

1986 SUMMER PROGRAMS

UNIVERSITY OF MARYLAND
COLLEGE PARK

COLLEGE PARK CAMPUS ADMINISTRATION

Chancellor

John B. Slaughter
B.S., Kansas State University, 1956, Electrical Engineering;
M.S., University of California, Los Angeles, 1961;
Ph.D., University of California, San Diego, 1971.

Vice Chancellor for Academic Affairs

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

Vice Chancellor for Administrative Affairs

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

Vice Chancellor 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.

Vice Chancellor for Institutional Advancement

A. H. Edwards
B.S., Northwest Missouri State University, 1957
M.S., Northwest Missouri State University, 1971
Ph.D., Clayton University, St. Louis, 1975

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.

Director for Public Relations

Neale Perl
B.M. Peabody Conservatory, 1977
M.M. Temple University, 1979

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.

CENTRAL ADMINISTRATION OF THE UNIVERSITY

President

John S. Toll
B.S., Yale University, 1944;
M.A., Princeton University, 1948;
Ph.D., Princeton University, 1952.

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, using established procedure, 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 remind the instructor of this policy throughout the duration of the class.

Executive Vice President

Albert H. Bowker
B.S., MIT, 1941
Ph.D., Columbia University, 1949

Vice President for Academic Affairs

Rita R. Colwell
B.S., Purdue University, 1956
M.S., Purdue University, 1958
Ph.D., Univ. of Washington, 1961

Vice President for Agricultural

Affairs and Provost
Raymond J. Miller
B.S., University of Alberta, 1957
M.S., Wash. State University, 1960
Ph.D., Purdue University, 1962

Vice President 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 President 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 President for Graduate Studies and Research

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

Vice President for Policy & Planning

Leroy Keith, Jr.
B.S., Morehouse College, 1961
M.S., Indiana University, 1968
Ed.D., Indiana University, 1970

Vice President for University Relations

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

BOARD OF REGENTS

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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 S504 of the
Rehabilitation Act of 1973
Room 2101, Main Administration Building
University of Maryland, College Park
College Park, Maryland 20742

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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 2 - July 11
SESSION II July 14 - August 22

Summer Sessions 1986

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.

Friday May 30
Friday July 4

ON-CAMPUS HOUSING SCHEDULE

March 17	Monday	Summer 1986 Residence Halls Agreement available at Department of Resident Life, 3117 North Administration (also at center of this catalog). Submission of housing Agreement by lottery deadline of May 5 is advised for higher priority for your assignment preferences.
May 12	Monday	Deadline for release from <i>Summer 1986 Residence Halls Agreement</i> for Session I without financial obligation; written cancellation must be received by Resident Life, 3117 North Administration Building.
June 1	Sunday	Residence halls open 12 noon for Session I only residents and for Session I and II residents to claim room assignments.
June 2	Monday	Room assignments in residence halls not claimed by 12 noon are forfeited. "No-show" cancellation charge equal to three weeks' housing cost (\$172.69) is assessed.
June 23	Monday	Deadline for release from <i>Summer 1986 Residence Hall Agreement</i> for Session II without financial obligation; written cancellation must be received by Resident Life, 3117 North Administration Building.
July 11	Friday	Residents not remaining in residence halls for Summer Session II must vacate by 7pm.
July 13	Sunday	Residence halls open 12 noon for Summer Session II only new students.
July 14	Monday	Room assignments in residence halls not claimed by 12 noon forfeited. "No-show" cancellation charge equal to three weeks' housing cost (\$172.69) is assessed.
August 22	Friday	Residence halls close 7pm. All Summer Sessions residents must vacate. No on-campus housing available after 7pm.





TUITION AND FEES

ALL STUDENTS

Registration Fee per Session	5.00
Recreation Fee per Session	6.00
Student Health Fee per Session	5.00
Auxiliary Facilities Fee Per Session	6.00
Summer Vehicle Registration Fee, per vehicle (not charged if vehicle was registered for Fall or Spring Semester)	4.00
Each additional vehicle	10.00

UNDERGRADUATE STUDENTS

Tuition per Credit Hour	77.00
Non-resident Fee per Session (must be paid by all students who are not residents of Maryland)	20.00
Application Fee (New Students)	20.00

GRADUATE STUDENTS

Application Fee (Every student must be admitted)	20.00
Tuition per Credit Hour:	
Resident Student	92.00
Non-resident Student	163.00

Continuous Registration Fee (Doctoral Candidate)	10.00
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ON-CAMPUS HOUSING

Per Six-Week Session	345.38
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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	50.00
Late Registration Fee	20.00
Service Charge for Dishonored Check (depending on amount of check) up to	20.00

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.**

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 for 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 to Room 1103, South Administration 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 workshop, 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 a subsequent semester 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.

