm	Blgd JIMZ, Room 0118	Strauch, G
Study of the development of the genre from the 18th century to the present.			
GERM 798 Master's Independent Study 1-3 credits. Grading Method: REG/AUD			
0101	MtUWTh 9:00am-7:00pm	Blgd JIMZ, Room 3205	Plister, G
0201	Time Arranged	Room Arranged	Plister, G
GERM 798T Master's Independent Study: Theoretical Aspects of Culture 3 credits. Grading Method: REG/AUD			
0101	MtUTh 9:00am-12:20pm	Blgd JIMZ, Room 3207	Plister, G
GERM 799 Master's Thesis Research 1-6 credits. Grading Method: REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
GERM 898 Doctoral Independent Study 1-3 credits. Grading Method: REG/AUD			
0101	Time Arranged	Room Arranged	Plister, G
0201	Time Arranged	Room Arranged	Plister, G
GERM 899 Doctoral Dissertation Research 1-8 credits. Grading Method: REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

GVPT

GOVERNMENT AND POLITICS
(BEHAVIORAL AND SOCIAL SCIENCES)

GVPT 100 Principles of Government and Politics 3 credits. Grading Method: REG-P-F/AUD			
Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement.			
0101	MW 9:30am-12:30pm	Blgd LEF, Room 2166	Staff
0201	TuTh 9:30am-12:30pm	Blgd LEF, Room 2166	Staff
A study of the basic principles and concepts of political science.			
GVPT 170 American Government 3 credits. Grading Method: REG-P-F/AUD			
Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement.			
0101	TuTh 9:30am-12:30pm	Blgd LEF, Room 2166	Staff
0201	MW 12:30pm-3:30pm	Blgd LEF, Room 2208	Staff
A comprehensive study of national government in the United States-national, state and local.			
GVPT 210 Introduction to Public Administration and Policy 3 credits. Grading Method: REG-P-F/AUD			
0101	MW 1:30pm-4:30pm	Blgd LEF, Room 2208	Vietri, L
An introduction to the study of the administrative process in the executive branch with an examination of the concepts and principles of administration and their relationship to public policy. The organizational structure, theory and the behavior of participants in the administration of policy.			
GVPT 231 Law and Society 3 credits. Grading Method: REG-P-F/AUD			
0201	MW 3:00pm-6:00pm	Blgd LEF, Room 1201	Staff
A study of the basis of law and its relationship with various contemporary institutions such as the courts, the legal profession, and society at large.			
GVPT 240 Political Ideologies 3 credits. Grading Method: REG-P-F/AUD			
Meets USP Distributive Studies (A) Cultural and Historical requirement.			
0201	MW 9:30am-12:30pm	Blgd LEF, Room 2208	Staff
A survey and analysis of the leading ideologies of the modern world, including anarchism, communism, socialism, fascism, nationalism, and democracy.			
GVPT 300 International Political Relations 3 credits. Grading Method: REG-P-F/AUD			
Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement.			
0101	MW 12:30pm-3:30pm	Blgd LEF, Room 1201	Hsueh, C
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. This course may be used to satisfy, in part, the social science requirement in general education program.			
GVPT 376 Applied Field Research in Government and Politics 6 credits. Grading Method: REG-P-F/AUD			
Course requires concurrent registration in GVPT 377 for a combined total of 9 credits.			
0101	Time Arranged	Room Arranged	Lanning, E
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 advisor, students conduct a major research project of mutual interest to the student and his/her agency in the field of government and politics.			
GVPT 377 Seminar For Academic Interns 3 credits. Grading Method: REG-P-F/AUD			
Course requires concurrent registration in GVPT 376 for a combined total of 9 credits. See course description under GVPT 376.			
0101	W 3:30pm-6:30pm	Blgd LEF, Room 2188H	Lanning, E
The application of major concepts of political science to the realities of the political process. Readings and discussions attempt to relate the experiences of the academic interns to appropriate literature on the subject of political decision-making.			
GVPT 386 Field Work I 3 credits. Grading Method: REG-P-F/AUD			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
GVPT 387 Field Work Analysis I 3 credits. Grading Method: REG-P-F/AUD			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
GVPT 388 Topical Investigations 3 credits. Grading Method: REG-P-F/AUD			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

GVPT continued

GVPT 388A Topical Investigations: Analysis of Concepts and Filmm Images
3 credits. Grading Method REG P-F-AUD
 Requires concurrent registration in GVPT 399A for a combined total of 6 credits. See course description under GVPT 399A

0101 Meets JUN 4 to JUN 20
 MTuWThF 1:30pm-4:30pm Bldg JIMZ, Room 0220 Glass, J

GVPT 396 Introduction to Political Research *3 credits. Grading Method REG P-F-AUD*
 Time Arranged Room Arranged Staff
 0201 Time Arranged Room Arranged Staff
 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. GVPT 396 should normally be taken in the junior year.

GVPT 397 Honors Research *3 credits. Grading Method REG P-F-AUD*
 0101 Time Arranged Room Arranged Staff
 0201 Time Arranged Room Arranged Staff
 Prerequisite: admission to GVPT honors program and GVPT 396. Individual reading and research. Preparation of an original paper.

GVPT 399A Seminar in Government and Politics: Films and the Politics of the Family
3 credits. Grading Method REG P-F-AUD
 Requires concurrent registration in GVPT 388A for a total of 6 credits
 0101 Meets JUN 4 to JUN 20
 Time Arranged Room Arranged Glass, J
 Survey of films to understand nature and structure of politics of the family. Emphasis on families and anti-families, the structure of kinlessness, despot, potentiality, and the politics implicit in these emotional realities.

GVPT 399B Seminar in Government and Politics: Vietnam Legacies in Film
3 credits. Grading Method REG P-F-AUD
 0101 MW 9:00am-12:30pm Bldg HEK, Room 4205 Vein, L

GVPT 399E Seminar in Government and Politics: International Political Economy
3 credits. Grading Method REG P-F-AUD
 0101 TuTh 12:30pm-3:00pm Bldg LEF, Room 1201 Hauller, V

GVPT 401 Problems of World Politics *3 credits. Grading Method REG P-F-AUD*
 0101 MW 12:30pm-3:00pm Bldg LEF, Room 1221 Kaminski, B
 Prerequisite: GVPT 120. A study of governmental problems of international scope, such as causes of war, problems of neutrality, and propaganda. Students are required to report on readings from current literature.

GVPT 442 History of Political Theory--Medieval to Recent
3 credits. Grading Method REG P-F-AUD
 Meets USP Advanced Studies Development of Knowledge requirement Prerequisite: GVPT 100
 0101 Tu 1:30pm-4:30pm Bldg LEF, Room 2166 Terchek, R
 A survey of the principal theorists set forth in the works of writers from Machiavelli to J. S. Mill.

GVPT 457 American Foreign Relations *3 credits. Grading Method REG P-F-AUD*
 Meets USP Advanced Studies Analysis of Human Problems requirement
 0201 TuTh 9:30am-12:30pm Bldg LEF, Room 2208 McNelly, T
 Prerequisite: GVPT 120. The principles and practice of the conduct of America, an foreign relations, with emphasis on the department of state and the foreign service, and an analysis of the major foreign policies of the United States.

GVPT 622 Quantitative Methods For Political Science *3 credits. Grading Method REG A/D*
 0201 MW 3:00pm-6:00pm Bldg LEF, Room 1222 Swistak, P
 Introduction to quantitative methods of data analysis, with emphasis on statistical methods and computer usage. Measures of association, probability, correlation, linear regression estimation techniques, introductory analysis of variance, and use of package computer programs.

GVPT 741 Political Theory *3 credits. Grading Method REG A/D*
 0201 MW 6:30pm-9:00pm Bldg LEF, Room 2123 Alford, C
 A graduate level introduction to the history of political philosophy and political theory.

GVPT 799 Master's Thesis Research *1-6 credits. Grading Method REG*
 0101 Time Arranged Room Arranged Staff
 0201 Time Arranged Room Arranged Staff

GVPT 844 American Political Theory *3 credits. Grading Method REG A/D*
 0101 TuTh 6:30pm-9:30pm Bldg LEF, Room 1220 Terchek, R
 Prerequisite: GVPT 444. Analytical and historical examination of selected topics in American political thought.

GVPT 862 Seminar On Intergovernmental Relations *3 credits. Grading Method REG A/D*
 0201 TuTh 3:00pm-6:00pm Bldg LEF, Room 2138H Reeves, M
 Reports on topics assigned for individual study and reading in the field of recent intergovernmental relations.

GVPT 873 Seminar in Legislatures and Legislation *3 credits. Grading Method REG A/D*
 0101 MW 6:30pm-9:30pm Bldg LEF, Room 2138H Uslander, E
 Reports on topics assigned for individual study and reading about the composition and organization of legislatures and about the legislative process.

GVPT 898 Readings in Government and Politics *3 credits. Grading Method REG A/D*
 0101 Time Arranged Room Arranged Staff
 0201 Time Arranged Room Arranged Staff

GVPT 899 Doctoral Dissertation Research *1-3 credits. Grading Method REG*
 0101 Time Arranged Room Arranged Staff
 0201 Time Arranged Room Arranged Staff

HEBR

HEBREW (ARTS AND HUMANITIES)

HEBR 111 Elementary Hebrew I *6 credits. Grading Method REG P-F-AUD*
 Meets USP Distributive Studies (A) Cultural and Historical requirement
 0101 MTuWThF 9:00am-11:30am Bldg JIMZ, Room 2206 Liberman, E
 Modern Hebrew. Emphasis on conversation. Study of linguistic structure and development of audio-lingual, writing and reading ability.

HEBR 112 Elementary Hebrew II *6 credits. Grading Method REG P-F-AUD*
 Meets USP Distributive Studies (A) Cultural and Historical requirement Prerequisite: HEBR 111 or equivalent
 0201 MTuWThF 9:00am-11:30am Bldg JIMZ, Room 2206 Liberman, E
 Continuation of HEBR 111

HEBR 298G Special Topics in Jewish Studies: Geography of Israel *3 credits. Grading Method REG P-F*
 0101 TuTh 12:30pm-3:30pm Bldg JIMZ, Room 1224 Kellerman, A

HESP

HEARING AND SPEECH SCIENCES (BEHAVIORAL AND SOCIAL SCIENCES)

HESP 120 Introduction to Linguistics *3 credits. Grading Method REG P-F-AUD*
 Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement.
 0101 MTuWThF 9:00am-9:20am Bldg LEF, Room 0135 Staff
 An introduction to the scientific study of natural language with focus on the basic concepts of phonology, syntax, semantics and pragmatics, with subsequent attention to the applied aspects of linguistic principles.

HESP continued

HESP 202 Introduction to Hearing and Speech Sciences
3 credits. Grading Method REG P-F-AUD
 0101 MTuWThF 9:30am-10:50am Bldg LEF, Room 0135 Darnel, M
 Introduction to phonetics, the physiological bases of speech production and reception, and the physics of sound.

HESP 305 Anatomy and Physiology of the Speech Mechanism
3 credits. Grading Method REG P-F-AUD
 Meets USP Distributive Studies (B) Natural Sciences and Mathematics requirement Prerequisite: HESP 202
 0101 MTuWThF 11:00am-12:20pm Bldg LEF, Room 0135 Staff
 Anatomy, physiology, and neurology of speech mechanism.

HESP 400 Speech and Language Development in Children
3 credits. Grading Method REG P-F-AUD
 Prerequisite: HESP 300
 0101 MW 12:30pm-3:30pm Bldg LEF, Room 0135 Roth, F
 Analysis of the normal processes of speech and language development in children.

HESP 438 Seminar: Special Issues in Early Childhood Special Education: Nature and Clinical Management of Dysphagia
3 credits. Grading Method REG P-F-AUD
 0201 Meets JUL 16 to AUG 3
 Time Arranged Bldg LEF, Room 0135 Staff
 Room Arranged (LAB)

HESP 499 Independent Study: Topics in Hearing and Speech Sciences *1-3 credits. Grading Method REG P-F-AUD*
 0101 Time Arranged Room Arranged Staff
 0201 Time Arranged Room Arranged Staff

HESP 610 Aphasia *3 credits. Grading Method REG A/D*
 0101 TuTh 12:30pm-3:30pm Bldg LEF, Room 0135 Grant, S
 Language problems of adults associated with memory.

HESP 638 Research Practicum *1-3 credits. Grading Method REG A/D*
 0101 Time Arranged Room Arranged Staff
 0201 Time Arranged Room Arranged Staff
 Roth, F

HESP 639 Special Topics in Hearing and Speech Sciences: Nature and Clinical Management of Dysphagia
3 credits. Grading Method REG A/D
 0201 Meets JUL 16 to AUG 3
 Time Arranged Bldg LEF, Room 0135 Staff
 Room Arranged (LAB)

HESP 648 Clinical Practice in Speech *2 credits. Grading Method REG A/D*
 Permission of department required
 0101 Time Arranged Room Arranged Cuyjet, C

HESP 649 Clinical Practice in Audiology *1-3 credits. Grading Method REG A/D*
 Permission of department required
 0101 Time Arranged Room Arranged Smallees-Palmer, S

HESP 708 Independent Study *1-6 credits. Grading Method REG A/D*
 0101 Time Arranged Room Arranged Staff
 0201 Time Arranged Room Arranged Staff

HESP 710 Industrial and Environmental Noise Problems
3 credits. Grading Method REG A/D
 Prerequisite: permission of instructor
 0101 MW 12:30pm-3:30pm Bldg LEF, Room 0104A Gordon-Salant, S
 Evaluation and control of noise hazards. Effects of noise on man. Medical-legal aspects of noise-induced hearing impairment.

HESP 729 Advanced Clinical Practice in Audiology: Advanced Clinical Practicum
1-8 credits. Grading Method REG A/D
 Permission of department required
 0101 Time Arranged Room Arranged McCabe, M

HESP 799 Master's Thesis Research *1-6 credits. Grading Method REG*
 0101 Time Arranged Room Arranged Staff
 0201 Time Arranged Room Arranged Staff

HESP 899 Doctoral Dissertation Research *1-8 credits. Grading Method REG*
 0101 Time Arranged Room Arranged Staff
 0201 Time Arranged Room Arranged Staff

HIST

HISTORY (ARTS AND HUMANITIES)

HIST 111 The Medieval World *3 credits. Grading Method REG P-F-AUD*
 Meets USP Distributive Studies (A) Cultural and Historical requirement Formerly HIST 131
 0201 MTuWThF 12:30pm-1:50pm Bldg KEY, Room 0103 Schara, W
 The development of Europe in the Middle Ages, the role of religious values in shaping new social, economic, and political institutions, medieval literature, art and architecture.

HIST 113 Modern Europe: 1789 - Present *3 credits. Grading Method REG P-F-AUD*
 Meets USP Distributive Studies (A) Cultural and Historical requirement Formerly HIST 133
 0201 MTuWThF 11:00am-12:20pm Bldg KEY, Room 1117 Harris, J
 Evolution of modern nation states. Industrial-economic structure and demography. Emergence of modern secular society.

HIST 156 History of the United States to 1865 *3 credits. Grading Method REG P-F-AUD*
 Meets USP Distributive Studies (A) Cultural and Historical requirement
 0101 MTuWThF 8:00am-9:20am Bldg KEY, Room 1117 Bradbury, M
 0201 MTuWThF 8:00am-9:20am Bldg KEY, Room 1117
 The United States from colonial times to the end of the Civil War. Establishment and development of American institutions.

HIST 157 History of the United States Since 1865 *3 credits. Grading Method REG P-F-AUD*
 Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement.
 0101 MTuWThF 9:30am-10:50am Bldg KEY, Room 0103 Durrill, W
 0201 MTuWThF 12:30pm-1:50pm Bldg KEY, Room 1117 Moss Jr., A
 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.

HIST 211 Women in America Since 1880 *3 credits. Grading Method REG P-F-AUD*
 Meets USP Distributive Studies (A) Cultural and Historical requirement
 0101 MTuWThF 11:00am-12:20pm Bldg KEY, Room 0117 Gulickson, G
 An examination of women's changing roles in working class and middle class families, the effects of industrialization on women's economic activities and status, and women's involvement in political and social struggles including those for women's rights, birth control, and civil rights.

HIST 237 Russian Civilization *3 credits. Grading Method REG P-F-AUD*
 Meets USP Distributive Studies (A) Cultural and Historical requirement.
 0101 MTuWThF 12:30pm-1:50pm Bldg KEY, Room 1117 Majeska, G
 An overview of Russian history stressing the main lines of development of the Russian state and the evolution of Russian culture to the present day.

HIST continued

HIST 312A Crisis and Change in the United States: The Changing Urban Scene 3 credits. <i>Grading Method: REG/P-F/AUD</i>			
Meets USP Advanced Studies Analysis of Human Problems requirement			
0201	MTuWThF 11:00am-12:20pm	Bldg KEY, Room 0102	Flack, J
This course explores the changing urban scene in the U. S. with emphasis on the effects of urbanization on values, family patterns, intergroup relations, and social structure. Theories about urbanization will be considered in relation to the historical evidence regarding cities at different stages of the national development.			
HIST 337 Europe in the World Setting of the 20th Century 3 credits. <i>Grading Method: REG/P-F/AUD</i>			
0201	MTuWThF 11:00am-12:20pm	Bldg KEY, Room 0103	Kent, G
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.			
HIST 347 History of Crime and Punishment 3 credits. Grading Method: REG/P-F/AUD			
0101	MTuWThF 9:30am-10:50am	Bldg KEY, Room 0120	Cockburn, J
Emphasis on the historical development of law enforcement agencies, criminal jurisdictions and trial procedures. Includes a study of principal felonies and major trends in crime: penal theory and practice in historical perspective.			
HIST 360 American Colonial History 3 credits. Grading Method: REG/P-F/AUD			
0101	MTuWThF 12:30pm-1:50pm	Bldg KEY, Room 0116	McCusker, J
Colonial America from Jamestown to 1763. The establishment of the various colonies with emphasis on the reasons for the instability of colonial society to 1689; the emergence of stable societies after 1689; the development of colonial regionalism, political institutions, social divisions, education, urban and frontier problems in the eighteenth century.			
HIST 363 The Middle Period of American History, 1824-1860 3 credits. <i>Grading Method: REG/P-F/AUD</i>			
0101	MTuWThF 9:00am-9:20am	Bldg KEY, Room 0116	Ridgway, W
An examination of the political history of the United States from Jackson to Lincoln with particular emphasis on the factors producing Jacksonian Democracy, Manifest Destiny, the Whig Party, the anti-slavery movement, the Republican Party, and Secession.			
HIST 398 Honors Thesis 3 credits. Grading Method: REG/P-F/AUD			
Permission of department required			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
HIST 410 Introduction to Archives 1-3 credits. Grading Method: REG/P-F/AUD			
Prerequisite: permission of department Corequisite: HIST 411			
0101	Tu 7:00pm-10:00pm	Bldg KEY, Room 2119	Grimsted, D
Time Arranged			
History of the basic intellectual problems relating to archives and manuscript repositories, emphasis on problems of selection, access, preservation, inventorying and editing as well as the variety of institutions housing documents.			
HIST 411 Introduction to Archives II 3 credits. Grading Method: REG/P-F/AUD			
Prerequisite: permission of department Corequisite: HIST 410			
0101	Time Arranged	Room Arranged	Grimsted, D
Time Arranged			
Practical experience through placement in cooperating archives or manuscript repositories in the Baltimore/Annapolis/Washington, D.C. areas. Assignments to specific projects based on intellectual interest of students.			
HIST 419A Special Topics in History: Field Work in Archaeology and History 3 credits. <i>Grading Method: REG/P-F/AUD</i>			
Permission of department required. Undergraduate students desiring 6 hours credit should register concurrently in HIST 499 section 0101; graduate students desiring 6 hours credit should enroll in HIST 619B, section 0101. Course will be offered in Caesarea Maritima and Rehovot-ba Negev, Israel May 28-June 23 (Caesarea), July 2-August 4 (Rehovot).			
0101	Time Arranged	Room Arranged	Holum, K
HIST 419B Special Topics in History: World War II: A Perspective from Three Countries 3 credits. <i>Grading Method: REG/P-F/AUD</i>			
0101	MTuWThF 9:30am-10:50am	Bldg KEY, Room 0126	Olson, K
HIST 462 The Civil War 3 credits. Grading Method: REG/P-F/AUD			
0201	MTuWThF 9:30am-10:50am	Bldg KEY, Room 1117	Smith, E
A detailed study of historical interpretations, the forces, situations and events that caused the war, the war itself.			
HIST 481 A History of Modern China 3 credits. Grading Method: REG/P-F/AUD			
0201	MTuWThF 9:30am-10:50am	Bldg KEY, Room 0116	Thompson, R
Modern China from 1644 to the People's Republic of China. Emphasis on the coming of the west to China and the various stages of the Chinese reaction.			
HIST 499 Independent Study 1-3 credits. Grading Method: REG/P-F/AUD			
Permission of department required			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
HIST 619A Special Topics in History: Field Work Analysis 3 credits. <i>Grading Method: REG/AUD</i>			
Graduate students desiring 6 hours credit should register concurrently in HIST 619B, section 0101. Course will be offered in Caesarea Maritima, Israel.			
0101	Meets MAY 28 to JUN 23	Room Arranged	Holum, K
HIST 619B Special Topics in History: Independent Study 1-3 credits. <i>Grading Method: REG/AUD</i>			
Permission of department required			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
HIST 799 Master's Thesis Research 1-6 credits. Grading Method: REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
HIST 899 Doctoral Dissertation Research 1-8 credits. Grading Method: REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