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.



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, 1986	June 6, 1986
Summer Session II, 1986	July 18, 1986

For further information:

Undergraduate: Office of Undergraduate Admissions
North Administration Building
University of Maryland
College Park, Maryland 20742
(301) 454-4137

Graduate: The Graduate School
Room 2125, South Administration
University of Maryland
College Park, Maryland 20742
(301) 454-4004



DIRECTORY OF INFORMATION SERVICES

General Information	454-3311
Summer Programs Office	454-3347
Admissions	
Office of Undergraduate Admissions	
North Administration Building	454-5550
Graduate Admissions	
South Administration Building	454-3141
Registration	
North Administration Bldg.	454-5559
Housing	
Off-Campus	454-3645
On-Campus	454-2711
Undergraduate Studies	454-2530
Graduate Records	454-5428
Division of Agricultural and Life Sciences	454-5257
Division of Arts and Humanities	454-2740
Division of Behavioral and Social Sciences	454-5272
Division of Human and Community Resources	454-4145
Division of Mathematical & Physical Sciences & Engineering	454-4906
College of Agriculture	454-3702
College of Business & Management	454-4314
College of Education	454-2011/2
College of Engineering	454-2421
College of Human Ecology	454-2136
College of Journalism	454-2228
College of Library & Information Services	454-5441
College of Physical Education, Recreation and Health	454-5616
School of Architecture	454-3427
Computer Science Center	454-4255
Institute of Criminal Justice & Criminology	454-4538
Institute of Urban Studies	454-5718
University College (Evening Division)	985-7000

SUMMER SESSIONS IMPORTANT DATES

SUMMER SESSION I

March 31 - May 19	Mail-in Registration; Requests processed daily
March 31 - May 30	Walk-in Registration —9–11:45 am; 1–3 pm. Room 1130 North Administration Building
June 2	Classes begin.
June 2 - June 6	Late Registration (with a \$20.00 Late Fee). Room 1130 North Administration Building

SUMMER SESSION II

March 31 - July 1	Mail-in Registration; Requests processed daily
March 31 - July 11	Walk-in Registration —9–11:45 am; 1–3pm. Room 1130 North Administration Building
July 14	Classes begin.
July 14 - July 18	Late Registration (with a \$20.00 Late Fee) Room 1130 North Administration Building

NOTE: The University will be closed May 30 for Memorial Day.

SUMMARY OF DEADLINES FOR SUMMER 1986

Type of Change	Last Day to Process Change	
	SS I	SS II
Add a course	June 6	July 18
Cancel Registration with 100% refund	May 30	July 11
Change Credit Level	June 6	July 18
Drop a course - Undergraduate Student without "W" Mark	June 6	July 18
Drop a course - Undergraduate Student with "W" Mark	June 26	August 7
Drop a course - Graduate Student (Graduate Student does not receive a "W" mark.)	June 26	August 7
Drop a course with a \$2.00 fee	June 26	August 7
Drop a course with (70%) refund	June 6	July 18
Change Grading Option	June 6	July 18
Process a Late Registration	June 6	July 18
Change Sections	July 11	August 22
Withdraw from all classes with 100% refund	May 30	July 11
Withdraw from all classes with 70% refund	June 6	July 18
Withdraw from all classes with 50% refund	June 13	July 25
Withdraw from all classes with 20% refund	June 20	August 1
Withdraw from all classes with 0% refund	July 11	August 22

NOTE:

Registration and Schedule Adjustment transactions are complete when payment has been made and the Registration Forms have been validated by the Registrations Office.

SUMMER 1986 REGISTRATION PROCEDURES

Note: LOCATION FOR REGISTRATION

All registration, drop, add, and section change activity will occur in the Registrations Office, Room 1130, North Administration Building. Payment must be made in the Bursar's Office, South Administration 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 1986 or have processed admission or readmission forms:

Students registered at the College Park Campus for the Spring 1986 Semester should follow the registration procedures outlined below.

Former students who were **not registered for the Spring 1986 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
North Administration Building

WHEN?

Summer Session I

March 31 - May 30; 9:00-11:45 a.m.
1:00-3:00 p.m.

Summer Session II

March 31 - July 11; 9:00-11:45 a.m.
1:00-3:00 p.m.

HOW?

- Go to Room 1130, North Administration 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, South Administration 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, North Administration 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 2 FOR SS1 AND JULY 14 FOR SSII 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 31 - May 19 for Summer Session I.
March 31 - July 1 for Summer Session II.

WHERE?

All materials should be returned to:
Office of the Bursar, South Administration 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 2. Special permission of the dean or division provost must be obtained prior to registration after June 6.

SUMMER SESSION II—A late fee of \$20.00 is assessed for registration on or after the first day of instruction, July 14. Special permission of the dean or division provost must be obtained prior to registration on or after July 18.

PROCEDURES:

1. Go to Room 1130, North Administration 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, South Administration 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, North Administration 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 2 FOR SUMMER SESSION I OR JULY 14 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. In these instances students are urged to contact the department or instructor for information. 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 1986 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. All requests should be sent by Registered Mail to:

OFFICE OF REGISTRATIONS
Rm 1130, NORTH ADMINISTRATION 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, North Administration 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 2-6	70%
June 9-13	50%
June 16-20	20%
June 23	00%
SUMMER SESSION II	
July 14-18	70%
July 21-25	50%
July 28 - Aug. 1	20%
Aug. 4	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 1986 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 South Administration Building or the Records or Current Registrations Office, first floor, North Administration 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 ANYTIME 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, South Administration Building, Room 1121 or 1103, 8:30 a.m. to 4:15 p.m., Monday-Friday.
2. Registrations Counter, North Administration Building, First Floor Lobby, 8:30 a.m.-4:30 p.m., Monday-Friday.
3. Deans' or Provosts' 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.



Pianist Anton Kuerti, hailed as "one of the most extraordinarily creative performers in music today" (Toronto Star), will perform for the first time at Tawes Theatre on Friday, July 18.

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 including UMBC and UMES:**
2. **UNIVERSITY COLLEGE student:**
3. **GRADUATE FROM ANOTHER COLLEGE OR UNIVERSITY:**
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:
5. **HIGH SCHOOL GRADUATE:**
6. **HIGH SCHOOL STUDENT ENTERING YOUR JUNIOR OR SENIOR YEAR:**
7. **NEWLY ADMITTED FALL 1986 STUDENT:**

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 \$20 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
- Must present letter of permission from UMUC to register
- No application required
- No transcripts required
- Complete enclosed undergraduate application
- A non-refundable \$20 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
- Same as in number 3 above.
- Must have a minimum of a "C" average in academic subjects
- Complete enclosed undergraduate application
- A non-refundable \$20 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 1986 enrollment. Please visit the Office of Undergraduate Admission, Lower Level, North Administration Building.
- Must have a minimum of a "B" average
- Complete regular admission application obtainable from Office of Undergraduate Admissions, Lower Level, North Administration Building.
- High School transcripts required
- A non-refundable \$20 application fee is required if you have never enrolled at any campus of the University of Maryland.
- no application required
- must present letter of admission for Fall, 1986

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 readmission to register.
2. You were *not* enrolled the Spring 1986 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 1986 semester and you were *not* academically dismissed (this includes students who graduated May 1986)
Must present ID card to register.
4. Attended UMCP Spring 1986 semester and either *withdrew* or you were *academically dismissed at the end of Spring 1986*
Must present ID card to register
5. Were dismissed or withdrew from UMCP prior to the Spring 1986 semester (and did not attend Spring 1986)
Must present reinstatement letter to register

ADMISSION REQUIREMENTS AND PROCEDURES

- Complete enclosed undergraduate application
- Complete enclosed undergraduate application
- No application required for Summer Session registration
- You will be notified of summer session eligibility by the enrollment office.
- No application required for Summer Session registration
- * However, reinstatement is a prerequisite for Fall 1986 registration
- Must be reinstated through Reenrollment Office, Office of Undergraduate Admissions, Lower Level, North Administration Building, by below deadlines:
For Summer Session I - April 15, 1986
For Summer Session II - May 15, 1986

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 \$20 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 \$20 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 \$20 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
South Administration 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) status 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 Sessions. Graduate foreign students should contact the Graduate School in the South Administration Building prior to registration.

DIVISION/COLLEGE/MAJOR (COURSE OF STUDY)

UNDERGRADUATE STUDENTS ONLY:

Division, 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 Division, College, and/or Major (Course of Study):

1. Go to a Division/College office or the Registrations Office, first floor lobby, North Administration Building, to obtain the Division/College/Major (Course of Study) Change Form. Division/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 Division if you are changing Divisions or to your new College if you are changing Colleges. If you are changing Major (Course of Study) only, take completed form to your present Division or College.

Division/College	Location
Agriculture	1116 Symons
Agricultural & Life Sciences	1110 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	Temporary Bldg. 334
General Studies/Individual Studies	1115 Hombake Library
Human & Community Resources	1120 Francis Scott Key
Human Ecology	1100 Marie Mount Hall
Journalism	2109 Journalism
Library & Information Services	4105 Hombake Library
Mathematical & Physical Sciences & Engineering	2300 Math
Physical Education, Recreation & Health	3310 Physical Education, Recreation & Health Building
Undergraduate Studies- "Undecided" Undergraduates	1117 Hombake Library

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. Catalogs may be ordered from:

University Book Store
Adele Stamp Union
UMCP
College Park, Maryland 20742

Please enclose \$2.50 to cover postage and handling. Visitors to the campus may pick up a free copy at the Graduate School, 2133 South Administration Building.