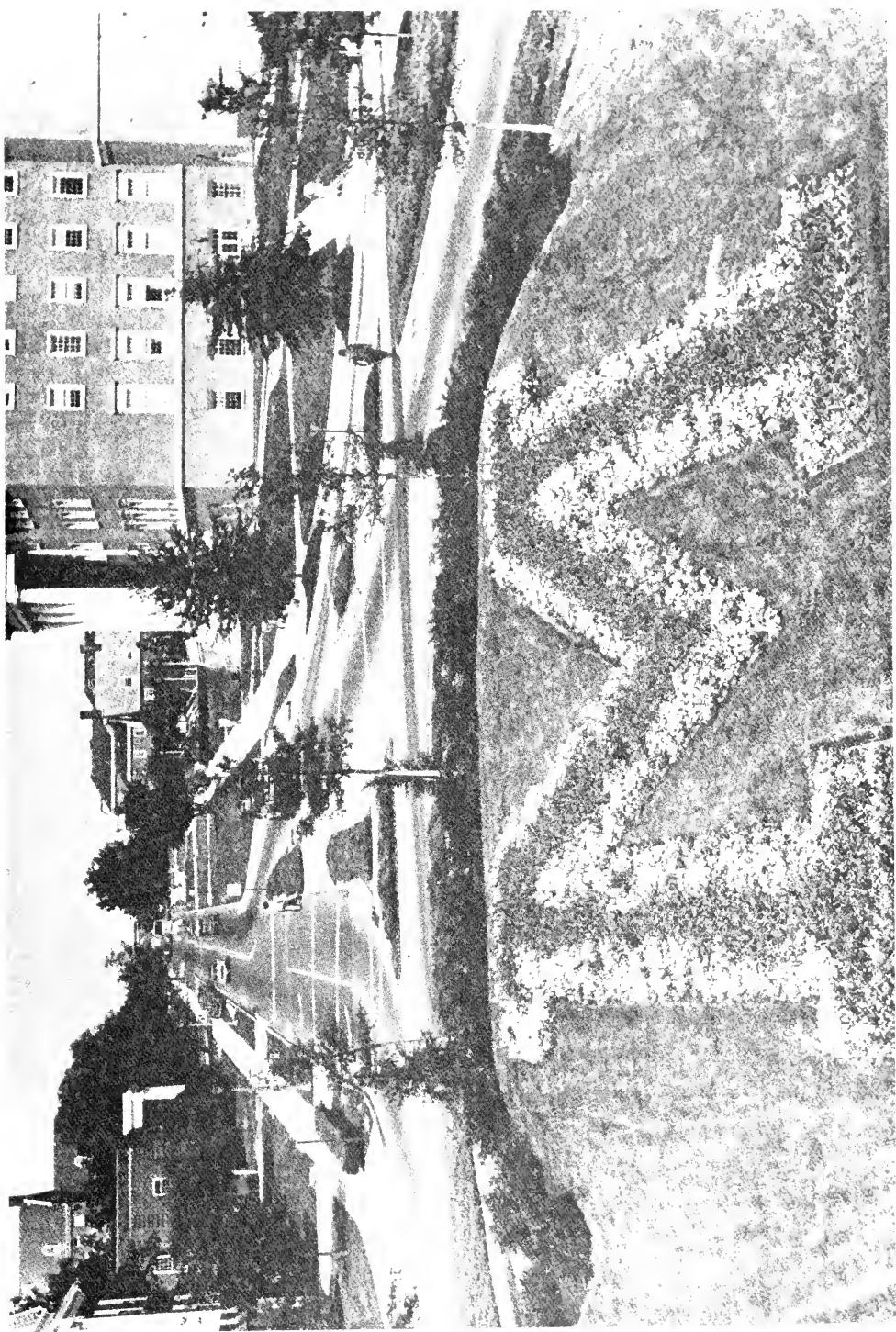
HLTH

HEALTH
(PHYSICAL EDUCATION, RECREATION AND HEALTH)

HLTH 106 Drug Use and Abuse 3 credits. Grading Method: REG/P-F/AUD			
0101	MTuWThF 11:00am-12:20pm	Bldg PRH, Room 0302	Beck, K
0201	MTuWThF 11:00am-12:20pm	Bldg PRH, Room 0303	Miller, C
An interdisciplinary analysis of contemporary drug issues and problems. The course will examine physiological, social, psychological, 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.			
HLTH 140 Personal and Community Health 3 credits. Grading Method: REG/P-F/AUD			
0101	MTuWThF 11:00am-12:20pm	Bldg PRH, Room 0305	Mann, P
0201	MTuWThF 11:00am-12:20pm	Bldg PRH, Room 1301	Hyde, D
Meaning and significance of physical, mental and social health as related to the individual and to society; important phases of national health problems; constructive methods of promoting health of the individual and the community.			

HLTH continued

HLTH 150 First Aid and Emergency Medical Services 6 credits. <i>Grading Method: REG/P-F/AUD</i>			
0101	MTuWTh 8:00am-9:20am	Bldg PRH, Room 0302	Swift, R
0102	MTuWTh 9:30am-10:50am	Bldg PRH, Room 0302	Swift, R
0201	MTuWTh 8:00am-9:20am	Bldg PRH, Room 0302	Swift, R
Lecture, demonstration and training in emergency care, including cardiopulmonary resuscitation, hemorrhage control, shock, poisons and basic injury treatment and childbirth. American Red Cross and Heart Association of Maryland Certification awarded.			
HLTH 230 Introduction to Health Behavior 3 credits. Grading Method: REG/P-F/AUD			
Meets USP Distributive Studies (D) Social and Behavioral Studies requirement.			
0201	MTuWTh 9:30am-10:50am	Bldg PRH, Room 0302	Hyde, D
Psychological, social, psychological, and sociological approaches to the following health areas: development of health attitudes and behavior; patient-provider interaction and the organization of health care.			
HLTH 270 Safety Education 3 credits. Grading Method: REG/P-F/AUD			
0101	MTuWTh 9:30am-10:50am	Bldg PRH, Room 0306	Beck, K
Safety in the home, school and community. Safety education programs in the public schools.			
HLTH 285 Controlling Stress and Tension 3 credits. Grading Method: REG/P-F/AUD			
Meets USP Distributive Studies (D) Social and Behavioral Studies requirement.			
0101	MTuWTh 9:30am-10:50am	Bldg PRH, Room 0302	Greenberg, J
0201	MTuWTh 9:30am-10:50am	Bldg PRH, Room 1301	Allen, R
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.			
HLTH 377 Human Sexuality 3 credits. Grading Method: REG/P-F/AUD			
Students who have received credit for HLTH 477 not eligible			
0101	MTuWTh 11:00am-12:20pm	Bldg PRH, Room 1301	Greenberg, J
0201	MTuWTh 8:00am-9:20am	Bldg PRH, Room 1301	Desmond, S
The biological and developmental aspects of human sexuality; the psychological and emotional aspects of sexual behavior; sexual identity; the societal, religious, 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.			
HLTH 386 Field Work 1-3 credits. Grading Method: REG/P-F/AUD			
Permission of department required			
0101	Time Arranged	Room Arranged	Gold, R
0201	Time Arranged	Room Arranged	Gold, R
HLTH 387 Field Work Analysis 1-3 credits. Grading Method: REG/P-F/AUD			
Permission of department required			
0101	Time Arranged	Room Arranged	Gold, R
0201	Time Arranged	Room Arranged	Gold, R
HLTH 450 Health of Children and Youth 3 credits. Grading Method: REG/P-F/AUD			
0201	MTuWTh 9:30am-10:50am	Bldg PRH, Room 0303	Miller, C
A study of the health of 5 to 18 year olds. Physical, mental, social, and emotional health. Psychosocial development, diet, exercise, growth and maintenance of fitness at all age levels.			
HLTH 455 Physical Fitness of the Individual 3 credits. Grading Method: REG/P-F/AUD			
Students with credit in HLTH 498B are not eligible.			
0101	MTuWTh 9:30am-10:50am	Bldg PRH, Room 0305	Mann, P
Study of major physical fitness problems confronting the adult in modern society. Consideration given to the scientific appraisal, development and maintenance of fitness at all age levels. Obesity, weight reduction, chronic fatigue, posture, and special exercise programs are explored. Open to persons outside the physical education and health fields.			
HLTH 456 Health of the Aging and Aged 3 credits. Grading Method: REG/P-F/AUD			
0201	MW 7:00pm-10:00pm	Bldg PRH, Room 1301	Staff
Psychological, physiological and socio-cultural aspects of aging; nutrition; sexuality; death, dying, and bereavement; self-actualization and creativity; health needs and cries of the aged.			
HLTH 471 Women's Health 3 credits. Grading Method: REG/P-F/AUD			
0101	MTuWTh 12:30pm-1:50pm	Bldg PRH, Room 0302	Alexander, L
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.			
HLTH 476 Death Education 3 credits. Grading Method: REG/P-F/AUD			
Meets USP Advanced Studies Analysis of Human Problems requirement.			
0101	MW 7:00pm-10:00pm	Bldg PRH, Room 1303	Staff
Examination of the genesis and development of present day death attitudes and behavior by use of a multidisciplinary life cycle approach.			
HLTH 489 Field Laboratory Projects and Workshop 1-6 credits. <i>Grading Method: REG/P-F/AUD</i>			
Permission of department required. Contact department to make arrangements.			
0101	Time Arranged	Room Arranged	Gold, R
0201	Time Arranged	Room Arranged	Gold, R
HLTH 498S Special Topics in Health: Sexually Transmitted Diseases 3 credits. <i>Grading Method: REG/P-F/AUD</i>			
0101	MW 4:00pm-7:00pm	Bldg PRH, Room 0302	Alexander, L
HLTH 498T Special Topics in Health: Ways of Knowing About Human Stress and Tension 3 credits. Grading Method: REG/P-F/AUD			
Meets USP Advanced Studies Development of Knowledge requirement. Prerequisite: HLTH 285			
0101	MW 4:00pm-7:00pm	Bldg PRH, Room 1301	Staff
0201	MTuWThF 11:00am-12:20pm	Bldg PRH, Room 0302	Allen, R
HLTH 665 Health Behavior I 3 credits. Grading Method: REG/AUD			
0201	TuTh 4:00pm-7:00pm	Bldg PRH, Room 0303	Desmond, S
The psychological, social, psychological, and sociological theories of health behavior. The relation of health knowledge, beliefs, attitudes, intentions, and behavior to preventive, illness, sick-role, and health utilization behaviors.			
HLTH 688 Special Problems in Health Education 1-6 credits. Grading Method: REG/AUD			
Contact department to make arrangements			
0101	Time Arranged	Room Arranged	Gold, R
0201	Time Arranged	Room Arranged	Gold, R
HLTH 688C Special Problems in Health Education: Advances in Health Communication 3 credits. <i>Grading Method: REG/AUD</i>			
0101	MW 7:00pm-10:00pm	Bldg PRH, Room 0301	Klos, D
HLTH 710 Methods and Techniques of Research 3 credits. Grading Method: REG/AUD			
0101	TuTh 7:00pm-10:00pm	Bldg PRH, Room 0301	Klos, D
HLTH 760 Public Health 3 credits. Grading Method: REG/AUD			
0101	MW 4:00pm-7:00pm	Bldg PRH, Room 0301	Gold, R
HLTH 785 Internship in Health Education 3 credits. Grading Method: REG/AUD			
Prerequisites: [HLTH 665, and HLTH 775, and HLTH 780]; or permission of department			
0101	Time Arranged	Bldg PRH, Room 2387	Gold, R
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.			
HLTH 799 Master's Thesis Research 1-6 credits. Grading Method: REG			
Permission of department required			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff



HLTH continued

HLTH 899	Doctoral Dissertation Research 1-8 credits, Grading Method REG		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

HORT

HORT 160	Introduction to Landscape Architecture 3 credits, Grading Method REG/P-FAUD Meets USF Distributive Studies (C) Literature and the Arts requirement.		
0201	MTuWThF 9:00am-10:50am	Bldg ASV, Room 2309	Hamed, S. Theory and general principles of landscape architecture with their application to public and private areas.
HORT 386	Field Work 1-3 credits, Grading Method REG/P-FAUD Permission of department required		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
HORT 387	Field Work Analysis 1-3 credits, Grading Method REG/P-FAUD Permission of department required		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
HORT 399	Special Problems 2 credits, Grading Method REG/P-FAUD		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
HORT 699	Special Problems in Horticulture 1-3 credits, Grading Method REG/AUD		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
HORT 799	Master's Thesis Research 1-6 credits, Grading Method REG		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
HORT 899	Doctoral Dissertation Research 1-8 credits, Grading Method REG		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

HSAD

HSAD 488A	Selected Topics in Housing and Interior Design: Computer Application in Space Design 3 credits, Grading Method REG/P-FAUD		
0101	Additional lab time to be announced Meets JUN 4 to JUL 13 MW 2:00pm-5:00pm	Bldg MMH, Room 1413A (LAB) Francescato, G	Room Arranged (LAB)
HSAD 488G	Selected Topics in Housing and Interior Design: Computer Imaging 3 credits, Grading Method REG/P-FAUD		
0101	Permission of department required. Additional lab time to be announced. Meets JUN 4 to JUL 26 TuTh 1:00pm-5:30pm	Bldg MMH, Room 1413A (LAB) Gates, J	Room Arranged (LAB)
HSAD 488I	Selected Topics in Housing and Interior Design: Lighting Design 3 credits, Grading Method REG/P-FAUD		
0101	This course is being offered contingent on enrollment. Meets JUN 4 to JUL 26 TuTh 1:00pm-5:30pm	Bldg MMH, Room 1108 (LAB) Hoover, B	
HSAD 499	Individual Study in Housing and/or Interior Design 3 credits, Grading Method REG		
0201	Time Arranged	Room Arranged	Staff

ITAL

ITAL 101	Elementary Italian I 4 credits, Grading Method REG/P-FAUD Meets USF Distributive Studies (A) Cultural and Historical requirement. Credit will be granted for only one of the following: ITAL 101 or ITAL 121		
0201	MTuWThF 8:00am-10:00am	Bldg JMZ, Room 3120	Falvo, G Introduction to basic grammar and vocabulary; written and oral work.

IVSP

IVSP 318	Individual Studies 1-15 credits, Grading Method REG Permission of department required. IVSP majors only		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
IVSP 319	Tutorial Report 1 credit, Grading Method S-F Permission of department required. IVSP majors only		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
IVSP 320	Bachelor's Report 3 credits, Grading Method REG Permission of department required. IVSP majors only		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

Required of students in the Individual Studies Program whose program includes 40% or more of informal educational experience (independent study). Strongly recommended for all students in the program. This paper is to be completed in the student's final semester and approved by the tutor and committee prior to certification for the degree.

JAPN

JAPN 101	Elementary Japanese I 6 credits, Grading Method REG/P-F Meets USF Distributive Studies (A) Cultural and Historical requirement		
0101	MTuWThF 9:00am-11:50am	Bldg JMZ, Room 2125	Mura, E Introduction to basic patterns of contemporary spoken Japanese and to the two phonetic systems (Katakana and Hiragana)
JAPN 102	Elementary Japanese II 6 credits, Grading Method REG Meets USF Distributive Studies (A) Cultural and Historical requirement. Prerequisite: JAPN 101 or equivalent		
0201	MTuWThF 9:00am-11:50am	Bldg HBK, Room 1108	Yagnuma, K Continued introduction to the basic spoken patterns of contemporary Japanese

JAPN continued

JAPN 201	Intermediate Spoken Japanese I 3 credits, Grading Method REG Meets USF Distributive Studies (A) Cultural and Historical requirement. Prerequisite: JAPN 102 or equivalent		
0101	MTuWThF 9:00am-10:20am	Bldg JMZ, Room 0202	Staff Further study of grammar with emphasis on the spoken language.
JAPN 202	Intermediate Written Japanese I 3 credits, Grading Method REG Meets USF Distributive Studies (A) Cultural and Historical requirement. Prerequisite: JAPN 102 or equivalent		
0101	MTuWThF 10:30am-11:50am	Bldg JMZ, Room 0202	Staff Continued study of the written Japanese language
JAPN 203	Intermediate Spoken Japanese II 3 credits, Grading Method REG Meets USF Distributive Studies (A) Cultural and Historical requirement. Prerequisite: JAPN 201 or equivalent		
0201	MTuWThF 9:00am-10:20am	Bldg EGR, Room 3102	Staff Continuation of JAPN 201.
JAPN 204	Intermediate Written Japanese II 3 credits, Grading Method REG Meets USF Distributive Studies (A) Cultural and Historical requirement. Prerequisite: JAPN 202 or equivalent		
0202	MTuWThF 10:30am-11:50am	Bldg EGR, Room 3102	Staff A continuation of JAPN 202.

JOUR

JOUR 201	Writing For Mass Media 3 credits, Grading Method REG Pre- or corequisite: JOUR 101. Prerequisite: 30 words per minute typing ability, provisional or direct admission to journalism major. A 5-minute typing test is required. Must have at least 28 credits earned. During Summer Sessions JOUR 201 is open to non-majors through hold file.		
0101	MTuWThF 3:00pm-4:50pm	Bldg JRN, Room 3102	Holman, B
0102	MTuWThF 9:30am-10:50am	Bldg JRN, Room 3102	Stapp Jr., A 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.
JOUR 202	Editing For the Mass Media 3 credits, Grading Method REG Prerequisite: grade of C or better in JOUR 201. Provisional and majors only.		
0101	MTuWThF 12:30pm-1:50pm	Bldg JRN, Room 3102	Stapp Jr., A Basic editing skills applicable to all mass media: copy editing, graphic principles and processes, new media technology.
JOUR 320	News Reporting 3 credits, Grading Method REG Prerequisite: grade of C or better in JOUR 201. For JOUR majors only. Majors only		
0101	MTuWThF 9:30am-10:50am	Bldg JRN, Room 3102	Barkin, S Principles and practices of news reporting with special emphasis on news gathering for all the media, covering news beats and other news sources, including researching a news story for accuracy, comprehensiveness and interpretation.
JOUR 340	Advertising Communication 3 credits, Grading Method REG Prerequisite: grade of C or better in JOUR 201. Majors only.		
0101	MTuWThF 9:30am-10:50am	Bldg JRN, Room 1104	Zanot, E Advertising as a mass communication profession and its role in the public information system of the United States. Application of communication theory and research methods to the research, planning, communication, and evaluation aspects of advertising.
JOUR 342	Advertising Media Planning 3 credits, Grading Method REG Prerequisite: JOUR 340. Majors only.		
0101	MTuWThF 8:00am-9:20am	Bldg JRN, Room 3102	Keenan, K Principles of planning, placing and evaluating advertising media in U.S. media markets. Application of theory and methods to specific advertising situations.
JOUR 373	Graphics 3 credits, Grading Method REG/P-FAUD Prerequisite: grade of C or better in JOUR 202		
0101	MW 6:00pm-9:00pm	Bldg JRN, Room 3111	Roche, J Intensive analysis of the components of publication content and design. Type and typography, printing processes, illustration and production with emphasis on contemporary technology.
JOUR 396	Supervised Internship 3 credits, Grading Method REG Prerequisite: grade of C or better in JOUR 202, and first course of journalism sequence related to techniques (i.e., JOUR 320, or JOUR 331; or JOUR 341; or JOUR 350; or JOUR 360; or JOUR 380) and permission of department. For majors only. Contact Lois Kacy, 1118 Journalism Building. Proof of registration required when seeking approval of internship in 1118 Journalism. No retroactive adds.		
0101	Meets JUN 4 to AUG 24 Time Arranged	Bldg JRN, Room 1118	Kay, L Internship experience with communication professionals in newspapers, news broadcasting, public relations, advertising, magazines, photojournalism, and science communication. Relation of academic training to professional experience.
JOUR 398	Independent Study 1-3 credits, Grading Method REG Contact department to make arrangements.		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
JOUR 400	Law of Mass Communication 3 credits, Grading Method REG MW 6:00pm-9:00pm	Bldg LEF, Room 2208	Zerbinos, E Legal rights and constraints of mass media, libel, privacy, copyright, monopoly, content, and other aspects of the law applied to mass communication. Previous study of the law not required.
JOUR 410	History of Mass Communication 3 credits, Grading Method REG/P-FAUD MTuWThF 11:00am-12:20pm	Bldg JRN, Room 1104	Hiebert, R Development of newspapers, magazines, radio, television and motion pictures as media of mass communication. Analysis of the influences of the media on the historical development of America.
JOUR 488A	Topics in Scholastic Journalism: Visual Communication: Theory to Practice 1-3 credits, Grading Method REG/P-FAUD		
0101	Meets JUN 25 to JUL 13 MTuWThF 3:00pm-4:00pm	Bldg JRN, Room 3111	Roche, J Use of visuals related to news journalism, layout and design and information graphics.
JOUR 488B	Topics in Scholastic Journalism: Retinking Design 1-3 credits, Grading Method REG/P-FAUD		
0101	Meets JUN 25 to JUL 13 MTuWThF 9:00am-12:00pm	Bldg JRN, Room 3111	Plummer, D
JOUR 600	Research Methods in Mass Communication 3 credits, Grading Method REG/AUD Depending upon availability of faculty, either JOUR 600 or JOUR 601 will be offered this summer. Contact the Journalism Graduate Office at 454-5040 for more information.		
0101	MW 6:00pm-9:00pm	Bldg JRN, Room 1116	McAdams, K
JOUR 601	Theories of Mass Communication 3 credits, Grading Method REG/AUD Depending upon availability of faculty, either JOUR 600 or JOUR 601 will be offered this summer. Contact the Journalism Graduate Office at 454-5040 for more information.		
0101	MW 6:00pm-9:00pm	Bldg JRN, Room 1116	Barkin, S
JOUR 698	Special Problems in Communication 3 credits, Grading Method REG/AUD		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
JOUR 798	Masters Professional Fieldwork 3 credits, Grading Method REG/AUD		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

JOURNALISM (JOURNALISM)

JOUR continued

JOUR 799	Master's Thesis Research 1-6 credits. Grading Method REG		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