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

UNDERGRADUATE DIVISION/COLLEGE/MAJOR (COURSE OF STUDY) CODES

Each code below has nine numbers. The first five numbers of the code indicate the Major (Course of Study).

The next two numbers of the code indicate the Division:

50-AGRICULTURAL & LIFE SCIENCES	53-ARTS AND HUMANITIES	56-NURSING
51-MATH-MATHEMATICAL & PHYSICAL SCIENCES AND ENGINEERING	54-HUMAN & COMMUNITY RESOURCES	56-PHARMACY
52-BEHAVIORAL & SOCIAL SCIENCES	55-UNDERGRADUATE STUDIES	57-UNIVERSITY COLLEGE
	56-ALLIED HEALTH PROFESSIONS	58-GRADUATE SCHOOL

The last two numbers of the code indicate the College (the numbers in parentheses indicate the Division for each College):

00-AGRICULTURE (50)	10-UNIVERSITY COLLEGE (57)	22-I.E.D. (INTENSIVE EDUCATIONAL DEVELOPMENT) (54)
03-EDUCATION (54)	11-PHARMACY (56)	23-BUSINESS & MANAGEMENT (52)
04-ENGINEERING (51)	14-ARCHITECTURE (53)	99-NO COLLEGE UNDERGRAD (50,51,52,53,55)
05-GRADUATE SCHOOL (58)	16-APPLIED HEALTH PROFESSIONS (56)	
06-HUMAN ECOLOGY (54)	19-INDIVIDUAL STUDIES (55)	
07-NURSING (56)	20-GENERAL STUDIES PROGRAM (55)	
09-PHYSICAL EDUCATION, RECREATION & HEALTH (54)	21-JOURNALISM (53)	

PRE-PROFESSIONAL PROGRAM If you wish to be advised in one of these pre-professional programs, you must select a code for course study in addition to indicating a pre-professional interest.

001-Pre-Medicine	003-Pre-Law	004-Pre-Dentistry
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MAJOR (COURSE OF STUDY)

Major Code	Course of Study	Major Code	Course of Study	Major Code	Course of Study
05020 52 23	Accounting	0839B 54 03	Industrial Arts Education	0839B 54 03	Industrial Technology
22110 52 09	Art/ American Studies	0839C 54 03	Pre-Education-Industrial Arts	1307A 54 06	Institutional Administration
0898E 50 00	Ag. & Extension Education	0839D 54 03	Pre-Industrial Arts Education	03990 53 99	Jewish Studies
0899X 50 00	Pre-Agricultural & Extension Education	0839A 54 03	Education-Industrial Technology	06020 53 21	Journalism-Undecided
01110 50 00	Agri & Resource Economics	08310 54 03	Education-(Secondary) Art	0602A 53 21	Journalism-Advertising
0199A 50 00	Agricultural Chemistry	0803C 54 03	Education-(Secondary) Marketing & Distribution	0602B 53 21	Journalism-Broadcast
09030 50 00	Agricultural Enger (Div of Alsc)	0803R 54 03	Pre-Education Marketing & Distribution	0602C 53 21	Journalism-Magazine
0110 50 00	Agriculture-General	0803D 54 03	Education-(Secondary) English Language Arts	0602D 53 21	Journalism-News/Educational
01090 50 00	Agriculture-Undecided	0803X 54 03	Pre-Education-English Language Arts	0602E 53 21	Journalism-Photo Journalism
01020 50 00	Agromony-Gen Science	0809B 54 03	Education-(Secondary) Foreign Language	08351 54 09	Journalism-Public Relations
01030 50 00	Agromony-Soil Science	0809Y 54 03	Pre-Education-Foreign Language	10500 52 99	Journalism-Science Communication
01021 50 00	Agromony-Turt & Urban/Agri	08180 54 03	Education-(Secondary) General Business	21050 53 99	Kinesiological Sciences
0191 50 00	Agromony Conservation of Soil, Water, & Environment	0838X 54 03	Pre-Education-General Business	13400 54 06	Law Enforcement
03130 53 99	American Studies	0803G 54 03	Education-(Secondary) Home Economics	05070 52 23	Linguistics
01040 50 00	Animal Sciences	0803Y 54 03	Pre-Education-Home Economics	05090 52 23	Management & Consumer Studies
22020 52 99	Anthropology	0809D 54 03	Education-(Secondary)-Library Science	07110 51 99	Management Science & Statistics
02020 53 14	Architecture B Arch	0899Z 54 03	Pre-Education-Library Science	14010 50 99	Marketing
02022 53 14	Architecture B S	08330 54 03	Education-(Secondary)-Mathematics	10050 53 99	Mathematics
02021 53 14	Architecture-Urban Studies	0833X 54 03	Pre-Education-Mathematics	10060 53 99	Microbiology
0202X 53 99	Pre-Architecture	08320 54 03	Education-(Secondary)-Music	10060 53 99	Musci History & Literature
10030 53 99	Art History	0832X 54 03	Pre-Education-Music	01150 50 00	Musci Theory & Composition
10020 53 99	Art Studio	08340 54 03	Education-(Secondary)-Science		Natural Resources Management-Plant & Wildlife Resource Management
1910 51 99	Astronomy	0834X 54 03	Pre-Education-Science	01157 50 00	Natural Resources Management-Land & Water Resource Management
04140 50 99	Biochemistry	0803H 54 03	Education-(Secondary)-Secretarial	01158 50 00	Natural Resources Management-Environmental & Park Management
04010 50 99	Biological Science-General	0803Z 54 03	Pre-Education-Secretarial		Natural Resources Management-Nutrition Research
0401A 50 99	Biological Science-Botany	0809F 54 03	Education-(Secondary) Social Studies	13061 54 06	Personnel & Labor Relations
0401B 50 99	Biological Science-Entomology	0809G 54 03	Pre-Education-Social Studies	0516A 52 23	Philosophy
0401C 50 99	Biological Science-Microbiology	0803Z 54 03	Education-(Secondary)-Speech	15090 53 99	Physical Education
0401D 50 99	Biological Science-Zoology	0808B 54 03	Pre-Education-Speech	08350 54 09	Pre-Physical Education
0401E 50 99	Biological Science-Chemistry	0808B 54 03	Special Education	19010 51 99	Physical Sciences
0401F 50 99	Biological Science-Animal Science	0839C 54 03	Pre-Special Education	19020 51 99	Physics
0401G 50 99	Biological Science-Marine Biology	08020 51 04	Education-Vocational Technical Education	0202X 53 99	Pre-Architecture
0401H 50 99	Biological Science-Genetics	0839C 54 03	Pre-Vocational Technical Education	0500X 52 99	Pre-Business
04020 50 99	Botany	0839E 54 03	Engineering-Aerospace	12130 56 16	Pre-Dental Hygiene
0501A 52 23	Business & Management-General	09031 51 04	Engineering-Agricultural (Div. of MFSE)	1302X 54 06	Pre-Design
19050 50 99	Chemistry	09060 51 04	Engineering-Civil	0909F 51 04	Pre-Electrical Engineering
15040 53 99	Classical Language & Literatures	09090 51 04	Engineering-Electrical	0900X 51 99	Pre-Engineering
13062 54 06	Community Nutrition	0909E 51 04	Engineering-Industrial	0114A 50 00	Pre-Forestry
1305B 54 06	Community Studies	09000 51 04	Engineering-Undecided	12230 56 16	Pre-Medical Technology
07010 51 99	Computer Science	09010 51 04	Engineering-Undecided-B S	09030 56 07	Pre-Nursing
0701X 51 99	Pre-Computer Science	0909A 51 04	Engineering-Fire Protection	1210 56 11	Pre-Pharmacy
1304A 54 06	Consumer Economics	09100 51 04	Engineering-Mechanical	1210 56 16	Pre-Physical Therapy
22090 52 99	Criminology	09200 51 04	Engineering-Nuclear	12250 56 16	Pre-Radiologic Technology
10080 53 99	Dance	0909A 51 99	Pre-Engineering	1299C 50 00	Pre-Veterinary Medicine
1302A 54 06	Design-Advertising	15010 53 99	English Language & Literature	0599A 52 23	Production Management
1301A 54 06	Design-Apparel	1306G 54 06	Experimental Foods	20010 52 99	Psychology
1302B 54 06	Design-Interior	1805A 54 06	Family Studies	06030 53 99	Radio, TV, & Film
1302X 54 06	Pre-Design	05040 52 23	Finance	21030 54 09	Recreation
13070 54 06	Dietetics	01130 50 00	Food Science	11980 53 99	Romance Languages
00100 50 99	Division of Agricultural & Life Sciences-Undecided	11620 53 99	French Language & Literature	03070 53 99	Russian Language & Literature
00200 51 99	Division of Mathematical & Physical Sciences & Engineering-Undecided	4901C 55 20	General Studies Program	22080 52 99	Sociology
05080 52 99	Division of Behavioral & Social Sciences-Undecided	22080 52 99	Geography	11650 53 99	Spanish Language & Literature
49080 53 99	Division of Arts & Humanities-Undecided	19140 50 99	Germanic Language & Literature	0808B 54 03	Special Education
00300 54 99	Division of Human & Community Resources-Undecided	22070 52 99	Government & Politics	0808X 54 03	Pre-Special Education
11996 53 99	East Asian Languages & Literature	08370 54 09	Health Education	1506A 53 99	Speech Communication
22040 52 99	Economics	0837X 54 09	Pre-Health Education	1303B 54 06	Textile Marketing-Fashion Merchandising
08010 54 03	Education-Undecided	12200 52 99	Hearing & Speech Science	1303C 54 06	Textiles
0801X 54 03	Pre-Education-Undecided	22050 53 99	History	10070 51 99	Theatre
08230 54 03	Education-Early Childhood	13000 54 06	Human Ecology-Undecided	05100 52 23	Transportation
0823X 54 03	Pre-Early Childhood Education	09080 50 00	Horticulture	06040 55 99	Undergraduate Studies Undecided
08020 54 03	Elementary Education	13020 54 06	Housing	22140 52 99	Urban Studies
0802X 54 03	Pre-Elementary Education	06001 54 22	I.E.D (Intensive Educational Development)	04070 50 99	Zoology
		49020 55 19	Individual Studies		