LATN

**LATIN
(ARTS AND HUMANITIES)**

LATN 220	Intermediate Intensive Latin 4 credits. Grading Method REG-P-FAUD Meets USP Distributive Studies (A) Cultural and Historical requirement Prerequisite: LATN 102, or LATN 120, or equivalent. Not open to students with credit for LATN 204		
0201	MtUWThF 11:00am-12:40pm Bldg JMZ, Room 1109 Meyer, J		
	Review of Latin grammar, reading in prose and poetry from selected authors.		
LATN 499	Independent Study in Latin Language and Literature 3 credits. Grading Method REG-P-FAUD Permission of department required		
0101	Time Arranged	Room Arranged	Rowland, R
0201	Time Arranged	Room Arranged	Rowland, R
LATN 659	Independent Studies in Latin Literature 3 credits. Grading Method REG-AUD Permission of department required		
0101	Time Arranged	Room Arranged	Rowland, R
0201	Time Arranged	Room Arranged	Rowland, R

LBSC

**LIBRARY SCIENCE
(LIBRARY AND INFORMATION SERVICES)**

LBSC 499K	Workshops, Clinics, and Institutes: Archival Administration 3 credits. Grading Method S-P Permission of department required. For information on non-credit workshop, (See \$540) contact Jean Diepenbrock in the Office of Library and Information Services, 454-3016. Plus additional project		
0201	MW 6:00pm-9:00pm Bldg HBK, Room 0109 Kurtz, M		
	Analyses management attitudes, techniques and strategies required to effectively administer a cultural institution in an era of limited resources and expanding program demands. Specific attention given to the similarities and differences involved in managing archives, libraries, museums and historical societies.		
LBSC 600	Proseminar: Development and Operation of Libraries and Information Services 3 credits. Grading Method REG-AUD Permission of department required Prerequisite: permission of department		
0101	Meets JUN 25 to AUG 17 MtUW 1:00pm-3:00pm Bldg HBK, Room 0109 Kidd, J		
	Background and orientation for advanced study in library and information services, including communication, the use and economics of information, libraries as social institutions and as organizations, and professionalism. Required of all MSU students.		
LBSC 630	Library Administration 3 credits. Grading Method REG-AUD Permission of department required Prerequisite: permission of department		
0201	MWThF 1:00pm-3:00pm Bldg HBK, Room 0103 Staff		
	Administrative theory and principles, and their implications for and applications to managerial activity in libraries and other information organizations.		
LBSC 641	Selection and Evaluation of Instructional Media 3 credits. Grading Method REG-AUD Permission of department required Prerequisite: permission of department		
0101	MW 6:00pm-9:00pm Bldg HBK, Room 0105 Neuman, D		
	Development of criteria and procedures for selecting and evaluating media for instruction. Systematic planning for media use. Exploration of present and evolving issues.		
LBSC 651	Reference and Information Services 3 credits. Grading Method REG-AUD Permission of department required Prerequisite: permission of department		
0101	Meets JUN 25 to AUG 17 MtUW 9:00am-11:00am Bldg HBK, Room 0109 Cunningham, W		
	Information and reference systems, services, and tools provided in libraries and information centers. Problems and concepts of communication, question negotiation, and search processes. Bibliographic control and major types of information sources and modes of information delivery. Required of all MLIS students.		
LBSC 675	Information Storage and Retrieval (ISAR) Systems 3 credits. Grading Method REG-AUD Permission of department required Prerequisite: permission of department Plus project		
0201	TuTh 6:00pm-9:00pm Bldg HBK, Room 0105 Soergel, D		
	Principles of organizing information underlying both manual and mechanized ISAR systems, including the conceptual structure of index languages and search strategies, file organization, typology of classifications, abstracting, and indexing.		
LBSC 690	Data Processing for Libraries and Information Services 3 credits. Grading Method REG-AUD Permission of department required Prerequisite: permission of department Credit will be granted for only one of the following: LBSC 690 or LBSC 691 Plus additional lab and project		
0101	MtUTh 2:00pm-4:30pm Bldg HBK, Room 0103 Choi, J		
	Introduction to computers and their uses in libraries and other information systems, including systems analysis, database management systems, file structure, structured programming, and data processing applications and their management.		
LBSC 691	Microcomputers in Information Processing 3 credits. Grading Method REG-AUD Permission of department required Prerequisite: permission of department Credit will be granted for only one of the following: LBSC 690 or LBSC 691 Plus additional lab and project		
0201	TuTh 6:00pm-9:00pm Bldg HBK, Room 0103 Staff		
	Introduction to microcomputers and their roles in processing information and knowledge in schools, libraries, and other information agencies. Programming, database management, information organization and retrieval, word processing, systems analysis, library automation, and instructional applications.		
LBSC 701	Research Methods in Library and Information Studies 3 credits. Grading Method REG-AUD Permission of department required Prerequisite: permission of department		
0201	Meets JUL 16 to AUG 16 MtUTh 9:00am-12:00pm Bldg HBK, Room 0105 Soergel, D		
	Techniques and strategies of research as applied to the definition, investigation, and evaluation of information problems.		
LBSC 702	User Instruction 3 credits. Grading Method REG-AUD Permission of department required Prerequisite: permission of department		
0101	TuTh 11:00am-2:00pm Bldg HBK, Room 0105 Lesenser, J		
	Plus additional project. Critical analysis of the rationale, content, and processes of user instruction in library and information settings.		

LBSC continued

LBSC 707	Field Study in Library Service 3 credits. Grading Method REG-AUD Permission of department required Prerequisite: LBSC 600, and LBSC 651, and LBSC 671, and [LBSC 690 or LBSC 691] and permission of both department and instructor		
0201	Time Arranged Room Arranged		Cunningham, W
			Permission must be obtained prior to May 15, 1991. Unpaid, supervised experience within library operations and/or the opportunity to perform a service to solve a specific problem in a suitable library or other information agency.
LBSC 708C	Special Topics in Library and Information Service: Management of On-Line Services in Schools 3 credits. Grading Method REG-AUD Permission of department required Plus additional lab		
0201	Meets JUL 14-27 and AUG 6-10 MtUTh 9:00am-12:00pm Bldg HBK, Room 0103 Aversa, E		
	Planning, implementation, management and evaluation of on-line services in the school environment. Includes hands-on introduction to search techniques.		
LBSC 708E	Special Topics in Library and Information Service: Topical Investigations: Maps as Source Materials: Availability and Acquisition 3 credits. Grading Method REG-AUD		
0101	TuTh 5:00pm-8:00pm Bldg LEF, Room 1210 Modelski, A		
	Investigates, analyzes and compares map sources and types as well as their availability. Acquisition programs and policies dealing with public and private map sources will be investigated. Special attention will be given to developing special purpose map collections and their classification topics.		
LBSC 708S	Special Topics in Library and Information Service: Library Media Services for Client Groups with Handicapping Conditions 3 credits. Grading Method REG-AUD Permission of department required Plus lab and project		
0101	MWTh 2:00pm-4:30pm Bldg HBK, Room 0105 Neuman, D		
	Impact of legislation and special interest groups on the library/media specialist's role in providing library and media services to handicapped populations, including selection and evaluation of appropriate media and special adaptive equipment, providing appropriate information and handicapping conditions and their effects, and creating an accessible environment in school and public library systems.		
LBSC 708J	Special Topics in Library and Information Service: Library Personnel Management and Communication 3 credits. Grading Method REG-AUD Permission of department required Plus project		
0201	MW 6:00pm-9:00pm Bldg HBK, Room 0103 Staff		
	Assesses management skills and techniques required by new and prospective managers. Role of the manager, leadership skills, planning and organizing resources, problem solving and decision making, selection and evaluation of personnel, and time and stress management. Communication skills with emphasis on written communication.		
LBSC 708L	Special Topics in Library and Information Service: Archivist, Librarian and the Library 3 credits. Grading Method REG-AUD Permission of department required Plus additional project		
0101	MW 5:00pm-8:15pm Bldg HBK, Room 0103 Burke, F		
	An investigation of constitutional issues and federal laws that impact on the management of a library, an ivory, or other research institution. Included will be analysis of the copyright law, the Freedom of Information Act, the Privacy Act, tax law as it relates to the donation of cultural materials, the Presidential Records and Materials Preservation Act, and related federal statutes.		
LBSC 709	Independent Study 1-3 credits. Grading Method REG-AUD Permission of department required. Permission of CLIS Admissions Committee required		
0101	Time Arranged Room Arranged		Staff
0201	Time Arranged Room Arranged		Staff
LBSC 727	Science Information and the Organization of Science 3 credits. Grading Method REG-AUD Permission of department required Prerequisite: permission of department Plus additional project		
0101	Tu 6:00pm-9:00pm Sa 9:30am-12:30pm Bldg HBK, Room 0109 Kidd, J		
	Institutional environments in which science information is produced, evaluated, and disseminated. Evolution of organizational relationships, and development of new forms, such as think-tanks and contact research firms. Influence of science policy on science communication.		
LBSC 745	Storytelling Materials and Techniques 3 credits. Grading Method REG-AUD Permission of department required Prerequisite: permission of department		
0201	Meets JUL 16 to AUG 16 MW 1:00pm-3:00pm Bldg HBK, Room 0115 Williams, H		
	Library sources and instruction and practice in oral techniques.		
LBSC 746	Analysis of Client Groups: Young Adults 3 credits. Grading Method REG-AUD Permission of department required Prerequisite: permission of department Meets Tuesday and Thursday evenings, plus Saturday July 14, 9:30am-4:30pm		
0101	TuTh 5:00pm-8:00pm Bldg HBK, Room 4113 Lesenser, J		
	Special characteristics of youth and resultant implications for the interpretation of information, materials, and services in all types of libraries and information settings.		
LBSC 753	Literature and Research in the Social Sciences 3 credits. Grading Method REG-AUD Permission of department required Prerequisites: permission of department, and either LBSC 651 or permission of instructor		
0101	MtUThF 8:30am-10:30am Bldg HBK, Room 0103 White, M		
	Factors affecting the generation and use of social science information, including characteristics of the social sciences and their methodology, the structure of social science literature, and control of diverse forms of social science information.		
LBSC 766	Business Information Services 3 credits. Grading Method REG-AUD Permission of department required Prerequisite: permission of department		
0101	Meets JUN 4 to JUN 22 MtUWThF 10:00am-1:00pm Bldg HBK, Room 4113 Wasserman, P		
	Plus special exercise. Survey and analysis of information sources in business, finance, and economics with emphasis on their use in problem solving.		
LBSC 781	Problems of Nonbook Materials 3 credits. Grading Method REG-AUD Permission of department required Prerequisite: permission of department		
0101	MtUTh 11:30am-2:00pm Bldg HBK, Room 0103 White, M		
	Plus project. Examination of nonbook materials, such as audiotapes, motion pictures, maps, videocards, machine-readable data files, and realia. Technical services applicable to nonbook materials.		
LBSC 899	Doctoral Dissertation Research 1-8 credits. Grading Method REG Permission of department required		
0101	Time Arranged Room Arranged		Staff
0201	Time Arranged Room Arranged		Staff

LING

**LINGUISTICS
(ARTS AND HUMANITIES)**

LING 200	Introductory Linguistics 3 credits. Grading Method REG-P-FAUD Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement Not open to students who have completed ANTH 371 or HESP 120. Credit will be granted for only one of the following: LING 100 or LING 200. Bases for future work in linguistics.		
0101	MtUWThF 9:30am-10:50am Bldg ZOP, Room 1234		Munn, A

LING continued

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.

LING 440	Grammars and Cognition 3 credits, Grading Method REG P-F/AUD Meets USP Advanced Studies Development of Knowledge requirement		
0101	MTuWThF 10:00am-11:20am	Bldg HBK, Room 1108	Garrell, P
	Relationship between the structure, development and functioning of grammars and the structure, development and functioning of other mental systems. Interrelations of experimental and observational work on children's language, aphasia, speech production and comprehension		
LING 499	Directed Studies in Linguistics 3 credits, Grading Method REG P-F/AUD Permission of department required		
0201	Time Arranged	Room Arranged	Lightfoot, D
LING 698	Directed Study 3 credits, Grading Method REG Permission of department required		
0201	Time Arranged	Room Arranged	Staff
LING 799	Master's Thesis Research: Master's Thesis 1-6 credits, Grading Method REG Permission of department required		
0201	Time Arranged	Room Arranged	Staff
LING 889	Directed Research 1-8 credits, Grading Method REG Permission of department required		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
LING 895	Doctoral Research Paper 1-6 credits, Grading Method REG Permission of department required		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
LING 899	Doctoral Dissertation Research 1-8 credits, Grading Method REG Permission of department required		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

MAPL

APPLIED MATHEMATICS
(COMPUTER, MATHEMATICAL AND PHYSICAL SCIENCES)

MAPL 460 Computational Methods 3 credits, Grading Method REG P-F/AUD
Prerequisites: MATH 240, and MATH 241, and (CMSC 110 or CMSC 113) or equivalent. Also offered as CMSC 460. Credit will be granted for only one of the following MAPL/CMSC 460 and MAPL/CMSC 466

0201	MTuWThF 8:00am-9:20am	Bldg CLB, Room 0111	Staff
	Basic computational methods for interpolation, least squares, approximation, numerical differentiation, numerical solution of polynomial and transcendental equations, systems of linear equations and initial value problems for ordinary differential equations. Emphasis is on methods and their computational properties rather than their analytic aspects. Intended primarily for students in the physical and engineering sciences		
MAPL 799	Master's Thesis Research 1-6 credits, Grading Method REG		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
MAPL 899	Doctoral Dissertation Research 1-8 credits, Grading Method REG		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

MATH

MATHEMATICS
(COMPUTER, MATHEMATICAL AND PHYSICAL SCIENCES)

For those students experiencing math anxiety or who feel deficient in math study skills, refer to the special programs section, SUMM 003.

MATH 110 Elementary Mathematical Models 3 credits, Grading Method REG P-F/AUD
Permission of department required. Prerequisite: permission of department based on satisfactory score on the mathematics placement exam, or MATH 001. Not open to students majoring in mathematics, engineering, and the physical sciences. MATH 110 is not open to students in the Engineering and Computer, Mathematical, and Physical Sciences Colleges

0101	MTuWThF 8:00am-9:20am	Bldg MTH, Room 0306	Staff
0102	MTuWThF 9:30am-10:50am	Bldg MTH, Room 0103	Staff
0103	MTuWThF 11:00am-12:20pm	Bldg MTH, Room 0201	Staff
0108	MTuWThF 8:00am-9:20am	Bldg MTH, Room 0101	Staff
0109	MTuWThF 9:30am-10:50am	Bldg MTH, Room 1313	Staff
0110	MTuWThF 11:00am-12:20pm	Bldg MTH, Room 1308	Staff
0201	MTuWThF 9:00am-10:50am	Bldg MTH, Room 0407	Staff
0202	MTuWThF 9:30am-10:50am	Bldg MTH, Room 0103	Staff
0203	MTuWThF 11:00am-12:20pm	Bldg MTH, Room 0405	Staff
0210	MTuWThF 11:00am-12:20pm	Bldg MTH, Room 0201	Staff
	Elementary introduction to models useful in the biological, management, and social sciences. Matrices, systems of linear equations, and linear inequalities in two or three variables are used to solve simple but representative problems in linear programming, stochastic processes, game theory, and the mathematics of mortgages and annuities.		
MATH 111	Introduction to Probability 3 credits, Grading Method REG P-F/AUD Meets USP Distributive Studies (B)Natural Sciences and Mathematics requirement Prerequisite: permission of department based on satisfactory score on the mathematics placement exam, or MATH 110, 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 111 or STAT 100		
0102	MTuWThF 9:30am-10:50am	Bldg MTH, Room 0409	Staff
0109	MTuWThF 9:30am-10:50am	Bldg MTH, Room 1311	Staff
0202	MTuWThF 9:30am-10:50am	Bldg MTH, Room 0306	Staff
	Logic, Boolean algebra, counting, probability, random variables, expectation applications of the normal probability distribution		
MATH 115	Precalculus 3 credits, Grading Method REG P-F/AUD Permission of department required. Prerequisite: permission of department based on satisfactory score on the mathematics placement exam or MATH 002		
0101	MTuWThF 8:00am-9:20am	Bldg MTH, Room 0405	Staff
0103	MTuWThF 11:00am-12:20pm	Bldg MTH, Room 0409	Staff
0108	MTuWThF 8:00am-9:20am	Bldg MTH, Room 0106	Staff
0110	MTuWThF 11:00am-12:20pm	Bldg MTH, Room 1311	Staff
0201	MTuWThF 8:00am-9:20am	Bldg MTH, Room 0405	Staff
0202	MTuWThF 9:30am-10:50am	Bldg MTH, Room 0307	Staff
	Preparation for calculus. Topics include elementary functions and graphs, polynomials, rational functions, exponential and logarithmic functions, trigonometric functions. Algebraic techniques preparatory for calculus.		

MATH continued

MATH 140 Calculus I 4 credits, Grading Method REG P-F/AUD
Meets USP Distributive Studies (B)Natural Sciences and Mathematics requirement. Permission of department required. Prerequisite: permission of department based on 3 1/2 years of college preparatory mathematics (including trigonometry) and satisfactory score on the mathematics placement exam or MATH 115. Credit will be granted for only one of the following MATH 140 or MATH 220

0101	Meets JUN 4 to JUL 27		
0102	MTuWThF 8:00am-9:20am	Bldg MTH, Room B0421	Staff
0103	Meets JUN 4 to JUL 27	Bldg MTH, Room 0101	Staff
0104	MTuWThF 11:00am-12:20pm	Bldg MTH, Room B0421	Staff
0110	Meets JUN 4 to JUL 27	Bldg MTH, Room 0307	Staff
	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.		
MATH 141	Calculus II 4 credits, Grading Method REG P-F/AUD Meets USP Distributive Studies (B)Natural Sciences and Mathematics requirement. Prerequisite: MATH 140 or equivalent. Credit will be granted for only one of the following MATH 141 or MATH 221		
0101	Meets JUN 4 to JUL 27	Bldg MTH, Room 0101	Staff
0102	Meets JUN 4 to JUL 27	Bldg MTH, Room 0405	Staff
0103	Meets JUN 4 to JUL 27	Bldg MTH, Room 0101	Staff
0110	MTuWThF 11:00am-12:20pm	Bldg MTH, Room 0303	Staff
	Continuation of MATH 140, including techniques of integration, improper integrals, applications of integration (area, volumes, work, and center of mass, moments), inverse functions, exponential and logarithmic functions, sequences and series.		
MATH 210	Elements of Mathematics 4 credits, Grading Method REG P-F/AUD Meets USP Distributive Studies (B)Natural Sciences and Mathematics requirement. Prerequisite: one year of college preparatory algebra. Required for majors in elementary education and open only to students in this field		
0101	Meets JUN 4 to JUL 27	Bldg MTH, Room 0401	Staff
	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.		
MATH 211	Elements of Geometry 4 credits, Grading Method REG P-F/AUD Meets USP Distributive Studies (B)Natural Sciences and Mathematics requirement. Prerequisite: MATH 210 or equivalent		
0101	Meets JUN 4 to JUL 27	Bldg MTH, Room 0403	Staff
	Structure of mathematics systems, algebra of sets, geometrical structures, logic, measurement, congruence, similar triangles, graphs in the plane, geometry on the sphere.		
MATH 220	Elementary Calculus I 3 credits, Grading Method REG P-F/AUD Meets USP Distributive Studies (B)Natural Sciences and Mathematics requirement. Permission of department required. 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 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		
0101	MTuWThF 8:00am-9:20am	Bldg MTH, Room 0407	Staff
0102	MTuWThF 9:30am-10:50am	Bldg MTH, Room 0307	Staff
0103	MTuWThF 11:00am-12:20pm	Bldg MTH, Room 0403	Staff
0109	MTuWThF 9:30am-10:50am	Bldg MTH, Room 0106	Staff
0110	MTuWThF 11:00am-12:20pm	Bldg MTH, Room 0302	Staff
0201	MTuWThF 8:00am-9:20am	Bldg MTH, Room 0201	Staff
0202	MTuWThF 9:30am-10:50am	Bldg MTH, Room 0303	Staff
0203	MTuWThF 11:00am-12:20pm	Bldg MTH, Room 0403	Staff
	Basic ideas of differential and integral calculus, with emphasis on elementary techniques of differentiation and applications.		
MATH 221	Elementary Calculus II 3 credits, Grading Method REG P-F/AUD Meets USP Distributive Studies (B)Natural Sciences and Mathematics requirement. 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 221 or MATH 411 or MATH 461		
0102	MTuWThF 9:30am-10:50am	Bldg MTH, Room 0303	Staff
0109	MTuWThF 9:30am-10:50am	Bldg MTH, Room 0304	Staff
0201	MTuWThF 8:00am-9:20am	Bldg MTH, Room 0306	Staff
0208	MTuWThF 8:00am-9:20am	Bldg MTH, Room 0106	Staff
	Differential and integral calculus, with emphasis on elementary techniques of integration and applications.		
MATH 240	Introduction to Linear Algebra 4 credits, Grading Method REG P-F/AUD Meets USP Distributive Studies (B)Natural Sciences and Mathematics requirement. Prerequisite: MATH 140 or equivalent. Credit will be granted for only one of the following MATH 240 or MATH 400 or MATH 461		
0103	Meets JUN 4 to JUL 27	Bldg MTH, Room 0407	Staff
0110	Meets JUN 4 to JUL 27	Bldg MTH, Room 0304	Staff
	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.		
MATH 241	Calculus III 3 credits, Grading Method REG P-F/AUD Meets USP Distributive Studies (B)Natural Sciences and Mathematics requirement. Prerequisites: MATH 141 and any one of the following MATH 240, or ENES 110, or PHYS 191		
0103	Meets JUN 4 to JUL 27		
0110	Meets JUN 4 to JUL 27	Bldg MTH, Room 0306	Staff
	Introduction to multivariable calculus, including vector and vector-valued functions, partial derivatives and applications, partial derivatives (such as tangent planes and LaGrange multipliers), multiple integrals, volume, surface area, and the classical theorems of Green, Stokes and Gauss.		
MATH 246	Differential Equations For Scientists and Engineers 2 credits, Grading Method REG P-F/AUD Meets USP Distributive Studies (B)Natural Sciences and Mathematics requirement. Prerequisite: MATH 141 or equivalent		
0102	MTuWThF 9:30am-10:50am	Bldg MTH, Room 0403	Staff
0109	MTuWThF 9:30am-10:50am	Bldg MTH, Room 1308	Staff
0202	MTuWThF 9:30am-10:50am	Bldg MTH, Room 0304	Staff
0209	MTuWThF 9:30am-10:50am	Bldg MTH, Room 0403	Staff
0212	MTuWThF 9:30am-10:50am	Bldg MTH, Room 0305	Staff
	An introductory course in differential equations, including first and second order, linear differential equations, Laplace transforms, numerical methods, and the qualitative theory of differential equations.		