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.

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, awarenesses 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 beginning baccalaureate study after May, 1980. 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.

- I. 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.
 1. ENGL 101 - 3 credits.
 - a. Students with TSWE scores below 33 take ENGL 104-105-106 (1 credit each)
 - b. Students with SAT verbal scores of 600 or above are exempt.
 - c. 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.

2. ENGL 391 (Junior Level Expository Writing) or 393 (Technical Writing) - 3 credits
 - a. Must be taken *after* the student has completed 56 credit hours (i.e., has reached junior standing).
 - b. 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.

 1. Students with the following minimum examination scores or higher are exempt:
 - a. SAT: 600
 - b. College Board Achievement Tests in Mathematics, Level I or II: 600
 - c. Advanced Placement Examinations, Calculus AB or BC: 3
 - d. Any CLEP *Subject Examination* in Mathematics: 60
 2. 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.

- A. Culture and History (min: 6 credits, 2 courses)
- B. Natural Sciences and Mathematics (min: 6 cr., 2 courses) One course must be a laboratory science.
- C. Literature and the Arts (min: 6 credits, 2 courses) Courses must be taken in two different departments.
- D. 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.

- A. 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.
- B. 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

CHIN 101	Elementary Chinese I
CHIN 102	Elementary Spoken Chinese
CHIN 103	Elementary Written Chinese
CLAS 170	Greek and Roman Mythology
FREN 101	Elementary French I
FREN 102	Elementary French II
FREN 103	Review of Elementary French
FREN 104	Intermediate French
FREN 312	French Conversation - Current Cultural Events
FREN 340	Modern French Literature in Translation
FREN 370	Aspects of French Civilization
GEOG 150	World Cities
GEOG 202	The World in Cultural Perspective
GERM 101	Elementary German I
GERM 102	Elementary German II
GERM 104	Intermediate German
GVPT 240	Political Ideologies
HIST 130	The Ancient World
HIST 133	Modern Europe
HIST 156	History of the United States to 1865
HIST 237	Russian Civilization
ITAL 101	Elementary Italian I
ITAL 102	Elementary Italian II
JAPN 101	Elementary Japanese I
JAPN 102	Elementary Japanese II
LATN 120	Intensive Latin
PHED 293	History of Sport in America
PHIL 100	Introduction to Philosophy

PHIL 250	Philosophy of Science I
SLAV 101	Elementary Russian I
SLAV 102	Elementary Russian II
SPAN 101	Elementary Spanish I
SPAN 102	Elementary Spanish II
SPAN 203	Intermediate Spanish
SPAN 204	Review of Oral and Written Spanish
SPAN 311	Advanced Conversation I
SPAN 312	Advanced Conversation II
TEXT 347	History of Costume II
TEXT 363	History of Textiles
THET 310	The American Theatre
FMCD 330	Family Patterns

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

Lab Sciences

ASTR 100	Introduction to Astronomy
ASTR 116	Astronomy Laboratory
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
GEOG 100	Physical Geology
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 101	General Zoology
ZOOL 210	Animal Diversity

Non-Lab Sciences and Mathematics

ASTR 100	Introduction to Astronomy
ENES 121A	The Man-Made World
ENTM 100	Insects
GEOG 100	Physical Geology
HESP 305	Anatomy and Physiology of the Speech Mechanism
MATH 111	Introduction to Mathematics II
MATH 140	Calculus I
MATH 141	Calculus II
MATH 210	Elements of Mathematics
MATH 211	Elements of Geometry
MATH 220	Elementary Calculus I
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

APDS 104	Survey of Design History
ARCH 170	Introduction to the Built Environment
ARCH 222	History of Western Architecture
ARTH 100	Introduction to Art
ARTH 260	History of Art I
ARTH 261	History of Art II
ENGL 201	World Literature
ENGL 205	Introduction to Shakespeare
ENGL 222	American Literature
ENGL 246	The Short Story
ENGL 304	The Major Works of Shakespeare
FREN 340	Modern French Literature in Translation
MUSC 130	Survey of Music Literature
RTVF 314	Introduction to the Film
SPAN 221	Readings in Spanish
THET 110	Introduction to the Theatre

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

AMST 203	Popular Culture in America
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
EDHD 306	A Study of Human Behavior
FMCD 250	Decision Making in Families and Communities
FOOD 110	Food for People
GEOG 100	Introduction to 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 US Since 1865
HIST 211	Women in America Since 1880
HLTH 230	Introduction to Health Behavior
HLTH 285	Controlling Stress and Tension
JOUR 100	Introduction to Mass Communication
LENF 100	Introduction to Law Enforcement
PHED 350	Psychology of Sport
PHED 385	Motor Learning and Skilled Performance
PHIL 140	Contemporary Moral Issues
PSYC 100	Introduction to Psychology
PSYC 221	Social Psychology
PSYC 310	Perception
PSYC 331	Introduction to Abnormal Psychology
PSYC 335	Personality and Adjustment
PSYC 355	Child Psychology
RECR 130	History and Introduction to Recreation
RTVF 124	Mass Communication in 20th Century Society
SOCY 100	Introduction to Sociology
SOCY 105	Introduction to Contemporary Social Problems
SOCY 300	American Society
SOCY 327	Introduction to the Study of Deviance
URBS 100	Introduction to Interdisciplinary Urban Studies
WMST 200	Introduction to Women's Studies

Advanced Studies Development of Knowledge

AMST 330	Crises of American Culture
AMST 418K	Cultural Themes in America: The American Environment: Conservation and Ecology
ASTR 380	Life in the Universe
ECON 402	Business Cycles
EDCI 488N	Learning Styles and Learning Environments
EDMS 451	Introduction to Educational Statistics
ENGL 379E	Special Topics in Literature: Film Analysis—The Rhetoric of Fictional Worlds
ENGL 379I	Special Topics in Literature: Interpreting the Bible
ENGL 420	Literature of the Romantic Period
ENGL 453	Literary Criticism
GEOG 370	Principles of Cartography
GVPT 442	History of Political Theory—Modern and Recent
HLTH 498T	Ways of Knowing About Human Stress and Tension
MATH 406	Introduction to Number Theory
PHIL 308A	Studies in Contemporary Philosophies
PHIL 334	Philosophy of Music
PHIL 447	Philosophy of Law
PHYS 420	Principles of Modern Physics
WMST 400	Theories of Feminism

Advanced Studies Analysis of Human Problems

AMST 428B	American Cultural Eras: American Film Culture in the 1960's.
AREC 365	World Hunger, Population, Food Supplies and Public Policy
CLAS 374	Greek Tragedy in Translation
CNEC 410	Consumer Finance
CNEC 431	The Consumer and the Law
CNEC 437	Consumer Behavior
DHCR 400	The Future of the Human Community
ECON 415	Introduction to Economic Development of Underdeveloped Areas
EDCI 381	The Parental Role in the Educative Process
EDCP 420	Education and Racism
EDHD 445	Guidance of Young Children
EDIT 476	Application of Technology to Societal Problems
EDPA 488G	Technology, Social Change and Education
FMCD 381	Poverty and Affluence Among Families and Communities
FMCD 487	Legal Aspects of Family Problems
FMCD 497	The Child and the Law
FREN 478C	Themes and Movements of French Literature in Translation
FREN 479A	Masterworks of French Literature in Translation: The Age of Anxiety
GEOG 434	Agricultural and Rural Development
GVPT 457	American Foreign Relations
HIST 312A	Crisis and Change in the United States
HIST 314A	Nationalism and Nation Building in the Middle East
SOCY 305	Scarcity and Modern Society
SOCY 325	Sex Roles
SPCH 425	Communication and Sex Roles

14 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

1. 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.
2. 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.

3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.

10. 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.

11. **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 15 or more credit hours on the College Park Campus and have a cumulative average of at least 2.0 may register on a pass/fail basis if the course offers the pass/fail grading option. No more than 20 percent of the credits offered toward a degree may be taken on the pass/fail basis. A complete statement of regulations concerning the pass/fail option is available in the **Undergraduate Catalog**.

Graduate students may enroll on a pass/fail basis for courses numbered 399 or below.

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 and 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 place 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, 1984-85, College Park Campus.

CANDIDATES FOR DEGREES

All students who expect to complete requirements for degrees during the summer should complete application for diplomas during summer registration at the Registrations Office, North Administration Building. Applications should be filed no later than July 17, degrees to be awarded as of August 25, 1986. While there is no graduation ceremony in August, August graduates are invited to attend the ceremony held in December. Doctoral graduates should notify the Candidate Office, Room 1101B, North Administration Building, if they intend to participate in the December ceremonies.