MATH continued

MATH 401 Applications of Linear Algebra 3 credits <i>Grading Method: REG P F A UD</i> Prerequisite: MATH 400 or MATH 240	
0103	MTuWThF 11:00am-12:00pm Bldg. MTH, Room 0106 Staff
0110	MtWThF 11:00am-12:00pm Bldg. MTH, Room 1313 Staff
Various applications of linear algebra: theory of finite games, linear programming, matrix methods as applied to finite Markov chains, random walk, incidence matrices, graphs and directed graphs, networks, and transportation problems.	
MATH 402 Algebraic Structures 3 credits <i>Grading Method: REG P F A UD</i> Prerequisite: MATH 240 or equivalent. Not open to mathematics graduate students. Credit will be granted for only one of the following: MATH 402 or MATH 403.	
0101	MTuWThF 9:30am-9:20am Bldg. MTH, Room 0305 Staff
For students having only limited experience with rigorous mathematical proofs, and parallel to MATH 403. Students planning graduate work in mathematics should take MATH 403. Groups, rings, integral domains and fields, detailed study of several groups, properties of integers and polynomials. Emphasis is on the origin of the mathematical ideas studied and the logical structure of the subject.	
MATH 406 Introduction to Number Theory 3 credits <i>Grading Method: REG P F A UD</i> Meets USP Advanced Studies Development of Knowledge requirement. Prerequisite: MATH 141 or MATH 221 or permission of department.	
0102	MtWThF 9:30am-10:50am Bldg. MTH, Room 0102 Staff
0201	MtWThF 8:00am-9:20am Bldg. MTH, Room 0105 Staff
Rational integers, divisibility, prime numbers, modules and linear forms, unique factorization theorem; Euler's function, Mobius' function, cyclotomics, polynomial congruences and quadratic residues, Legendre's and Jacobi's symbol, reciprocity law of quadratic residues, introductory explanation of the method of algebraic number theory.	
MATH 410 Advanced Calculus I 3 credits <i>Grading Method: REG P F A UD</i> Permission of department required. Prerequisites: MATH 240 and MATH 241. Meets 8 weeks 4 days per week.	
0102	Meets JUN 4 to JUL 27
	MtWThF 9:30am-10:50am Bldg. MTH, Room B0421 Staff
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.	
MATH 411 Advanced Calculus II 3 credits <i>Grading Method: REG P F A UD</i> Permission of department required. Prerequisites: MATH 410 and MATH 240 or MATH 400. Meets 8 weeks 4 days per week.	
0102	Meets JUN 4 to JUL 27
	MtWThF 9:30am-10:50am Bldg. MTH, Room 0407 Staff
Continuation of MATH 410.	
MATH 430 Euclidean and Non-Euclidean Geometries 3 credits <i>Grading Method: REG P F A UD</i> Meets USP Advanced Studies Development of Knowledge requirement. Prerequisites: MATH 140 and MATH 141 or equivalent.	
0202	MtWThF 9:30am-10:50am Bldg. MTH, Room 1308 Staff
Hilbert's axioms, Euclidean geometry. Neutral geometry, the consistency of the hyperbolic parallel postulate and the inconsistencies of the elliptic parallel postulate with neutral geometry. Models of hyperbolic geometry. Existence and properties of isometries.	
MATH 444 Elementary Logic and Algorithms 3 credits <i>Grading Method: REG P F A UD</i> Prerequisite: MATH 240. Also offered as CHSC 450.	
0102	MtWThF 9:30am-10:50am Bldg. MTH, Room 0305 Staff
0109	MtWThF 9:30am-10:50am Bldg. MTH, Room 0302 Staff
0202	MtWThF 9:30am-10:50am Bldg. MTH, Room 0201 Staff
0209	MtWThF 9:30am-10:50am Bldg. MTH, Room 1311 Staff
An elementary development of propositional logic, set algebra, and Boolean algebra, with a discussion of Markov algorithms, Turing machines and recursive functions. Topics include post productions, word problems, and formal languages.	
MATH 461 Linear Algebra for Scientists and Engineers 3 credits <i>Grading Method: REG P F A UD</i> 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.	
0103	MtWThF 11:00am-12:20pm Bldg. MTH, Room 0105 Staff
0110	MtWThF 11:00am-12:20pm Bldg. MTH, Room 0305 Staff
0201	MtWThF 8:00am-9:20am Bldg. MTH, Room 0307 Staff
0206	MtWThF 8:00am-9:20am Bldg. MTH, Room 0305 Staff
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.	
MATH 462 Partial Differential Equations For Scientists and Engineers 3 credits <i>Grading Method: REG P F A UD</i> Prerequisites: MATH 241 and MATH 246. Credit will be granted for only one of the following: MATH 462 or MATH 415.	
0102	MtWThF 9:30am-10:50am Bldg. MTH, Room 0201 Staff
0103	MtWThF 11:00am-12:20pm Bldg. MTH, Room 0405 Staff
0201	MtWThF 8:00am-9:20am Bldg. MTH, Room 0303 Staff
0208	MtWThF 8:00am-9:20am Bldg. MTH, Room 0304 Staff
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.	
MATH 463 Complex Variables for Scientists and Engineers 3 credits <i>Grading Method: REG P F A UD</i> Prerequisite: MATH 241 or equivalent.	
0102	MtWThF 9:30am-10:50am Bldg. MTH, Room 0105 Staff
0109	MtWThF 9:30am-10:50am Bldg. MTH, Room 0411 Staff
0202	MtWThF 9:30am-10:50am Bldg. MTH, Room 0106 Staff
0203	MtWThF 11:00am-12:20pm Bldg. MTH, Room 0106 Staff
0209	MtWThF 9:30am-10:50am Bldg. MTH, Room 0105 Staff
0210	MtWThF 11:00am-12:20pm Bldg. MTH, Room 0305 Staff
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.	
MATH 799 Master's Thesis Research 1-6 credits <i>Grading Method: REG</i>	
0101	Time Arranged Room Arranged Staff
0201	Time Arranged Room Arranged Staff
MATH 899 Doctoral Dissertation Research 1-8 credits <i>Grading Method: REG</i>	
0101	Time Arranged Room Arranged Staff
0201	Time Arranged Room Arranged Staff

MEES continued

MEES 498M Topics in Marine-Estuarine-Environmental Sciences: Field and Lab Techniques in Marine Science 1 credit <i>Grading Method: REG P F A UD</i> Course will be taught at Chesapeake Biological Laboratory.	
0201	Meets JUL 30 to AUG 3 MtWThF 8:30am-4:30pm Room Arranged Seitzler-Hamilton, E
MEES 699 Special Problems in Marine-Estuarine-Environmental Sciences 3 credits <i>Grading Method: REG P F A UD</i>	
0101	Time Arranged Room Arranged Staff
0201	Time Arranged Room Arranged Staff
MEES 799 Masters Thesis Research 1-6 credits <i>Grading Method: REG</i>	
0101	Time Arranged Room Arranged Staff
0201	Time Arranged Room Arranged Staff
MEES 899 Doctoral Dissertation Research 1-8 credits <i>Grading Method: REG</i>	
0101	Time Arranged Room Arranged Staff
0201	Time Arranged Room Arranged Staff

METO

**METEOROLOGY
(COMPUTER, MATHEMATICAL AND PHYSICAL SCIENCES)**

METO 499 Special Problems in Atmospheric Science 1-3 credits <i>Grading Method: REG P F A UD</i>	
0101	Time Arranged Room Arranged Staff
0201	Time Arranged Room Arranged Staff
METO 799 Master's Thesis Research 1-6 credits <i>Grading Method: REG</i>	
0101	Time Arranged Room Arranged Staff
0201	Time Arranged Room Arranged Staff
METO 899 Doctoral Dissertation Research 1-8 credits <i>Grading Method: REG</i>	
0101	Time Arranged Room Arranged Staff
0201	Time Arranged Room Arranged Staff

MICB

**MICROBIOLOGY
(LIFE SCIENCES)**

MICB 200 General Microbiology 4 credits <i>Grading Method: REG P F A UD</i> Meets USP Distributive Studies (B) Natural Sciences and Mathematics requirement. Prerequisite: CHEM 113. Credit will be granted for only one of the following: MICB 100 or MICB 200.	
0101	MtWThF 8:00am-9:00am Bldg. MCB, Room 1207 Hetrick F
	MtWThF 9:00am-11:00am Bldg. MCB, Room 1201 (LAB) Staff
0102	MtWThF 8:00am-9:00am Bldg. MCB, Room 1207 Hetrick F
	MtWThF 9:00am-11:00am Bldg. MCB, Room 1205 (LAB) Staff
0103	MtWThF 8:00am-9:00am Bldg. MCB, Room 1207 Hetrick F
	MtWThF 9:00am-11:00am Bldg. MCB, Room 1206 (LAB) Staff
Taught by F. Hetrick and S. Joseph. The biology of microorganisms, with special reference to the bacteria. Fundamental principles of microbiology as revealed through an examination of the structure, physiology, genetics, and ecology of microorganisms.	
MICB 379 Honors Research 2-3 credits <i>Grading Method: REG P F A UD</i>	
0101	Time Arranged Room Arranged Staff
0201	Time Arranged Room Arranged Staff
MICB 388 Special Topics in Microbiology I 4 credits <i>Grading Method: REG P F A UD</i>	
0101	Time Arranged Room Arranged Staff
0201	Time Arranged Room Arranged Staff
MICB 388R Special Topics in Microbiology: Research Projects 1-4 credits <i>Grading Method: REG P F A UD</i>	
0101	Time Arranged Room Arranged Staff
0201	Time Arranged Room Arranged Staff
Contact department to make arrangements.	
MICB 399 Microbiological Problems 3 credits <i>Grading Method: REG P F A UD</i>	
0101	Time Arranged Room Arranged Staff
0201	Time Arranged Room Arranged Staff
MICB 450 Immunology 4 credits <i>Grading Method: REG</i> Prerequisite: MICB 440. Credit will be granted for only one of the following: ZOOL 455 or MICB 450.	
0101	MtWThF 9:30am-10:30am Bldg. MCB, Room 1207 Roberson B
	MtWThF 10:30am-12:30pm Bldg. MCB, Room 1135 (LAB) Staff
Principles of immunity, hypersensitivities, and fundamental techniques of immunology.	
MICB 688 Special Topics 1-4 credits <i>Grading Method: REG A UD</i>	
0101	Time Arranged Room Arranged Staff
0201	Time Arranged Room Arranged Staff
MICB 799 Master's Thesis Research 1-6 credits <i>Grading Method: REG</i>	
0101	Time Arranged Room Arranged Staff
0201	Time Arranged Room Arranged Staff
MICB 899 Doctoral Dissertation Research 1-8 credits <i>Grading Method: REG</i>	
0101	Time Arranged Room Arranged Staff
0201	Time Arranged Room Arranged Staff

MUED

**MUSIC EDUCATION
(EDUCATION)**

MUED 674 Choral Conducting and Repertoire 3 credits <i>Grading Method: REG A UD</i>	
0201	Meets JUL 23 to AUG 10 MtWThF 9:00am-12:00pm Bldg. TWS, Room 3238 Folstrom, R

MUSC

**MUSIC
(ARTS AND HUMANITIES)**

MUSC 102B Beginning Class Piano I 2 credits <i>Grading Method: REG</i>	
0101	MtWThF 12:30pm-1:50pm Bldg. TWS, Room 3218 Staff
MUSC 130 Survey of Music Literature 3 credits <i>Grading Method: REG P F A UD</i> Meets USP Distributive Studies (C) Literature and the Arts requirement. Open to all students except music and music education majors.	
0101	MtWThF 11:00am-12:20pm Bldg. TWS, Room 2123 Troth, E
A study of the principles upon which music is based, and an introduction to the musical repertoire performed in America today.	
MUSC 140 Music Fundamentals I 3 credits <i>Grading Method: REG P F A UD</i> Meets USP Distributive Studies (C) Literature and the Arts requirement. Limited to non-music majors.	
0101	MtWThF 2:00pm-3:20pm Bldg. TWS, Room 2123 Staff
0102	MtWThF 11:00am-12:20pm Bldg. TWS, Room 2135 Staff
0201	MtWThF 11:00am-12:20pm Bldg. TWS, Room 2123 Staff
Introductory theory course. Notation, scales, intervals, triads, rhythm, form, and basic aural skills.	

**MEES MARINE-ESTUARINE-ENVIRONMENTAL SCIENCES
(LIFE SCIENCES)**

MEES 498I Topics in Marine-Estuarine-Environmental Sciences: High School Marine Environmental Science Education 2 credits <i>Grading Method: REG P F A UD</i>	
0201	Meets JUL 31 to AUG 4 MtWThF 8:30am-4:30pm Room Arranged Staff

MUSC continued

MUSC 155	Fundamentals for the Classroom Teacher 3 credits, Grading Method: REG-P-F-AUD Open to students majoring in elementary education or childhood education. Other students take MUSC 150. Credit will be granted for only one of the following: MUSC 150 or MUSC 155. Open to pre-early childhood and pre-elementary students.		
0101	MTuWThF 9:30am-10:50am	Bldg. TWS, Room 2135	Saunders, C
	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.		
MUSC 448	Selected Topics in Music: 2-3 credits, Grading Method: REG-P-F-AUD Permission of department required.		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
MUSC 448A	Selected Topics in Music: Second Annual Maryland ASTA String Pedagogy Conference 2 credits, Grading Method: REG-AUD		
0101	Meets JUN 24 to JUN 30 MTuWThFSa 8:00am-10:00pm	Bldg. TWS, Room 1125	Fischbach, G
MUSC 448C	Selected Topics in Music: Flute Masterclass 1990 2 credits, Grading Method: REG-AUD		
0101	Meets JUL 6 to JUL 15 MTuWThFSaSu 10:00am-10:00pm	Bldg. TWS, Room 1125	Montgomery, W
MUSC 499	Independent Studies 2-3 credits, Grading Method: REG-P-F-AUD Permission of department required.		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
MUSC 693	Selected Topics in Music: 2-3 credits, Grading Method: REG-AUD		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
MUSC 693A	Selected Topics in Music: Second Annual Maryland ASTA String Pedagogy Conference 2 credits, Grading Method: REG-AUD		
0101	Meets JUN 24 to JUN 30 MTuWThFSa 8:00am-10:00pm	Bldg. TWS, Room 1125	Fischbach, G
MUSC 693C	Selected Topics in Music: Flute Masterclass 1990 2 credits, Grading Method: REG-AUD		
0101	Meets JUL 6 to JUL 15 MTuWThFSaSu 10:00am-10:00pm	Bldg. TWS, Room 1125	Montgomery, W
MUSC 799	Master's Thesis Research 1-6 credits, Grading Method: REG		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
MUSC 899	Doctoral Dissertation Research 1-8 credits, Grading Method: REG		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

NRMT

NATURAL RESOURCES MANAGEMENT
(AGRICULTURE)

NRMT 487	Conservation of Natural Resources 1-3 credits, Grading Method: REG-P-F Formerly AEED 487. Corequisite: NRMT 487. Field trips: 6/9, 6/16, 6/19-6/21, 6/26-6/28. A \$45 transportation fee for field trips will be assessed.		
0101	W 7:00pm-10:00pm	Bldg. SYM, Room 0115	Gibson Jr., G
	Designed primarily for teachers. Study of state's natural resources: soil, water, fisheries, wildlife, forests and minerals, natural resources problems and practices. Extensive field study. Concentration on water matter. Taken concurrently with NRMT 487 in summer season.		
NRMT 497	Conservation of Natural Resources II 3 credits, Grading Method: REG-P-F Formerly AEED 497. Corequisite: NRMT 487. Field trips: 6/9, 6/16, 6/19-6/21, 6/26-6/28. A \$45 transportation fee for field trips will be assessed.		
0101	W 7:00pm-10:00pm	Bldg. SYM, Room 0115	Gibson Jr., G
	Designed primarily for teachers. Study of state's natural resources: soil, water, fisheries, wildlife, forests and minerals, natural resources problems and practices. Extensive field study. Methods of teaching concentration included. Taken concurrently with NRMT 487 in summer season.		

NUSC

NUTRITIONAL SCIENCE
(AGRICULTURE)

NUSC 670	Intermediary Metabolism in Nutrition 3 credits, Grading Method: REG-AUD Prerequisites: BCHM 461, and BCHM 462, or equivalent. Also offered as NUTR 670		
0101	MTuWThF 9:30am-10:50am	Bldg. MMH, Room 0108	Ahrens, R
	The major routes of carbohydrate, fat and protein metabolism with particular emphasis on metabolic shifts and their detection and significance in nutrition.		
NUSC 699	Problems in Nutrition 1-4 credits, Grading Method: REG-AUD Contact department for instructions.		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
NUSC 799	Master's Thesis Research 1-6 credits, Grading Method: REG		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
NUSC 899	Doctoral Dissertation Research 1-8 credits, Grading Method: REG		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

NUTR

NUTRITION
(HUMAN ECOLOGY)

NUTR 100	Elements of Nutrition 3 credits, Grading Method: REG-P-F-AUD Meets USP Distributive Studies (B) Natural Sciences and Mathematics requirement		
0101	MTuWThF 9:30am-10:50am	Bldg. MMH, Room 1400	Staff
	Fundamentals of human nutrition. Nutrient requirements related to changing individual and family needs.		
NUTR 200	Nutrition for Health Services 3 credits, Grading Method: REG-P-F-AUD Prerequisites: CHEM 104 or CHEM 233, and ZOOL 200 or ZOOL 202 or ZOOL 211		
0101	MWF 8:00am-9:20am	Bldg. MMH, Room 3418	Staff
	TuTh 8:00am-10:00am	Bldg. MMH, Room 3418 (LAB)	Staff
	Nutrition related to maintenance of normal health and prevention of disease. Nutritional requirements for individuals in different stages of development, current concerns in nutrition for the professional in health services.		
NUTR 490	Special Problems in Nutrition 3 credits, Grading Method: REG-P-F-AUD Prerequisite: NUTR 440 and permission of department		
0101	Time Arranged	Room Arranged	Staff
	Individual selected problems in the area of human nutrition.		

NUTR continued

NUTR 498T	Selected Topics: Diet Counseling Strategies 2 credits, Grading Method: REG-P-F-AUD Prerequisite: a course in therapeutic nutrition. Not open for graduate credit		
0101	TuTh 7:00pm-9:15pm	Bldg. MMH, Room 3418	Tallmadge, K
NUTR 670	Intermediary Metabolism in Nutrition 3 credits, Grading Method: REG-AUD Prerequisites: BCHM 461, and BCHM 462, or equivalent. Also offered as NUSC 670.		
0101	MTuWThF 9:30am-10:50am	Bldg. MMH, Room 0108	Ahrens, R
	The major routes of carbohydrate, fat, and protein metabolism with particular emphasis on metabolic shifts and their detection and significance in nutrition.		
NUTR 678A	Selected Topics in Nutrition: Independent Study 1-6 credits, Grading Method: REG-AUD Permission of instructor required.		
0101	Time Arranged	Room Arranged	Staff
NUTR 789	Non-Thesis Research 1-3 credits, Grading Method: S-F		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
NUTR 799	Master's Thesis Research 1-6 credits, Grading Method: REG		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
NUTR 899	Doctoral Dissertation Research 1-8 credits, Grading Method: REG		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

PCOM

PUBLIC COMMUNICATION
(ARTS AND HUMANITIES)

PCOM 888	Doctoral Practicum in Public Communication 3-9 credits, Grading Method: REG-AUD		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
PCOM 889	Doctoral Tutorial in Public Communication 3-8 credits, Grading Method: REG-AUD		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
PCOM 899	Doctoral Dissertation Research 1-8 credits, Grading Method: REG		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

PHED

PHYSICAL EDUCATION
(PHYSICAL EDUCATION, RECREATION AND HEALTH)

PHED 137N	Physical Education Activities: Coed: Golf (Beginning) 1 credit, Grading Method: REG-P-F		
0101	MTuWTh 9:30am-10:50am	Bldg. GLF, Room 1102	Staff
0201	MTuWTh 9:30am-10:50am	Bldg. GLF, Room 1102	Tyler, R
PHED 154N	Physical Education Activities: Coed: Beginning Swimming 1 credit, Grading Method: REG-P-F		
0101	MTuWTh 1:00pm-2:20pm	Bldg. COL, Room 1206	Staff
0201	MTuWTh 1:00pm-2:20pm	Bldg. COL, Room 1206	Staff
PHED 155N	Physical Education Activities: Coed: Tennis (Beginning) 1 credit, Grading Method: REG-P-F		
0101	MTuWTh 8:00am-9:20am	Bldg. PRH, Room 2240	Staff
0102	MTuWTh 9:30am-10:50am	Bldg. PRH, Room 2240	Staff
0103	MTuWTh 11:00am-12:20pm	Bldg. PRH, Room 2240	Staff
0201	MTuWTh 8:00am-9:20am	Bldg. PRH, Room 2240	Staff
0202	MTuWTh 11:00am-12:20pm	Bldg. PRH, Room 2240	Staff
PHED 155O	Physical Education Activities: Coed: Tennis (Intermediate) 1 credit, Grading Method: REG-P-F		
0101	MTuWTh 8:00am-9:20am	Bldg. PRH, Room 2101	Vander Velden, L
0102	MTuWTh 9:30am-10:50am	Bldg. PRH, Room 2101	Vander Velden, L
0103	MTuWTh 11:00am-12:20pm	Bldg. PRH, Room 2101	Vander Velden, L
0201	MTuWTh 8:00am-9:20am	Bldg. PRH, Room 2101	Staff
0202	MTuWTh 11:00am-12:20pm	Bldg. PRH, Room 2101	Staff
PHED 157N	Physical Education Activities: Coed: Weight Training (Beginning) 1 credit, Grading Method: REG-P-F		
0101	MTuWTh 9:30am-10:50am	Bldg. PRH, Room 0103	Staff
0201	MTuWTh 8:00am-9:20am	Bldg. PRH, Room 0103	Staff
PHED 157O	Physical Education Activities: Coed: Weight Training (Intermediate) 1 credit, Grading Method: REG-P-F		
0101	MTuWTh 9:30am-10:50am	Bldg. PRH, Room 0103	Staff
0201	MTuWTh 8:00am-9:20am	Bldg. PRH, Room 0103	Staff
PHED 289	Topic Investigations 1-3 credits, Grading Method: REG Permission of department required.		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
PHED 300	Kinesiology 4 credits, Grading Method: REG-P-F-AUD Prerequisites: ZOOL 201, and ZOOL 202		
0201	MTuWTh 11:00am-1:00pm	Bldg. PRH, Room 2132	Kelley, D
	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.		
PHED 314	Methods in Physical Education 3 credits, Grading Method: REG-P-F-AUD MW 8:00am-11:00am	Bldg. PRH, Room 0307	Arrighi, M
0101	Application of educational philosophy and principles to class organization and techniques of teaching physical education.		
PHED 340	Theory of Coaching Athletics 2 credits, Grading Method: REG-P-F-AUD MW 7:00pm-9:00pm	Bldg. PRH, Room 1301	Drum, B
0101	General theory and practice of coaching selected competitive sports found in secondary schools and community recreational programs.		
PHED 350	The Psychology of Sports 3 credits, Grading Method: REG-P-F-AUD Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement.		
0201	TuTh 4:00pm-7:00pm	Bldg. PRH, Room 1301	Hatfield, B
	An exploration of the personality factors, including, but not limited to motivation, aggression and anxiety, as they affect sports participation and motor skill performance.		
PHED 360	Physiology of Exercise 3 credits, Grading Method: REG-P-F-AUD Meets USP Distributive Studies (B) Natural Sciences and Mathematics requirement. Prerequisites: [ZOOL 201 and ZOOL 202], or permission of department.		
0101	MTuWTh 9:30am-10:50am	Bldg. PRH, Room 2132	Vaccaro, P
	A study of the physiological 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.		

PHED continued

PHED 361	Weight Control Through Diet and Exercise 3 credits. Grading Method: REG P F A UD Lecture and laboratory			
0201	MTuWThF 11 00am-12 20pm	Bldg PRH Room 1303	Staff	
The basic principles of weight control are given and the students participate in diet and exercise programs.				
PHED 362	Philosophy of Sport 3 credits. Grading Method: REG P F A UD Meets USP Advanced Studies Development of Knowledge requirement			
0101	MTuWThF 8 00am-9 20am	Bldg PRH Room 1303	Hult, J	
Form and content of the philosophy of sport. The basis of knowledge in and about sport, the structure and theories 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.				
PHED 385	Motor Learning and Skilled Performance 3 credits. Grading Method: REG P F A UD Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement			
0201	MW 4 00pm-7 00pm	Bldg PRH Room 1301	Tyler, R	
A study of the research dealing with motor learning and motor performance. Scientific, methodological, individual differences, specificity, proprioceptive control of movement, motor automatization, transfer, and retention				
PHED 389	Topical Investigations 1-3 credits. Grading Method: REG Permission of department required			
0101	Time Arranged	Room Arranged	Staff	Staff
0201	Time Arranged	Room Arranged	Staff	Staff
PHED 481	Biophysical Aspects of Human Movement 3 credits. Grading Method: REG P F A UD Prerequisites: PHED 300, and PHED 360, and PHED 370, and PHED 385			
0101	TuTh 1 00pm-4 00pm	Bldg PRH Room 2132	Santamaría, D	
Scientific methods and research techniques in the investigation of the biophysical basis of human movement				
PHED 497	Independent Studies Seminar 3 credits. Grading Method: REG TuTh 4 00pm-7 00pm	Bldg PRH, Room 0307	Phillips, S	
Discussions of contemporary issues vital to the discipline, critiques of research in the student's area areas of special interest, completion of a major project where the student will be asked to demonstrate the ability to carry out investigative processes in problem solving and critical writing under faculty direction				
PHED 498A	Special Topics in Physical Education: Stress Testing and Adult Fitness 3 credits. Grading Method: REG P-F			
0101	MW 1 00pm-4 00pm	Bldg PRH Room 2132	Vaccaro, P	
PHED 689	Special Problems in Physical Education 1-3 credits. Grading Method: REG Permission of department required			
0101	Time Arranged	Room Arranged	Staff	Staff
0201	Time Arranged	Room Arranged	Staff	Staff
PHED 799	Master's Thesis Research 1-6 credits. Grading Method: REG Permission of department required			
0101	Time Arranged	Room Arranged	Staff	Staff
PHED 899	Doctoral Dissertation Research 1-8 credits. Grading Method: REG Permission of department required			
0101	Time Arranged	Room Arranged	Staff	Staff

PHIL

**PHILOSOPHY
(ARTS AND HUMANITIES)**

PHIL 100	Introduction to Philosophy 3 credits. Grading Method: REG P F A UD Meets USP Distributive Studies (A) Cultural and Historical requirement			
0101	MW 3 00pm-6 50pm	Bldg CSS, Room 2330	Martin, R	
0201	MTuWThF 11 00am-12 20pm	Bldg CSS, Room 2352	Odel, S	
An introduction to the literature, problems, and methods of philosophy, either through a study of the work of the main figures in philosophy thought or through an examination of some of the central and recurring problems of philosophy.				
PHIL 140	Contemporary Moral Issues 3 credits. Grading Method: REG P F A UD Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement			
0201	MTuWThF 12 30pm-1 50pm	Bldg CSS, Room 2330	Odel, S	
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.				
PHIL 170	Introduction to Logic 3 credits. Grading Method: REG P F A UD MW 12 30pm-2 45pm	Bldg CSS, Room 2352	Umbaugh, B	
A general introduction to the discipline of logic. Traditional and modern deductive techniques, informal fallacies.				
PHIL 308G	Studies in Contemporary Philosophy: Philosophy and Society 3 credits. Grading Method: REG P F A UD MTuWThF 11 00am-12 20pm	Bldg CSS, Room 2352	Fleishman, S	
The philosophical issues surrounding life in and out of Society: the requirements, resources, and concepts involved when individuals come together in organizations and institutions, the necessity of Society, the nature of Culture: the variety, and forms of social structures; the fundamental social and political ethics.				
PHIL 308J	Studies in Contemporary Philosophy: Philosophy and Economics 3 credits. Grading Method: REG P F A UD 0201 MTuWThF 2 00pm-3 20pm	Bldg CSS, Room 2330	Guyton, J	
Conceptual, pragmatic, and ethical issues concerning economics and business. The possibility and necessity of valuation and values: the fundamental nature of individuals, organizations, and preferences as well as regard to exchange and markets; conflicts between efficiency and fairness.				
PHIL 328B	Studies in the History of Philosophy: Marxist Philosophy 3 credits. Grading Method: REG P F A UD Meets USP Advanced Studies Development of Knowledge requirement			
0101	TuTh 3 00pm-6 50pm	Bldg CSS, Room 2330	Manukian, E	
Marx and Engels and the intellectual context out of which their thought grew, and the 20th century modifications by their successors responding to unforeseen developments in capitalist and communist societies.				
PHIL 342	Moral Problems in Medicine 3 credits. Grading Method: REG P F A UD Meets USP Advanced Studies Analysis of Human Problems requirement. Prerequisite: PHIL 100, PHIL 140, or permission of department.			
0201	MTuWThF 9 30am-10 50am	Bldg CSS, Room 2330	Loussau, K	
A critical examination of the moral dimensions of decision-making in health related contexts. Readings are drawn from philosophical, medical, and other sources.				
PHIL 386	Field Work 1-3 credits. Grading Method: REG P F A UD			
0101	Time Arranged	Room Arranged	Pasch, A	Staff
0201	Time Arranged	Room Arranged	Pasch, A	Staff
PHIL 387	Field Work Analysis 1-3 credits. Grading Method: REG P F A UD			
0101	Time Arranged	Room Arranged	Pasch, A	Staff
0201	Time Arranged	Room Arranged	Pasch, A	Staff

PHIL continued

PHIL 447	Philosophy of Law 3 credits. Grading Method: REG P F A UD Meets USP Advanced Studies Development of Knowledge requirement. Prerequisite: one course in philosophy			
0101	MTuWThF 9 30am-10 50am	Bldg CLB, Room 0104	Johnson, C	
0201	MWThF 4 30pm-6 45pm	Bldg CSS, Room 2352	Jackson, K	
Examination of fundamental concepts related to law, e.g., legal system, law and morality, justice, legal reasoning, responsibility.				
PHIL 498E	Topical Investigations 1-3 credits. Grading Method: REG P F A UD 0101 Time Arranged	Room Arranged	Staff	Staff
PHIL 498F	Topical Investigations 1-3 credits. Grading Method: REG P F A UD 0201 Time Arranged	Room Arranged	Staff	Staff
PHIL 688E	Selected Problems in Philosophy 1-3 credits. Grading Method: REG A UD 0101 Time Arranged	Room Arranged	Staff	Staff
PHIL 688F	Selected Problems in Philosophy 1-3 credits. Grading Method: REG A UD 0201 Time Arranged	Room Arranged	Staff	Staff
PHIL 799	Master's Thesis Research 1-6 credits. Grading Method: REG Contact department to make arrangements			
0101	Time Arranged	Room Arranged	Staff	Staff
0201	Time Arranged	Room Arranged	Staff	Staff
PHIL 899	Doctoral Dissertation Research 1-8 credits. Grading Method: REG Contact department to make arrangements			
0101	Time Arranged	Room Arranged	Staff	Staff
0201	Time Arranged	Room Arranged	Staff	Staff

**PHYS
(COMPUTER, MATHEMATICAL AND PHYSICAL SCIENCES)**

PHYS 121	Fundamentals of Physics I 4 credits. Grading Method: REG P F A UD Meets USP Distributive Studies (B) Natural Sciences and Mathematics requirement. Prerequisite: previous course work in trigonometry or MATH 115. This course meets entire Summer Session I plus the first two weeks of Summer Session II			
0101	Meets JUN 4 to JUL 27 MTuWTh 9 30am-10 50am	Bldg PHY, Room 1410	Restorff, K	
	MW 2 00pm-4 00pm	Bldg PHY, Room 3306 (LAB)		
	MW 1 00pm-1 50pm	Bldg PHY, Room 4220 (DIS)		
0102	Meets JUN 4 to JUL 27 MTuWTh 9 30am-10 50am	Bldg PHY, Room 1410	Restorff, K	
	TuTh 2 00pm-4 00pm	Bldg PHY, Room 3306 (LAB)		
	TuTh 1 00pm-1 50pm	Bldg PHY, Room 4220 (DIS)		
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.				
PHYS 122	Fundamentals of Physics II 4 credits. Grading Method: REG P F A UD Meets USP Distributive Studies (B) Natural Sciences and Mathematics requirement. Prerequisite: PHYS 121 or equivalent. This course meets entire Summer Session I plus the last 2 weeks of Summer Session II			
0101	Meets JUN 4 to JUL 27 MTuWTh 9 30am-10 50am	Bldg PHY, Room 0405	Rapport, M	
	MW 2 00pm-4 00pm	Bldg PHY, Room 3316 (LAB)		
	MW 1 00pm-1 50pm	Bldg PHY, Room 0405 (DIS)		
0102	Meets JUN 4 to JUL 27 MTuWTh 9 30am-10 50am	Bldg PHY, Room 0405	Rapport, M	
	TuTh 2 00pm-4 00pm	Bldg PHY, Room 3316 (LAB)		
	TuTh 1 00pm-1 50pm	Bldg PHY, Room 0405 (DIS)		
A continuation of PHYS 121, which together with it, generally satisfies the minimum requirement of medical and dental schools.				
PHYS 161	General Physics: Mechanics and Particle Dynamics 3 credits. Grading Method: REG P F A UD Meets USP Distributive Studies (B) Natural Sciences and Mathematics requirement. Pre- or corequisite: MATH 141. Credit will not be granted for PHYS 171 and PHYS 161 or PHYS 141 or former PHYS 161			
0101	MTuWThF 9 30am-10 50am	Bldg PHY, Room 1412	Fivel, D	
	MW 11 00am-12 00pm	Bldg PHY, Room 0405 (DIS)		
0102	MTuWThF 9 30am-10 50am	Bldg PHY, Room 1412	Fivel, D	
	TuTh 11 00am-12 00pm	Bldg PHY, Room 0405 (DIS)		
0103	MTuWThF 9 30am-10 50am	Bldg PHY, Room 1412	Fivel, D	
	MW 11 00am-12 00pm	Bldg PHY, Room 4220 (DIS)		
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.				
PHYS 262	General Physics: Vibrations, Waves, Heat, Electricity and Magnetism 4 credits. Grading Method: REG P F A UD Meets USP Distributive Studies (B) Natural Sciences and Mathematics requirement. Prerequisite: PHYS 161. Corequisite: PHYS 262A. Credit will not be granted for PHYS 272 and PHYS 142 or former PHYS 192 or PHYS 262. PHYS 262A must be taken concurrently.			
0201	MTuWThF 9 30am-10 50am	Bldg PHY, Room 1412	Staff	
	MW 11 00am-12 00pm	Bldg PHY, Room 4220 (DIS)		
0202	MTuWThF 9 30am-10 50am	Bldg PHY, Room 1412	Staff	
	TuTh 11 00am-12 00pm	Bldg PHY, Room 4220 (DIS)		
0203	MTuWThF 9 30am-10 50am	Bldg PHY, Room 1412	Staff	
	MW 11 00am-12 00pm	Bldg PHY, Room 1215 (DIS)		
Second semester of a three-semester calculus-based general physics course. Vibrations, waves, fluids, heat, kinetics theory, and thermodynamics; electrostatics, circuits, and magnetism. PHYS 262A is the lab for this course.				
PHYS 262A	General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory) No credit. Grading Method: NGI PHYS 262 must be taken concurrently.			
0201	MW 1 00pm-3 00pm	Bldg PHY, Room 3312 (LAB)	Staff	
0202	TuTh 1 00pm-3 00pm	Bldg PHY, Room 3312 (LAB)	Staff	
0203	MW 3 00pm-5 00pm	Bldg PHY, Room 3312 (LAB)	Staff	
PHYS 299	Special Problems in Physics 1-6 credits. Grading Method: REG P F A UD Permission of department required			
0101	Time Arranged	Room Arranged	Staff	Staff
0201	Time Arranged	Room Arranged	Staff	Staff
PHYS 399	Special Problems in Physics 1-3 credits. Grading Method: REG P F A UD Permission of department required			
0101	Time Arranged	Room Arranged	Staff	Staff
0201	Time Arranged	Room Arranged	Staff	Staff
PHYS 420	Principles of Modern Physics 3 credits. Grading Method: REG P F A UD Meets USP Advanced Studies Development of Knowledge requirement. Prerequisite: [PHYS 263 or PHYS 273 or PHYS 301] and MATH 241. Credit will be granted for only one of the following: PHYS 420 or PHYS 421.			
0101	MTuWThF 9 00pm-2 20pm	Bldg PHY, Room 1412	Fivel, D	
A survey of atomic and nuclear phenomena and the main trends in modern physics. Appropriate for students in engineering and other physical sciences.				

PHYS continued

PHYS 429	Atomic and Nuclear Physics Laboratory 3 credits. Grading Method: REG P-F A/D Permission of department required. This course meets entire Summer Session I plus the first two weeks of Summer Session II		
0101	Meets JUN 4 to JUL 27 MTu 1:00pm-6:00pm	Bldg PHY, Room 3120 (LAB)	Mathews, D
PHYS 499	Special Problems in Physics 1-16 credits. Grading Method: REG P-F A/D Permission of department required		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
PHYS 602	Statistical Physics 3 credits. Grading Method: REG A/D Prerequisite: PHYS 410 or equivalent. Credit will be granted for only one of the following: PHYS 602 or PHYS 603		
0101	MTuWThF 10:00am-11:20am	Bldg PHY, Room 1221	Kim, Y
	Statistical mechanics, thermodynamics, kinetic theory.		
PHYS 621	Graduate Laboratory 3 credits. Grading Method: REG A/D Permission of department required. The course meets entire Summer Session I plus the first four weeks of Summer Session II		
0101	Meets JUN 4 to AUG 10 MTu 1:00pm-6:00pm	Bldg PHY, Room 3120 (LAB)	Mathews, D
	Design and performance of advanced experiments in modern and classical physics.		
PHYS 624	Advanced Quantum Mechanics 3 credits. Grading Method: REG A/D Prerequisite: PHYS 623		
0201	MTuWThF 9:30am-10:50am	Bldg PHY, Room 4220	Oneda S
	Relativistic wave equations, second quantization in many body problems, and relativistic wave equations. Feynman-Dyson perturbation theory, applications to many body problems, application to quantum electrodynamics, elements of renormalization.		
PHYS 798	Special Problems in Advanced Physics 1-3 credits. Grading Method: REG A/D Permission of department required. Contact department to make arrangements		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
PHYS 799	Master's Thesis Research 1-6 credits. Grading Method: REG Permission of department required		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
PHYS 899	Doctoral Dissertation Research 1-8 credits. Grading Method: REG Permission of department required		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

PORT

PORTUGUESE
(ARTS AND HUMANITIES)

PORT 101	Elementary Portuguese 4 credits. Grading Method: REG P-F A/D Meets USP Distributive Studies (A) Cultural and Historical requirement		
0101	MTuWTh 9:30am-11:45am	Bldg JMZ, Room 0125	Gordo, M
	Introduction to basic structures, with emphasis upon audio-lingual skills. Leads to PORT 102		

PSYC

PSYCHOLOGY
(BEHAVIORAL AND SOCIAL SCIENCES)

PSYC 100	Introduction to Psychology 3 credits. Grading Method: REG P-F A/D Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement		
0101	MTuWThF 9:30am-10:50am	Bldg ZOP, Room 1243	Sternheim, C
0201	MTuWThF 9:30am-10:50am	Bldg ZOP, Room 1243	Johnson, J
	A basic introductory course, intended to bring the student into contact with the major problems confronting psychology and the more important attempts at their solution		
PSYC 200	Statistical Methods in Psychology 3 credits. Grading Method: REG P-F A/D Permission of department required. Prerequisite: PSYC 100 and MATH 111 or MATH 140 or MATH 222		
0101	MTuWThF 9:30am-10:50am	Bldg ZOP, Room 1236	Larkin, W
0201	MTuWThF 9:30am-10:50am	Bldg ZOP, Room 1238	Blair, M
	A basic introduction to quantitative methods used in psychological research		
PSYC 221	Social Psychology 3 credits. Grading Method: REG P-F A/D Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement. Prerequisite: PSYC 100		
0201	MTuWThF 11:00am-12:20pm	Bldg ZOP, Room 1243	Duan, C
	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		
PSYC 310	Perception 3 credits. Grading Method: REG P-F A/D Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement. Prerequisite: PSYC 410		
0101	MTuWThF 11:00am-12:20pm	Bldg ZOP, Room 2283	Sternheim, C
	A survey of phenomena and theories of perception including psychological, anatomical, physiological, and environmental factors important in determining how we perceive the world. Historical background will be examined as well as contemporary research		
PSYC 332	Psychology of Human Sexuality 3 credits. Grading Method: REG P-F A/D Prerequisite: PSYC 100		
0101	MTuWThF 11:00am-12:20pm	Bldg ZOP, Room 1250	Brown, R
	A survey of historical and contemporary psychological views on a wide array of sexual behaviors, theory and research bearing on the relationship between life-span psychological development, psychological functioning, interpersonal processes and sexual behaviors, political and social issues involved in current sexual norms and practices		
PSYC 334	Psychology of Interpersonal Relationships 3 credits. Grading Method: REG P-F A/D Prerequisite: PSYC 100		
0101	MTuWThF 9:30am-10:50am	Bldg ZOP, Room 1250	Brown, R
	Research, theory, and their practical applications pertaining to the development, maintenance and dissolution of human relationships. Processes critical to successful relating (e.g. communication, bargaining, conflict relations), and issues associated with troubled dyadic relations with equal partners (e.g. jealousy, spouse abuse, divorce)		
PSYC 336	Psychology of Women 3 credits. Grading Method: REG P-F A/D Prerequisite: PSYC 100		
0101	TuTh 5:00pm-8:00pm	Bldg ZOP, Room 1243	Dies, K
	A survey of the theory, life-span development, socialization, personality, mental health, and special issues of women		
PSYC 341	Introduction to Memory and Cognition 3 credits. Grading Method: REG P-F A/D Prerequisite: PSYC 100		
0201	MTuWThF 11:00am-12:20pm	Bldg ZOP, Room 1234	Johnson, J
	An introduction to the basic models, methods of research and findings in memory, problem-solving, and language and their applications		

PSYC continued

PSYC 353	Adult Psychopathology 3 credits. Grading Method: REG P-F A/D Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement. Prerequisite: PSYC 100. Credit will be granted for only one of the following: PSYC 353 and PSYC 331 or PSYC 431. Students may receive credit for only one of the following: PSYC 331, 353 or 431		
0101	MTuWThF 8:00am-9:20am	Bldg ZOP, Room 1250	Dies, R
0201	TuTh 2:00pm-5:00pm	Bldg ZOP, Room 1236	Coursey, R
	The nature, diagnosis, etiology and treatment of mental disorders among adults.		
PSYC 355	Child Psychology 3 credits. Grading Method: REG P-F A/D Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement. Prerequisite: PSYC 100. Not open to students who have completed PSYC 333 or PSYC 433		
0101	TuTh 2:00pm-5:00pm	Bldg ZOP, Room 1243	Hall, W
	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.		
PSYC 361	Survey of Industrial and Organizational Psychology 3 credits. Grading Method: REG P-F A/D Prerequisite: PSYC 100		
0101	MW 5:00pm-8:00pm	Bldg ZOP, Room 1236	Gunnarson, S
	A general survey of the field of industrial/organizational psychology including such topics as organizational entry (recruitment, selection, training, socialization), organizational psychology (motivation, leadership, job attitudes), and productivity in the work place (performance appraisal, absenteeism, turnover). The role that the larger environment plays in influencing work behaviors and work attitudes.		
PSYC 400	Experimental Psychology: Learning and Motivation 4 credits. Grading Method: REG P-F A/D Permission of department required. Prerequisites: PSYC 200, completion of the departmentally required English, math and science supporting course sequence; and permission of department		
0201	MTuWThF 11:00am-12:20pm	Bldg ZOP, Room 1236	Gollub, L
0202	MTuWTh 10:00am-10:50am	Bldg ZOP, Room 4102 (LAB)	Gollub, L
0202	MTuWTh 11:00am-12:20pm	Bldg ZOP, Room 1236	Gollub, L
0202	MTuWTh 12:30pm-1:20pm	Bldg ZOP, Room 4102 (LAB)	Gollub, L
	The experimental analysis of behavior, with emphasis on conditioning, learning and motivational processes. Experiments on the behavior of animals.		
PSYC 420	Experimental Psychology: Social Processes I 4 credits. Grading Method: REG P-F A/D Permission of department required. Prerequisite: PSYC 200; and PSYC 221; and completion of the departmentally required English, math, and science supporting course sequence; and permission of department		
0101	MTuWThF 9:30am-10:50am	Bldg ZOP, Room 0147	Sigall, H
	TuTh 11:00am-12:20pm		
0102	MTuWThF 9:30am-10:50am	Bldg ZOP, Room 0147	Sigall, H
	MW 11:00am-12:20pm		
0201	MTuWThF 9:30am-10:50am	Bldg ZOP, Room 0147 (LAB)	Heaton, A
	TuTh 8:00am-9:20am		
0202	MTuWThF 9:30am-10:50am	Bldg ZOP, Room 0147 (LAB)	Heaton, A
	MW 8:00am-9:20am		
	A laboratory course to provide a basic understanding of experimental method in social psychology and experience in conducting research on social processes.		
PSYC 432	Introduction to Counseling Psychology 3 credits. Grading Method: REG P-F A/D Prerequisite: 120 hours in psychology		
0101	MW 1:00pm-4:00pm	Bldg ZOP, Room 2283	Hayes, J
	A survey and critical analysis of research and intervention strategies developed and used by counseling psychologists. Examination of both historical and current trends in content and methodology.		
PSYC 435	Personality Theories 3 credits. Grading Method: REG P-F A/D Prerequisite: PSYC 100, and PSYC 200 or equivalent		
0201	TuTh 2:00pm-5:00pm	Bldg ZOP, Room 2283	Steele, R
	Major theories of personality and research methods and findings relevant to those theories.		
PSYC 466	Environmental and Ecological Psychology 3 credits. Grading Method: REG P-F A/D Prerequisite: PSYC 200 or equivalent		
0201	MW 2:00pm-5:00pm	Bldg ZOP, Room 1234	Steele, R
	An examination of measurement, description, and impact of the physical and social environments that affect various aspects of behavior in school, at work, and during leisure.		
PSYC 469H	Honors Thesis Proposal Preparation 1-3 credits. Grading Method: REG P-F A/D		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
PSYC 478	Independent Study in Psychology 1-3 credits. Grading Method: REG P-F A/D		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
PSYC 479	Special Research Problems in Psychology 1-3 credits. Grading Method: REG P-F A/D		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
PSYC 499H	Honors Thesis Research 3 credits. Grading Method: REG P-F A/D		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
PSYC 788	Special Research Problems 1-4 credits. Grading Method: REG A/D		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
PSYC 799	Master's Thesis Research 1-6 credits. Grading Method: REG		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
PSYC 899	Doctoral Dissertation Research 1-8 credits. Grading Method: REG		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

PUAF

PUBLIC AFFAIRS
(PUBLIC AFFAIRS)

PUAF 798B	Readings in Public Policy 1-3 credits. Grading Method: REG Permission of department required		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

RECR

RECREATION (PHYSICAL EDUCATION, RECREATION AND HEALTH)

RECR 130	Recreation and Leisure 3 credits Grading Method: REG P-F A UD Meets USF Distributive Studies (D) Social and Behavioral Sciences requirement
0101	MTuWThF 10:00am-11:20am Blog PRH Room 1302 Strobel A
0201	MTuWThF 10:00am-11:20am Blog PRH Room 1302 Staff
	The study of recreation and leisure behavior, including concepts, theories and terminology. Psychological, social, psychological and sociological factors that affect recreation and leisure behavior throughout the lifespan. Analysis of recreation and leisure behavior in our changing society.
RECR 335	Recreation and Leisure 3 credits Grading Method: REG P-F A UD
0101	TuTh 7:00pm-10:00pm Blog PRH Room 1302 Churchill J
0201	MW 7:00pm-10:00pm Blog PRH Room 1302 Verhoven Jr P
	Introduction to the study of leisure or park and recreation services. The challenges, opportunities, and problems of leisure as it affects individuals, lives and the social fabric of their local, national and world communities.
RECR 340	Field Work I 16 credits Grading Method: REG Permission of department required. Prerequisites: RECR 200, and permission of department. Sophomores and experience. Students may enroll for either Section 0101 or 0201 but must attend all class meetings during both summer sessions.
0101	Tu 7:00pm-8:00pm Blog PRH Room 0305 Staff
0201	Tu 7:00pm-8:00pm Blog PRH Room 0305 Staff
	Practical field experience in developing recreation activities. Leadership skills at an organized recreation department or agency. Students will be expected to make a commitment for a minimum of eight weeks of instruction.
RECR 341	Field Work II 8 credits Grading Method: REG Permission of department required. Prerequisites: RECR 300 and permission of department. Recreation majors only. Students may enroll for either Sections 0101 or 0201 but must attend all class meetings during both summer sessions.
0101	Tu 5:00pm-6:00pm Blog PRH Room 0305 Annand V
0201	Tu 5:00pm-6:00pm Blog PRH Room 0305 Annand V
	Observation and field work placement scheduled based on the basis of the student's interest and future employment plans. Leadership activities and participation in staff activities and responsibilities.
RECR 386	Field Work 1-3 credits Grading Method: REG Permission of department required. Advisor approval required before registration.
0101	Time Arranged Room Arranged Staff
0201	Time Arranged Room Arranged Staff
RECR 387	Field Work Analysis 1-3 credits Grading Method: REG Permission of department required. Advisor approval required before registration.
0101	Time Arranged Room Arranged Staff
0201	Time Arranged Room Arranged Staff
RECR 489	Field Laboratory Projects and Workshop 1-6 credits Grading Method: REG P-F A UD Permission of department required. Advisor approval required before registration.
0101	Time Arranged Room Arranged Staff
0201	Time Arranged Room Arranged Staff
RECR 498X	Special Topics in Recreation: Legal Liability in Leisure Services 3 credits Grading Method: REG P-F A UD
0101	TuTh 4:00pm-7:00pm Blog PRH Room 1302 Kozlowski J
RECR 498Y	Special Topics in Recreation: Computer Applications in Leisure Services 3 credits Grading Method: REG P-F A UD
0201	TuTh 4:00pm-7:00pm Blog PRH Room 1304 Staff
RECR 688	Special Problems in Recreation 1-6 credits Grading Method: REG Permission of department required. Graduate students only. Advisor approval required before registration.
0101	Time Arranged Room Arranged Staff
0201	Time Arranged Room Arranged Staff
RECR 688Z	Special Problems in Recreation: Conceptual Issues in Leisure Services Programing 3 credits Grading Method: REG A UD
0101	MW 7:00pm-10:00pm Blog PRH Room 0305 Strobel A
RECR 799	Master's Thesis Research 1-6 credits Grading Method: REG
0101	Time Arranged Room Arranged Staff
0201	Time Arranged Room Arranged Staff
RECR 899	Doctoral Dissertation Research 1-6 credits Grading Method: REG
0101	Time Arranged Room Arranged Staff
0201	Time Arranged Room Arranged Staff

RTVF

RADIO TELEVISION AND FILM (ARTS AND HUMANITIES)

RTVF 222	Introduction to Radio, Television, and Film 3 credits Grading Method: REG P-F A UD
0101	MTuWThF 12:30pm-1:50pm Blog TWS Room 2154 Brown D
0201	MTuWThF 9:30am-10:50am Blog TWS Room 2154 Pecora N
	The development and influence of radio, television, and film. Emphasis on the relationship of the industries to audiences, advertisers, and government.
RTVF 223	The Television Program: Planning and Management 3 credits Grading Method: REG P-F A UD Prerequisite: RTVF 222.
0201	MTuWThF 9:30am-10:50am Blog TWS Room 0147 Lancaster D
	Study of basic program formats and variations with special emphasis on pre-production planning, production organization, management, facility utilization.
RTVF 302	Beginning Sound Production 3 credits Grading Method: REG A UD Permission of department required. Prerequisite: RTVF 223.
0201	MTuWThF 12:30pm-1:50pm Blog TWS Room 0131 Lancaster D
	Practical experience in sound production, including scripting, acoustic planning, recording, editing, and coordination of personnel. Application principally toward radio.
RTVF 314	Introduction to the Film 3 credits Grading Method: REG P-F A UD Meets USF Distributive Studies (C) Literature and the Arts requirement.
0101	TuWThF 9:00am-11:30am Blog TWS Room 2154 Weiss G
	An elementary survey of the film as an art form. The medium of the cinema, a brief survey of its development, film genres, esthetics, criticism, and the current international scene. Significant American and foreign films are viewed.
RTVF 317	Introduction to Writing For Radio, Television, Film 3 credits Grading Method: REG A UD Prerequisites: RTVF 222.
0101	MTuWThF 9:30am-10:50am Blog TWS Room 0138 Robinson E
	Methods and principles of writing for radio, TV, film. Basic formats, theories, and writing styles in broadcast and film, public service announcements, commercials, campaigns, video and film script formats.

RTVF continued

RTVF 351	Television Programming 3 credits Grading Method: REG P-F A UD Prerequisite: RTVF 223.
0101	TuWTh 10:00pm-3:00pm Blog TWS Room 0138 Blum R
	The course examines programming trends, theories, and strategies in American television. It explores two main programming areas: program development and current programming theories and practices. Students analyze current network theories and strategies. In a group simulation process, class learns work on original programs and schedules to compete with current network practices.
RTVF 356	Film Production I, Introduction 3 credits Grading Method: REG P-F A UD Prerequisites: for majors: RTVF 314 and permission of department. For non-majors: permission of department.
0101	TuWTh 12:30pm-3:00pm Blog TWS Room 2218 Weiss G
	Introduction to production and technical aspects of film.
RTVF 384	Field Work Experience 1-3 credits Grading Method: S-F Permission of department required. Prerequisite: permission of department. For RTVF majors only.
0101	Time Arranged Room Arranged Staff
0201	Time Arranged Room Arranged Staff
	Supervised, professional field work experience in business, industry, government or education.
RTVF 385	Field Work Analysis 1-3 credits Grading Method: REG A UD Permission of department required. Prerequisite: permission of department. For RTVF majors only.
0101	Time Arranged Room Arranged Staff
0201	Time Arranged Room Arranged Staff
	A seminar and/or a written critique of the field work experience is required.
RTVF 417	Screenwriting for TV and Film I 3 credits Grading Method: REG A UD Permission of department required. Prerequisites: RTVF 317 or equivalent and permission of department.
0101	TuTh 3:00pm-6:00pm Blog TWS Room 0135 Blum R
	Principles of story and character development; theories of drama and comedy; film script format. Course concentrates on plot structure and screenplay form. Students write original treatment and first half of screenplay for film or television. Projects are critiqued in group views and script conferences.
RTVF 425	Television and Politics 3 credits Grading Method: REG P-F A UD
0101	MW 3:00pm-6:00pm Blog TWS Room 2154 Dean K
	Critical review of studies of the effects of political broadcasts, legal and social issues, surveys and media campaigns.
RTVF 454	Cable Television 3 credits Grading Method: REG P-F A UD Prerequisite: RTVF 223.
0201	MTuWThF 10:00am-12:20pm Blog TWS Room 0147 Aylward T
	History, regulatory development, system designs, communications capability and franchising of cable television.
RTVF 456	Structure and Criticism of TV Advertising 3 credits Grading Method: REG Prerequisites: RTVF 222, and RTVF 223 and RTVF 317.
0101	MTuWThF 11:30am-12:50pm Blog TWS Room 0147 Robinson E
	An examination of the persuasive power of television advertising. Analysis of form, structure and content of the television commercial and techniques used to influence attitudes and behavior.
RTVF 498	Seminar 3 credits Grading Method: REG P-F A UD Permission of department required.
0101	Time Arranged Room Arranged Staff
0201	Time Arranged Room Arranged Staff
RTVF 617	Screenwriting I 3 credits Grading Method: REG A UD Prerequisite: permission of instructor.
0101	TuTh 3:00pm-6:00pm Blog TWS Room 0135 Blum R
	Method, analysis, and techniques of dramatic writing for motion pictures and television. Story plotting, characterization, script structure. Students write original film treatment and major portion of screenplay draft.
RTVF 699	Independent Study 1-3 credits Grading Method: REG A UD Permission of department required.
0101	Time Arranged Room Arranged Staff
0201	Time Arranged Room Arranged Staff
RTVF 799	Master's Thesis Research 1-6 credits Grading Method: REG
0101	Time Arranged Room Arranged Staff
0201	Time Arranged Room Arranged Staff

RUSS

RUSSIAN (ARTS AND HUMANITIES)

RUSS 101	Elementary Russian I 5 credits Grading Method: REG P-F A UD Meets USF Distributive Studies (A) Cultural and Historical requirement. Not open to native speakers of Russian.
0101	MTuWThF 9:30am-12:20pm Blog JMZ, Room 2102 Berry T
	Elements of grammar, pronunciation, conversation and reading; exercises in translation.
RUSS 102	Elementary Russian II 5 credits Grading Method: REG P-F A UD Meets USF Distributive Studies (A) Cultural and Historical requirement. Prerequisite: RUSS 101. Not open to native speakers of Russian.
0201	MTuWThF 9:30am-12:20pm Blog JMZ, Room 0204 Hitchcock D
	Continuation of RUSS 101. Elements of grammar, pronunciation, and conversation; exercises in translation.
RUSS 201	Intermediate Russian I 4 credits Grading Method: REG P-F A UD Prerequisite: RUSS 102. Not open to native speakers of Russian.
0101	MTuWThF 9:30am-12:20pm Blog JMZ, Room 0204 Schallert, W
	Continuation of RUSS 102. For students planning to continue the study of Russian. Review and expansion of grammar knowledge, conversation and reading skills; exercises in translation. Note: this new RUSS 201 has no relation to the old SL W 201, which is to be eliminated.
RUSS 202	Intermediate Russian II 4 credits Grading Method: REG P-F A UD Prerequisite: RUSS 201. Not open to native speakers of Russian.
0201	MTuWThF 9:30am-12:20pm Blog JMZ, Room 2125 Staff
	Continuation of RUSS 201. Review and expansion of grammar knowledge, conversation and reading skills. Exercises in translation.
RUSS 798	Independent Study 1-3 credits Grading Method: REG
0101	Time Arranged Room Arranged Staff
0201	Time Arranged Room Arranged Staff
RUSS 799	Master's Thesis Research 1-6 credits Grading Method: REG
0101	Time Arranged Room Arranged Staff
0201	Time Arranged Room Arranged Staff

SLAV

SLAVIC (ARTS AND HUMANITIES)

SLAV 499	Directed Study 1-3 credits Grading Method: REG P-F A UD
0101	Time Arranged Room Arranged Staff
0201	Time Arranged Room Arranged Staff

SOCY

SOCIOLOGY (BEHAVIORAL AND SOCIAL SCIENCES)

SOCY 100		Introduction to Sociology 3 credits; Grading Method: REG/P-F/AUD Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement
0101	MtUwThF 9:30am-10:50am	Bldg. ASY, Room 3207 Lergemann, J.
0201	MtUwThF 2:00pm-3:20pm	Bldg. ASY, Room 3203 Hirzel, R.
The fundamental concepts and principles of sociology. Includes consideration of culture, patterns of social interaction, norms, values, social institutions, stratification, and social change.		
SOCY 105		Introduction to Contemporary Social Problems 3 credits; Grading Method: REG/P-F/AUD Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement. Not open to students who have completed SOCY 210.
0201	MtUwThF 11:00am-12:20pm	Bldg. ASY, Room 3207 Finsterbusch, K.
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 control.		
SOCY 201		Introductory Statistics for Sociology 4 credits; Grading Method: REG/P-F/AUD Meets USP Distributive Studies (B) Natural Sciences and Mathematics requirement. Prerequisite: SOCY 100 or SOCY 105 and MATH 110 or equivalent.
0101	MtUwThF 12:30pm-1:50pm	Bldg. ASY, Room 3203 Harper, G.
	TuTh 8:00am-10:30am	Bldg. ASY, Room 2309 (LAB)
Elementary descriptive and inferential statistics. Construction and percentage 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.		
SOCY 203		Sociological Theory 3 credits; Grading Method: REG/P-F/AUD Prerequisite: SOCY 100 or SOCY 105
0101	MtUwThF 9:30am-10:50am	Bldg. ASY, Room 3203 Hunt, L.
Development of sociological theory; historical backgrounds; recent theories of society. Required of all sociology majors.		
SOCY 300		American Society 3 credits; Grading Method: REG/P-F/AUD Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement
0201	MtUwThF 2:00pm-3:20pm	Bldg. ASY, Room 3207 LeMoine, T.
The social structure and organization of American society with special reference to recent social change. A sociological perspective on urban and other population trends; the character structure, values, and ideology of Americans; social movements and changes in work, family life and recreation.		
SOCY 325		Sex Roles 3 credits; Grading Method: REG-P-F/AUD Meets USP Distributive Studies (A) Cultural and Historical requirement
0101	MtUwThF 11:00am-12:20pm	Bldg. ASY, Room 3203 Hunt, J.
0201	MtUwThF 11:00am-12:20pm	Bldg. ARC, Room 1105 Staff
0201	MtUwThF 9:30am-10:50am	Bldg. ASY, Room 3203 Aytac, I.
Sex role differentiation and inequality from a sociological perspective; institutional bases of sex inequality, cultural views of the sexes, sex-role socialization and sex-role change. Emphasis on contemporary American society.		
SOCY 327		Introduction to the Study of Deviance 3 credits; Grading Method: REG/P-F/AUD Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement. Prerequisite: SOCY 100 or SOCY 105. Not open to students who have completed SOCY 427.
0101	MtUwThF 12:30pm-1:50pm	Bldg. ASY, Room 3207 Landry, L.
An introduction to the sociological study of deviant behavior, covering such topics as mental illness, sexual deviance, and the use of drugs.		
SOCY 343		Sociology of Marriage and Family 3 credits; Grading Method: REG-P-F/AUD Prerequisite: SOCY 100 or SOCY 105
0201	MtUwThF 12:30pm-1:50pm	Bldg. ASY, Room 3207 McIntyre, J.
The sociological study of marriage and family life, including a consideration of demographic trends in marriage, childbearing, divorce; sociological theories of mate selection, marital interaction, and marital dissolution. The course includes discussion of some contemporary controversial issues, such as the relationship of unmarried couples, alternative marriage forms, abortion, and violence in the family.		
SOCY 386		Field Work 1-3 credits; Grading Method: REG-P-F/AUD Permission of department required.
0101	Time Arranged	Room Arranged Staff
0201	Time Arranged	Room Arranged Staff
SOCY 387		Field Work Analysis 1-3 credits; Grading Method: REG-P-F/AUD Permission of department required.
0101	Time Arranged	Room Arranged Staff
0201	Time Arranged	Room Arranged Staff
SOCY 399		Independent Study in Sociology 1-6 credits; Grading Method: REG-P-F/AUD Permission of department required.
0101	Time Arranged	Room Arranged Staff
0201	Time Arranged	Room Arranged Staff
SOCY 410		Population I 3 credits; Grading Method: REG-P-F/AUD Prerequisite: junior standing, SOCY 100 or SOCY 105 not required.
0101	MtUwThF 11:00am-12:20pm	Bldg. ASY, Room 3207 Kammeyer, K.
Population distribution and growth; sources of demographic data; population composition; population theories; mortality, fertility and family planning, migration, and population problems and policy.		
SOCY 441		Social Stratification and Inequality 3 credits; Grading Method: REG-P-F/AUD Meets USP Advanced Studies Analysis of Human Problems requirement. Prerequisite: SOCY 341 or permission of department.
0101	MtUwThF 2:00pm-3:20pm	Bldg. ASY, Room 3203 Pease, J.
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.		
SOCY 699		Special Social Problems 1-16 credits; Grading Method: REG/AUD
0101	Time Arranged	Room Arranged Staff
0201	Time Arranged	Room Arranged Staff
SOCY 799		Master's Thesis Research 1-6 credits; Grading Method: REG
0101	Time Arranged	Room Arranged Staff
0201	Time Arranged	Room Arranged Staff
SOCY 899		Doctoral Dissertation Research 1-8 credits; Grading Method: REG
0101	Time Arranged	Room Arranged Staff
0201	Time Arranged	Room Arranged Staff

SPAN

SPANISH (ARTS AND HUMANITIES)

SPAN 101		Elementary Spanish 4 credits; Grading Method: REG-P-F/AUD Meets USP Distributive Studies (A) Cultural and Historical requirement. Recommended for students without previous experience or who have completed Level 1 with grade of A or B or Level 2 with grade of C or below in high school.
0101	MtUwThF 9:30am-11:45am	Bldg. JMZ, Room 1215 Perez, A.
0102	MtUwThF 9:30am-11:45am	Bldg. JMZ, Room 1216 Little, K.
0201	MtUwThF 9:30am-11:45am	Bldg. JMZ, Room 0208 Ramsey, L.
Introduction to basic structures, with emphasis upon understanding and speaking.		

SPAN continued

SPAN 102		Elementary Spanish 4 credits; Grading Method: REG-P-F/AUD Meets USP Distributive Studies (A) Cultural and Historical requirement. Recommended for students who have completed Level 2 with grade of A or B in high school or SPAN 101 at UMCP or the first semester of college Spanish at another institution.
0101	MtUwThF 9:30am-11:45am	Bldg. JMZ, Room 1120 Garcia-Lozada, A.
0201	MtUwThF 9:30am-11:45am	Bldg. JMZ, Room 1224 Lagos, C.
Continuation of SPAN 101, with increasing emphasis upon reading skill, reinforced by discussion and composition.		
SPAN 203		Intermediate Spanish 4 credits; Grading Method: REG-P-F/AUD Meets USP Distributive Studies (A) Cultural and Historical requirement. Recommended for students who have completed Level 3 with grade of A or B or Level 4 with grade of C or below in high school, or the first and second semesters of college Spanish. Formerly SPAN 102.
0101	MtUwThF 9:30am-11:45am	Bldg. JMZ, Room 1226 Uribe, M.
0201	MtUwThF 9:30am-11:45am	Bldg. JMZ, Room 2207 Ding, Z.
Continued development of the skills of understanding and speaking with supplementary attention to reading and writing. Enriched course of study, with broad oral base and related development of reading and writing.		
SPAN 204		Review of Oral and Written Spanish 3 credits; Grading Method: REG-P-F/AUD Meets USP Distributive Studies (A) Cultural and Historical requirement. Recommended for students who have completed SPAN 203 at UMCP, or third semester college Spanish at another institution, or Level 4 with grade of A or B in high school. Formerly SPAN 201.
0101	MtUwThF 9:30am-11:15am	Bldg. JMZ, Room 1117 Downey-Vanover, J.
0201	MtUwThF 9:30am-11:15am	Bldg. JMZ, Room 2122 Bracho, C.
A practical language course recommended for all students continuing in Spanish.		
SPAN 221		Readings in Spanish 3 credits; Grading Method: REG-P-F/AUD Meets USP Distributive Studies (C) Literature and the Arts requirement. Prerequisite: SPAN 204.
0201	MtUwThF 9:30am-11:15am	Bldg. JMZ, Room 1211 Patino, R.
Selected readings from various genres in Spanish and Spanish American literature. Discussion and brief written reports in Spanish.		
SPAN 311		Advanced Conversation I 3 credits; Grading Method: REG-P-F/AUD Meets USP Distributive Studies (A) Cultural and Historical requirement. Prerequisite: SPAN 204 or SPAN 205 or permission of department. Not open to native speakers.
0101	MtUwThF 9:30am-11:15am	Bldg. JMZ, Room 1104 Rebaza-Soruluz, L.
Designed to develop fluency and accuracy in speaking Spanish.		
SPAN 312		Advanced Conversation II 3 credits; Grading Method: REG-P-F/AUD Meets USP Distributive Studies (A) Cultural and Historical requirement. Prerequisite: SPAN 205 or SPAN 311 or permission of department. Not open to native speakers.
0201	MtUwThF 9:30am-11:15am	Bldg. JMZ, Room 1215 Puente-Guerra, A.
SPAN 321		Survey of Spanish Literature: 12th-17th Century 3 credits; Grading Method: REG-P-F/AUD Meets USP Distributive Studies (C) Literature and the Arts requirement.
0101	MW 9:30am-12:20pm	Bldg. JMZ, Room 1122 Benito-Vessels, C.
SPAN 322		Survey of Spanish Literature: 18th-20th Century 3 credits; Grading Method: REG-P-F/AUD Meets USP Distributive Studies (C) Literature and the Arts requirement.
0201	TuTh 9:30am-12:20pm	Bldg. JMZ, Room 1226 Castano, A.
SPAN 324		Survey of Spanish-American Literature II 3 credits; Grading Method: REG-P-F/AUD Meets USP Distributive Studies (C) Literature and the Arts requirement.
0201	MW 9:30am-12:20pm	Bldg. JMZ, Room 1226 Sanjines, J.
Basic survey of the history of Spanish-American literature.		
SPAN 399		Independent Study in Spanish 1-3 credits; Grading Method: REG-P-F/AUD
0101	Time Arranged	Room Arranged Staff
0201	Time Arranged	Room Arranged Staff
SPAN 408		Great Themes of the Hispanic Literatures: Libro de buen amor 3 credits; Grading Method: REG-P-F/AUD
0101	MW 9:30am-12:20pm	Bldg. JMZ, Room 1103 Benito-Vessels, C.
SPAN 409		Great Themes of the Hispanic Literatures 3 credits; Grading Method: REG-P-F/AUD
0201	TuTh 9:30am-12:20pm	Bldg. JMZ, Room 1122 Sanjines, J.
SPAN 699		Independent Study in Spanish 1-3 credits; Grading Method: REG/AUD
0101	Time Arranged	Room Arranged Staff
0201	Time Arranged	Room Arranged Staff
SPAN 799		Master's Thesis Research 1-6 credits; Grading Method: REG
0101	Time Arranged	Room Arranged Staff
0201	Time Arranged	Room Arranged Staff
SPAN 899		Doctoral Dissertation Research 1-8 credits; Grading Method: REG
0101	Time Arranged	Room Arranged Staff
0201	Time Arranged	Room Arranged Staff

SPCH

SPEECH (ARTS AND HUMANITIES)

SPCH 100		Basic Principles of Speech Communication 3 credits; Grading Method: REG-P-F/AUD Credit will be granted for only one of the following: SPCH 100 or SPCH 107.
0101	MtUwThF 8:00am-9:20am	Bldg. TWS, Room 1202 Staff
0102	MtUwThF 9:30am-10:50am	Bldg. TWS, Room 1202 Staff
0103	MtUwThF 9:30am-10:50am	Bldg. TWS, Room 2228 Staff
0104	MtUwThF 11:00am-12:20pm	Bldg. TWS, Room 1202 Staff
0105	MtUwThF 11:00am-12:20pm	Bldg. TWS, Room 2212 Staff
0201	MtUwThF 8:00am-9:20am	Bldg. TWS, Room 2212 Staff
0202	MtUwThF 9:30am-10:50am	Bldg. TWS, Room 2212 Staff
0203	MtUwThF 9:30am-10:50am	Bldg. TWS, Room 2228 Staff
0204	MtUwThF 11:00am-12:20pm	Bldg. TWS, Room 2212 Staff
Prerequisite for advanced speech courses. A study of oral communication principles, including verbal and nonverbal language, listening, group dynamics, and public speaking. Emphasis in this course is upon the application of these principles to contemporary problems and upon the preparation of different types of oral discourse.		
SPCH 107		Technical Speech Communication 3 credits; Grading Method: REG-P-F/AUD Credit will be granted for only one of the following: SPCH 100 or SPCH 107.
0101	MtUwThF 8:00am-9:20am	Bldg. TWS, Room 0131 Staff
0102	MtUwThF 9:30am-10:50am	Bldg. TWS, Room 0131 Staff
0103	MtUwThF 9:30am-10:50am	Bldg. TWS, Room 2228 Staff
0201	MtUwThF 8:00am-9:20am	Bldg. TWS, Room 0138 Staff
0202	MtUwThF 9:30am-10:50am	Bldg. TWS, Room 0138 Staff
0203	MtUwThF 11:00am-12:20pm	Bldg. TWS, Room 1204 Staff
A study of oral communication as it is part of technical fields. Emphasis in this course is on the principles and techniques of interviewing, group discussion, listening, and informative and persuasive briefings and speeches.		

SPCH continued

SPCH 125 Introduction to Interpersonal Communication 3 credits, Grading Method: REG/P-F/AUD			
0101	MTuWThF 9:30am-10:50am	Bldg TWS, Room 1204	Edgar, T
0102	MTuWThF 11:00am-12:20pm	Bldg TWS, Room 1204	Edgar, T
0201	MTuWThF 11:00am-12:20pm	Bldg TWS, Room 0131	Staff
Concepts of interpersonal communication including perception, language and meaning, non-verbal communication, listening and feedback.			
SPCH 170 Foundations of Listening 3 credits, Grading Method: REG/P-F/AUD			
0101	MTuWThF 9:30am-10:50am	Bldg TWS, Room 0135	Stem, S
0201	MTuWThF 9:30am-10:50am	Bldg TWS, Room 0135	Scanga, C
Role, process, and levels of listening behavior and the development of listening skills.			
SPCH 200 Advanced Public Speaking 3 credits, Grading Method: REG/P-F/AUD			
Prerequisite: SPCH 100 or SPCH 107 or permission of department			
0101	MTuWThF 11:00am-12:20pm	Bldg TWS, Room 0135	Staff
0201	MTuWThF 1:00pm-2:20pm	Bldg EDU, Room 0206	McCaleb, J
Rhetorical principles and models of speech composition in conjunction with the preparation and presentation of specific forms of public speech.			
SPCH 230 Argumentation and Debate 3 credits, Grading Method: REG/P-F/AUD			
0101	MTuWThF 8:00am-9:20am	Bldg TWS, Room 2212	Black, D
0102	MTuWThF 9:30am-10:50am	Bldg TWS, Room 2212	Black, D
0201	MTuWThF 11:00am-12:20pm	Bldg TWS, Room 0135	Costanza, J
A study of the fundamental principles of reasoning, analysis, and evidence preparation of debate briefs and presentation of standard academic debate.			
SPCH 324 Communication and Gender 3 credits, Grading Method: REG/P-F/AUD			
Meets USP Advanced Studies Analysis of Human Problems requirement			
0101	TuTh 3:00pm-4:30pm	Bldg TWS, Room 0131	Dean, K
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.			
SPCH 330 Argumentation in Society 3 credits, Grading Method: REG/P-F/AUD			
0101	MTuWThF 12:30pm-2:00pm	Bldg TWS, Room 0135	Gaines, R
Contemporary theories of argument with special emphasis on the role of argument in dispute resolution and social influence.			
SPCH 400 Research Methods in Speech Communication 3 credits, Grading Method: REG/AUD			
Prerequisite: introductory course in statistics or permission of department. Recommended: SPCH 350 to be taken during junior year			
0201	TuTh 2:30pm-5:30pm	Bldg TWS, Room 0147	Fink, E
Philosophy of science, role of theory, research ethics, empirical research methods (measurement, sampling, design analysis).			
SPCH 401 Foundations of Rhetoric 3 credits, Grading Method: REG/AUD			
0101	MTuWThF 9:30am-10:50am	Bldg TWS, Room 0147	Solomon, M
Principles and approaches to the theory, criticism, and historical understanding of rhetorical discourse.			
SPCH 402 Communication Theory and Process 3 credits, Grading Method: REG/AUD			
Recommended: SPCH 350			
0101	MTuWThF 2:00pm-3:20pm	Bldg TWS, Room 0147	Gaines, R
Philosophical and conceptual analysis of speech communication theories.			
SPCH 461 American Public Address in the 20th Century 3 credits, Grading Method: REG/P-F/AUD			
Prerequisite: SPCH 401 or permission of department			
0101	MTuWThF 11:00am-12:20pm	Bldg TWS, Room 0138	Solomon, M
Rhetorical movements and influential speakers from 1900 to the present. Focus on the theories and rhetorical strategies that characterize contemporary rhetorical discourse.			
SPCH 488 Speech Communication Internship 1-3 credits, Grading Method: REG/P-F/AUD			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
SPCH 489 Topical Research 1-3 credits, Grading Method: REG			
Permission of department required			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
SPCH 498P Seminar: Television and Politics 3 credits, Grading Method: REG/P-F/AUD			
0101	MW 3:00pm-6:00pm	Bldg TWS, Room 2154	Dean, K
SPCH 775 Seminar in Persuasion and Attitude Change 3 credits, Grading Method: REG/AUD			
0201	TuTh 7:00pm-10:00pm	Bldg TWS, Room 2212	Fink, E
This seminar will concentrate on the problem of making persuasive strategy decisions. Course content will consist of study of both theoretical and empirical research on attitude and attitude change in persuasive communication.			
SPCH 798 Independent Study 1-3 credits, Grading Method: REG/AUD			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
SPCH 799 Master's Thesis Research 1-6 credits, Grading Method: REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

STAT STATISTICS AND PROBABILITY (COMPUTER, MATHEMATICAL AND PHYSICAL SCIENCES)

STAT 400 Applied Probability and Statistics 1-3 credits, Grading Method: REG/P-F/AUD			
Prerequisite: MATH 141			
0101	MTuWThF 8:00am-9:20am	Bldg MTH, Room 0307	Staff
0102	MTuWThF 9:30am-10:50am	Bldg MTH, Room 0307	Staff
0202	MTuWThF 9:30am-10:50am	Bldg MTH, Room 0409	Staff
0209	MTuWThF 9:30am-10:50am	Bldg MTH, Room 1313	Staff
Random variables, standard distributions, moments, law of large numbers, and central limit theorem. Sampling methods, estimation of parameters, testing of hypotheses. (Not acceptable toward graduate degrees in STAT, MAEP or MAH.)			
STAT 799 Master's Thesis Research 1-6 credits, Grading Method: REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
STAT 899 Doctoral Dissertation Research 1-8 credits, Grading Method: REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

TEXT TEXTILES (HUMAN ECOLOGY)

TEXT 205 Textile Materials and Performance 3 credits, Grading Method: REG/P-F/AUD			
Prerequisite: TEXT 105 Recommended: prior or concurrent registration in CHEM 103 Formerly TEXT 150			
0101	TuWThF 9:30am-10:50am	Bldg MMH, Room 2401	Block, I
	TuTh 11:00am-12:20pm	Bldg MMH, Room 2401 (LAB)	
Analysis of the structural components of consumer textile materials with emphasis on yarns, fibers, dyes and finishes as they relate to textile performance in consumer use.			

TEXT continued

TEXT 221 Apparel I 3 credits, Grading Method: REG/P-F/AUD			
0101	MTuWTh 2:00pm-5:00pm	Bldg MMH, Room 2208 (LAB)	Funderburk, J
A study of the fundamental principles and processes of pattern design and apparel construction. The relation of commercial patterns and construction techniques to apparel design problems.			
TEXT 305 Textile Materials: Evaluation and Characterization 3 credits, Grading Method: REG/P-F/AUD			
Prerequisite: TEXT 205 Formerly TEXT 250			
0201	MTuWTh 9:30am-10:50am	Bldg MMH, Room 2201	Staff
	TuTh 11:00am-1:30pm	Bldg MMH, Room 2201 (LAB)	
An investigation of the behavior of textile materials in relation to environmental factors and conditions of service influencing performance, comfort and aesthetics. Laboratory experience provides an opportunity to explore a variety of textile materials and methods of evaluation.			
TEXT 363 History of Textiles 3 credits, Grading Method: REG/P-F/AUD			
Meets USP Distributive Studies (A) Cultural and Historical requirement			
0201	MTuWThF 9:30am-10:50am	Bldg MMH, Room 0128	Anderson, C
A study of historic and contemporary fibers and fabrics. The analysis of designs and techniques of decorating fabrics and the relationship of textiles to the aesthetic and developmental cultures of society.			
TEXT 375 Economics of the Textile and Apparel Industry 3 credits, Grading Method: REG/P-F/AUD			
Prerequisites: ECON 201, and ECON 203			
0101	MTuWThF 8:00am-9:20am	Bldg MMH, Room 0108	Zhang, Z
Trends in the production and consumption of textiles and apparel, economic analysis of the textile and apparel industries, factors affecting changes in output, price, location and market structure.			
TEXT 388 Field Work and Analysis in Textiles 3 credits, Grading Method: S-F			
Permission of department required. Limited to majors in textiles and consumer economics			
0101	Time Arranged	Room Arranged	Wagner, J
0201	Time Arranged	Room Arranged	Wagner, J
TEXT 498 Special Studies 2-4 credits, Grading Method: REG/P-F/AUD			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

THET THEATRE (ARTS AND HUMANITIES)

THET 110 Introduction to the Theatre 3 credits, Grading Method: REG/P-F/AUD			
Meets USP Distributive Studies (C) Literature and the Arts requirement			
0101	MTuWThF 9:30am-10:50am	Bldg TWS, Room 0241	Oleary, R
0102	MTuWThF 11:00am-12:20pm	Bldg TWS, Room 0241	Staff
0201	MTuWThF 11:00am-12:20pm	Bldg TWS, Room 0241	Schuler, C
0202	MTuWThF 9:30am-10:50am	Bldg TWS, Room 0241	Elam, H
Introductory 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.			
THET 120 Acting I 3 credits, Grading Method: REG/P-F/AUD			
Prerequisites: THET 110, and THET 111 or permission of department			
0201	MTuWThF 11:00am-12:20pm	Bldg TWS, Room 1228	Elam, H
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 portrayals through performance of short scenes.			
THET 310 The American Theatre 3 credits, Grading Method: REG/P-F/AUD			
Meets USP Distributive Studies (A) Cultural and Historical requirement			
0101	MTuWThF 11:00am-12:20pm	Bldg TWS, Room 0131	Oleary, R
An analysis of the theatre: plays, events, and social forces which shaped an evolution from the colonial beginnings of artistic dependence on England to the uniquely American theatre of today.			
THET 386 Field Work 1-3 credits, Grading Method: REG/P-F/AUD			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
THET 387 Field Work Analysis 1-3 credits, Grading Method: REG/P-F/AUD			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
THET 479 Theater Workshop 1-3 credits, Grading Method: REG/P-F/AUD			
Permission of department required			
0101	Time Arranged	Room Arranged	Knebs, D
THET 495 History of Theatre and Criticism 3 credits, Grading Method: REG/P-F/AUD			
Meets USP Advanced Studies Development of Knowledge requirement			
0201	MTuWThF 9:30am-10:50am	Bldg TWS, Room 0131	Schuler, C
The development of theatrical theory and criticism from the Greeks to the modern theorists. The philosophical basis of theatre as an art form. Important theorists and the practical application of their theories in author play scripts or theatrical productions. Required attendance at selected live theatre productions.			
THET 499 Independent Study 3 credits, Grading Method: REG			
Permission of department required			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
THET 669F Independent Study 1-3 credits, Grading Method: REG/AUD			
0101	Time Arranged	Room Arranged	Staff
THET 799 Master's Thesis Research 1-6 credits, Grading Method: REG			
Permission of department required			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

TXCE TEXTILES AND CONSUMER ECONOMICS (HUMAN ECOLOGY)

TXCE 608 Special Problems 1-3 credits, Grading Method: REG/AUD			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
TXCE 799 Master's Thesis Research 1-6 credits, Grading Method: REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
TXCE 899 Doctoral Dissertation Research 1-8 credits, Grading Method: REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

UMEI

MARYLAND ENGLISH INSTITUTE (ARTS AND HUMANITIES)

- UMEI 001 English as a Foreign Language: Beginning No credit, Grading Method: S-F**
Permission of department required
- | | | | | |
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| 0101 | Meets JUN 11 to AUG 3 | Time Arranged | Room Arranged | Staff |
| 0102 | Meets JUN 11 to AUG 3 | Time Arranged | Room Arranged | Staff |
- 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.
- UMEI 002 English as a Foreign Language: Intermediate I No credit, Grading Method: S-F**
Permission of department required
- | | | | | |
|------|-----------------------|---------------|---------------|-------|
| 0101 | Meets JUN 11 to AUG 3 | Time Arranged | Room Arranged | Staff |
| 0102 | Meets JUN 11 to AUG 3 | Time Arranged | Room Arranged | Staff |
- 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.
- UMEI 003 English as a Foreign Language: Intermediate II No credit, Grading Method: S-F**
Permission of department required
- | | | | | |
|------|-----------------------|---------------|---------------|-------|
| 0101 | Meets JUN 11 to AUG 3 | Time Arranged | Room Arranged | Staff |
| 0102 | Meets JUN 11 to AUG 3 | Time Arranged | Room Arranged | Staff |
- 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.
- UMEI 004 English as a Foreign Language: Intermediate III No credit, Grading Method: S-F**
Permission of department required
- | | | | | |
|------|-----------------------|---------------|---------------|-------|
| 0101 | Meets JUN 11 to AUG 3 | Time Arranged | Room Arranged | Staff |
| 0102 | Meets JUN 11 to AUG 3 | Time Arranged | Room Arranged | Staff |
- 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.
- UMEI 005 Advanced English as a Foreign Language 6 credits, Grading Method: S-F**
Permission of department required
- | | | | | | |
|------|------------------------|------|-----|-----------|-------|
| 0201 | MTuWThF 9 00am-11 00am | Bldg | ARC | Room 1121 | Staff |
| 0202 | MtUWThF 1 00pm-3 00pm | Bldg | ARC | Room 1121 | Staff |
| 0201 | MTuWThF 9 00am-11 00am | Bldg | JMZ | Room 0202 | Staff |
| 0202 | MTuWThF 9 00am-11 00am | Bldg | JMZ | Room 0202 | Staff |
- Sem-intensive course for the nearly proficient non-native speaker of English needing additional language instruction prior to undertaking full-time academic study. Speaking and listening skills, improvement of reading speed and comprehension, and the development of writing skills with special emphasis on research skills and use of the University library. 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.

URBS

INSTITUTE FOR URBAN STUDIES (BEHAVIORAL AND SOCIAL SCIENCES)

- URBS 100 Introduction to Urban Studies 3 credits, Grading Method: REG P-F/AUD**
Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement. There is a special fee of \$50.00 to cover the cost of field trips for this course.
- | | | | | | |
|------|--------------------|------|-----|-----------|------------|
| 0101 | Tu 10 00am-12 00pm | Bldg | LEF | Room 1213 | Laidlaw, C |
| | Th 10 00am-3 00pm | Bldg | LEF | Room 1213 | |
- Contemporary urban patterns, trends and problems. Major urban issues, such as population, the economy, land use, housing, neighborhood development, fiscal and unemployment crises, and social, environmental, and political controversies of metropolitan areas. Urbanization patterns and policies internationally.
- URBS 210 Behavioral and Social Dimensions of the Urban Community 3 credits, Grading Method: REG P-F/AUD**
Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement
- | | | | | | |
|------|-------------------|------|-----|-----------|---------|
| 0101 | Tu 9 00am-12 00pm | Bldg | LEF | Room 1222 | Hula, R |
|------|-------------------|------|-----|-----------|---------|
- Urbanism, urbanization, and urban demography; study of the institutional framework of urban areas, including administration, politics, finances, and communications, human services, and social issues.
- URBS 399I Independent Study in Urban Topics 3 credits, Grading Method: REG P-F/AUD**
Permission of department required
- | | | | | |
|------|---------------|---------------|-------|-------|
| 0101 | Time Arranged | Room Arranged | Staff | Staff |
| 0201 | Time Arranged | Room Arranged | Staff | Staff |
- URBS 438 Urban Internship 1-6 credits, Grading Method: REG P-F/AUD**
Permission of department required. Concurrent registration with URBS 399A is possible.
- | | | | | |
|------|---------------|---------------|-------|-------|
| 0101 | Time Arranged | Room Arranged | Staff | Staff |
| 0201 | Time Arranged | Room Arranged | Staff | Staff |
- URBS 440 City and Regional Economic Development 3 credits, Grading Method: REG/AUD**
Permission of department required. Prerequisite: URBS 210 and ECON 105, or ECON 201, or ECON 205.
- | | | | | | |
|------|-------------------|------|-----|-----------|------------|
| 0101 | MW 10 00am-1 00pm | Bldg | LEF | Room 1220 | Howland, M |
|------|-------------------|------|-----|-----------|------------|
- Emphasis on urban finance and causes of urban fiscal stress, the spatial patterns of employment and population, urban labor markets, and models of urban and regional growth and decline. Focus on application of economic theory and urban planning techniques to issues of public service delivery, local economic development, and land use planning.
- URBS 450 Problems in Urban Law 3 credits, Grading Method: REG P-F/AUD**
Recommended six credits in URBS courses
- | | | | | | |
|------|------------------|------|-----|-----------|-------|
| 0201 | MW 5 00pm-8 00pm | Bldg | LEF | Room 1221 | Staff |
|------|------------------|------|-----|-----------|-------|
- A survey of the urban legal environment and special legal problems of urban governments and public interest lawyers. Problems related to planning, zoning, eminent domain and land use controls, consumer protection in central cities, housing codes and multiple dwelling regulation, public accommodations and civil rights ordinances, defending the indigent, and welfare delivery systems.
- URBS 470 Management and Administration of Metropolitan Areas 3 credits, Grading Method: REG P-F/AUD**
- | | | | | | |
|------|------------------|------|-----|-----------|----------|
| 0101 | MW 5 00pm-8 00pm | Bldg | LEF | Room 1220 | Levin, M |
|------|------------------|------|-----|-----------|----------|
- Management and administration of local governments in metropolitan areas with emphasis on cities, counties and special districts in urban areas. Urban governmental organizations, management styles, and service delivery. Contemporary problems confronting urban local governments.

URBS continued

- URBS 48D Selected Topics in Urban Studies: Microcomputer Applications in Planning 3 credits, Grading Method: REG P-F/AUD**
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|------|--------------------|------|-----|-----------|----------|
| 0201 | TuTh 6 00pm-9 00pm | Bldg | TLF | Room 2110 | Chang, W |
|------|--------------------|------|-----|-----------|----------|
- URBS 48D Selected Topics in Urban Studies: Quantitative Methods in Urban Studies 3 credits, Grading Method: REG P-F/AUD**
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|------|--------------------|------|-----|-----------|------------|
| 0201 | TuTh 6 00pm-9 00pm | Bldg | HBK | Room 0109 | Laidlaw, C |
|------|--------------------|------|-----|-----------|------------|
- URBS 48T Selected Topics in Urban Studies: Urban Transportation and Transit Planning and Management 3 credits, Grading Method: REG P-F/AUD**
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|------|--------------------|------|-----|-----------|----------|
| 0201 | TuTh 5 00pm-8 00pm | Bldg | LEF | Room 1221 | Mintz, S |
|------|--------------------|------|-----|-----------|----------|
- URBS 601 Urban Research Methods: Multivariate Statistics 3 credits, Grading Method: REG/AUD**
Prerequisite: URBS 350 or equivalent
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|------|--------------------|------|-----|-----------|------------|
| 0101 | TuTh 6 00pm-9 00pm | Bldg | LEF | Room 1201 | Laidlaw, C |
|------|--------------------|------|-----|-----------|------------|
- Multivariate statistical analysis for urban problem solving and research. Linear and non-linear correlation and regression, factor analysis, cluster analysis. Social science research methodology. Applications to computer software.
- URBS 689 Internship Seminar: Graduate Internship 3-6 credits, Grading Method: REG/AUD**
Permission of department required
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|------|---------------|---------------|-------|-------|
| 0101 | Time Arranged | Room Arranged | Staff | Staff |
| 0201 | Time Arranged | Room Arranged | Staff | Staff |
- URBS 698 Independent Study in Urban Topics 3 credits, Grading Method: REG/AUD**
Permission of department required. Contact department to make arrangements.
- | | | | | |
|------|---------------|---------------|-------|-------|
| 0101 | Time Arranged | Room Arranged | Staff | Staff |
| 0201 | Time Arranged | Room Arranged | Staff | Staff |
- URBS 799 Master's Thesis Research 1-6 credits, Grading Method: REG**
Permission of department required
- | | | | | |
|------|---------------|---------------|-------|-------|
| 0101 | Time Arranged | Room Arranged | Staff | Staff |
| 0201 | Time Arranged | Room Arranged | Staff | Staff |

WMST

WOMEN'S STUDIES (ARTS AND HUMANITIES)

- WMST 200 Introduction to Women's Studies: Women and Society 3 credits, Grading Method: REG P-F/AUD**
Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement.
- | | | | | | |
|------|---------------------|------|-----|-----------|----------|
| 0201 | TuTh 9 00am-12 00pm | Bldg | HBK | Room 0125 | Zingo, M |
|------|---------------------|------|-----|-----------|----------|
- An interdisciplinary study of the status, roles, and experiences of women in society. Sources from a variety of fields such as literature, psychology, history, and anthropology, focusing on the writings of women.
- WMST 250 Introduction to Women's Studies: Women, Art and Culture 3 credits, Grading Method: REG P-F/AUD**
Meets USP Distributive Studies (C) Literature and the Arts requirement.
- | | | | | | |
|------|---------------------|------|-----|-----------|---------|
| 0101 | TuTh 9 00am-12 00pm | Bldg | HBK | Room 1116 | Lima, M |
|------|---------------------|------|-----|-----------|---------|
- 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.
- WMST 400 Theories of Feminism 3 credits, Grading Method: REG P-F/AUD**
Meets USP Advanced Studies Development of Knowledge requirement. Prerequisite: WMST 200 or WMST 250.
- | | | | | | |
|------|---------------------|------|-----|-----------|-----------|
| 0101 | TuTh 10 00am-1 00pm | Bldg | HBK | Room 0125 | Secret, P |
| 0201 | TuTh 2 00pm-5 00pm | Bldg | HBK | Room 1116 | Zingo, M |
- 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.
- WMST 499 Independent Study: Individual Study in Women's Studies 1-3 credits, Grading Method: REG P-F/AUD**
Permission of department required. Individual instruction course. Prerequisite: 3 hours of WMST, upper division standing.
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|------|---------------|---------------|-------|-------|
| 0101 | Time Arranged | Room Arranged | Staff | Staff |
| 0201 | Time Arranged | Room Arranged | Staff | Staff |
- WMST 699 Independent Study 1-3 credits, Grading Method: REG/AUD**
By permission of instructor only
- | | | | | |
|------|---------------|---------------|-------|-------|
| 0101 | Time Arranged | Room Arranged | Staff | Staff |
| 0201 | Time Arranged | Room Arranged | Staff | Staff |

ZOOL

ZOOLOGY (LIFE SCIENCES)

- ZOOL 201 Human Anatomy and Physiology I 4 credits, Grading Method: REG P-F/AUD**
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|------|-------------------------|------|-----|-----------------|---------|
| 0101 | MtUWThF 11 00am-12 20pm | Bldg | ZOP | Room 1243 | Kapp, J |
| | TuWTh 8 00am-11 00am | Bldg | ZOP | Room 0207 (LAB) | |
| 0102 | MtUWThF 11 00am-12 20pm | Bldg | ZOP | Room 1243 | Kapp, J |
| | TuWTh 8 00am-11 00am | Bldg | ZOP | Room 0207 (LAB) | |
| 0103 | MtUWThF 11 00am-12 20pm | Bldg | ZOP | Room 1243 | Kapp, J |
| | TuWTh 1 00pm-4 00pm | Bldg | ZOP | Room 0205 (LAB) | |
- 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.
- ZOOL 202 Human Anatomy and Physiology II 4 credits, Grading Method: REG P-F/AUD**
Prerequisite: ZOOL 201 or permission of department.
- | | | | | | |
|------|-----------------------|------|-----|-----------------|-------|
| 0201 | MtUWThF 8 00am-9 20am | Bldg | ZOP | Room 1243 | Staff |
| | TuWTh 9 30am-12 30pm | Bldg | ZOP | Room 0207 (LAB) | |
| 0202 | MtUWThF 8 00am-9 20am | Bldg | ZOP | Room 1243 | Staff |
| | TuWTh 9 30am-12 30pm | Bldg | ZOP | Room 0205 (LAB) | |
- Anatomy and physiology of the cardiovascular, respiratory, immune, digestive, urinary and reproductive systems. Not accepted as credit toward the zoology major.
- ZOOL 210 Animal Diversity 4 credits, Grading Method: REG P-F/AUD**
Meets USP Distributive Studies (B) Natural Sciences and Mathematics requirement. Prerequisite: BIOL 106.
- | | | | | | |
|------|-----------------------|------|-----|-----------------|-----------|
| 0101 | MtUWThF 8 00am-9 20am | Bldg | ZOP | Room 1236 | Linder, H |
| | TuWTh 9 30am-12 30pm | Bldg | ZOP | Room 0257 (LAB) | |
- Comparative study of the diversity of animal form and function, including analysis of structures and mechanisms which different organisms utilize to cope with similar requirements of life.
- ZOOL 213 Genetics 4 credits, Grading Method: REG P-F/AUD**
Prerequisite: BIOL 105 and one year of college chemistry. Credit will be granted for only one of the following: ZOOL 213, ANSC 201, B0TH 414, HORT 274.
- | | | | | | |
|------|-------------------------|------|-----|-----------------|-------|
| 0101 | MtUWThF 11 00am-12 00pm | Bldg | ZOP | Room 0208 | Staff |
| | TuWTh 8 00am-11 00am | Bldg | ZOP | Room 0201 (LAB) | |
| 0102 | MtUWThF 11 00am-12 00pm | Bldg | ZOP | Room 1238 | Staff |
| | TuWTh 1 00pm-4 00pm | Bldg | ZOP | Room 0201 (LAB) | |
- Composition, transmission, variation, function, and regulated expression of genetic material.
- ZOOL 309H Honors Independent Study 1-4 credits, Grading Method: REG P-F/AUD**
Permission of department required. Contact department to make arrangements.
- | | | | | |
|------|---------------|---------------|-------|-------|
| 0101 | Time Arranged | Room Arranged | Staff | Staff |
| 0201 | Time Arranged | Room Arranged | Staff | Staff |

ZOOL continued

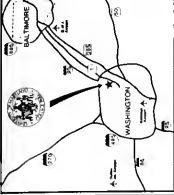
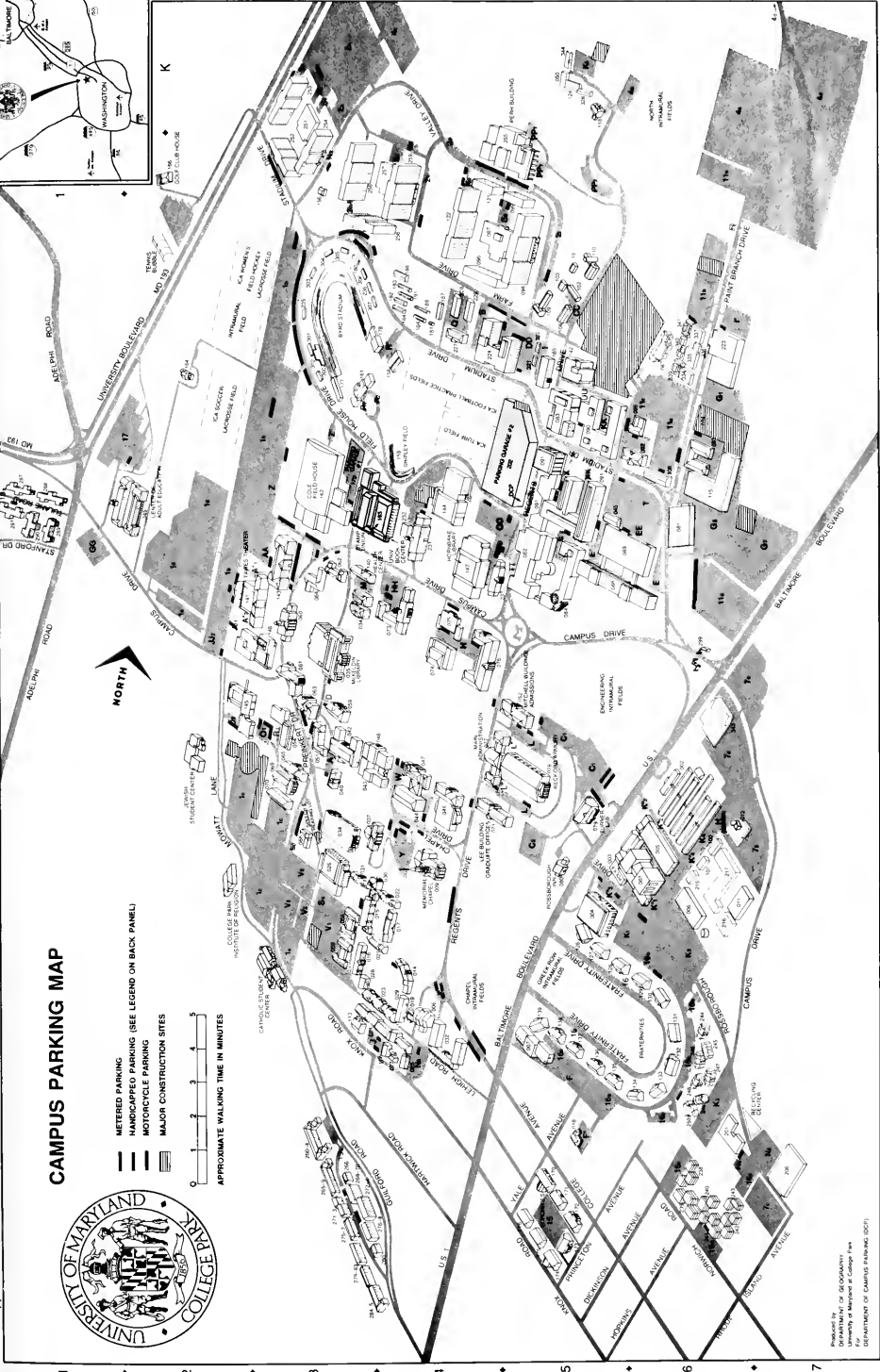
ZOOL 318H Honors Research 1-2 credits, Grading Method REG P.F.AUD			
Permission of department required Contact department to make arrangements.			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ZOOL 319 Special Problems in Zoology 1-2 credits, Grading Method REG P.F.AUD			
Permission of department required Contact department to make arrangements			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ZOOL 328Z Selected Topics in Zoology: Field Research			
1-3 credits, Grading Method REG P.F.AUD			
Permission of department required			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

ZOOL 430 Developmental Biology 3 credits, Grading Method REG P.F.AUD			
Prerequisite: ZOOL 211 or ZOOL 213			
0201	MTuWThF 11 00am-12 20pm	Bldg ZOP, Room 1238	Goode, M
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.			
ZOOL 609 Special Problems in Zoology 1-6 credits, Grading Method REG AUD			
Permission of department required Contact department to make arrangements			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ZOOL 799 Master's Thesis Research 1-6 credits, Grading Method REG			
Permission of department required			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ZOOL 899 Doctoral Dissertation Research 1-8 credits, Grading Method REG			
Permission of department required			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

CAMPUS PARKING MAP



- METERED PARKING
- MANICAMPEO PARKING (SEE LEGEND ON BACK PANEL)
- MOTORCYCLE PARKING
- MAJOR CONSTRUCTION SITES



Produced by:
DEPARTMENT OF GEOGRAPHY
College of Planning
For:
DEPARTMENT OF CAMPUS PLANNING (DCP)

BUILDING DIRECTORY

102 Agriculture Bldg. 1.5	198 Greenlee Hall Dormitory 1.5	232 Geography Bldg. 3.3	306 International Center 2.2	328 International Center 2.2	357 International Center 2.2	358 International Center 2.2	359 International Center 2.2	360 International Center 2.2	361 International Center 2.2	362 International Center 2.2	363 International Center 2.2	364 International Center 2.2	365 International Center 2.2	366 International Center 2.2	367 International Center 2.2	368 International Center 2.2	369 International Center 2.2	370 International Center 2.2	371 International Center 2.2	372 International Center 2.2	373 International Center 2.2	374 International Center 2.2	375 International Center 2.2	376 International Center 2.2	377 International Center 2.2	378 International Center 2.2	379 International Center 2.2	380 International Center 2.2	381 International Center 2.2	382 International Center 2.2	383 International Center 2.2	384 International Center 2.2	385 International Center 2.2	386 International Center 2.2	387 International Center 2.2	388 International Center 2.2	389 International Center 2.2	390 International Center 2.2	391 International Center 2.2	392 International Center 2.2	393 International Center 2.2	394 International Center 2.2	395 International Center 2.2	396 International Center 2.2	397 International Center 2.2	398 International Center 2.2	399 International Center 2.2	400 International Center 2.2	401 International Center 2.2	402 International Center 2.2	403 International Center 2.2	404 International Center 2.2	405 International Center 2.2	406 International Center 2.2	407 International Center 2.2	408 International Center 2.2	409 International Center 2.2	410 International Center 2.2	411 International Center 2.2	412 International Center 2.2	413 International Center 2.2	414 International Center 2.2	415 International Center 2.2	416 International Center 2.2	417 International Center 2.2	418 International Center 2.2	419 International Center 2.2	420 International Center 2.2	421 International Center 2.2	422 International Center 2.2	423 International Center 2.2	424 International Center 2.2	425 International Center 2.2	426 International Center 2.2	427 International Center 2.2	428 International Center 2.2	429 International Center 2.2	430 International Center 2.2	431 International Center 2.2	432 International Center 2.2	433 International Center 2.2	434 International Center 2.2	435 International Center 2.2	436 International Center 2.2	437 International Center 2.2	438 International Center 2.2	439 International Center 2.2	440 International Center 2.2	441 International Center 2.2	442 International Center 2.2	443 International Center 2.2	444 International Center 2.2	445 International Center 2.2	446 International Center 2.2	447 International Center 2.2	448 International Center 2.2	449 International Center 2.2	450 International Center 2.2	451 International Center 2.2	452 International Center 2.2	453 International Center 2.2	454 International Center 2.2	455 International Center 2.2	456 International Center 2.2	457 International Center 2.2	458 International Center 2.2	459 International Center 2.2	460 International Center 2.2	461 International Center 2.2	462 International Center 2.2	463 International Center 2.2	464 International Center 2.2	465 International Center 2.2	466 International Center 2.2	467 International Center 2.2	468 International Center 2.2	469 International Center 2.2	470 International Center 2.2	471 International Center 2.2	472 International Center 2.2	473 International Center 2.2	474 International Center 2.2	475 International Center 2.2	476 International Center 2.2	477 International Center 2.2	478 International Center 2.2	479 International Center 2.2	480 International Center 2.2	481 International Center 2.2	482 International Center 2.2	483 International Center 2.2	484 International Center 2.2	485 International Center 2.2	486 International Center 2.2	487 International Center 2.2	488 International Center 2.2	489 International Center 2.2	490 International Center 2.2	491 International Center 2.2	492 International Center 2.2	493 International Center 2.2	494 International Center 2.2	495 International Center 2.2	496 International Center 2.2	497 International Center 2.2	498 International Center 2.2	499 International Center 2.2	500 International Center 2.2
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SUMMER PROGRAMS
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COLLEGE PARK, MD 20742

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