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. Four semester hours of academic credit in each six week session constitutes full-time enrollment for Veterans Administration purposes.

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 or Provost.

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 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.

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.

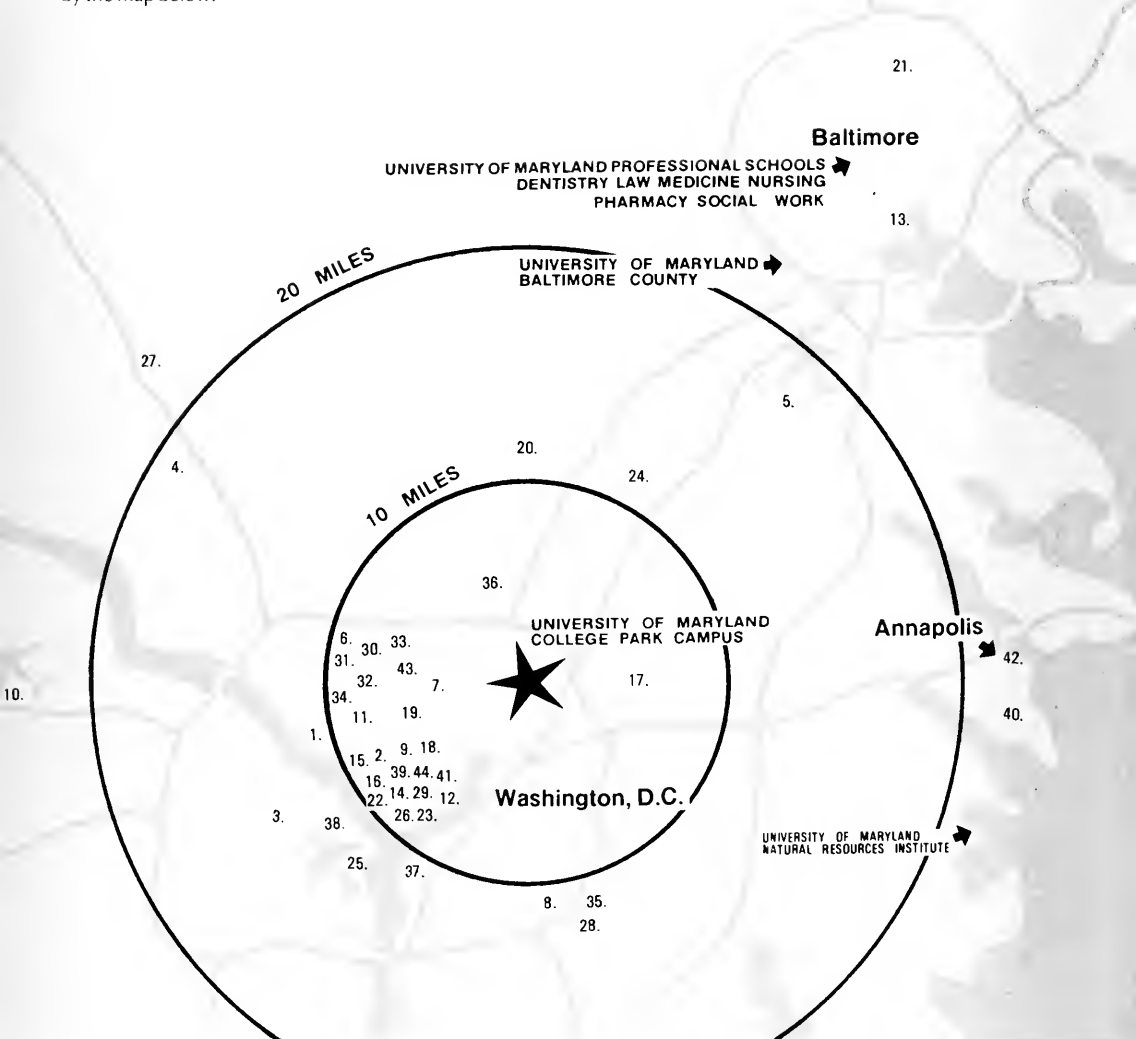
Eligibility for admission to graduate courses varies considerably from one area of study to another. In general, a bachelor's degree and a superior undergraduate academic record in an appropriate field are required. However, under some circumstances, appropriate training and experience may make up for 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 | 16. GEORGE WASHINGTON UNIVERSITY | 31. NAT. METEOROLOGICAL CTR. |
| 2. ARENA STAGE | 17. GODDARD SPACE FLIGHT CTR. | 32. NAT. ZOOLOGICAL PARK |
| 3. ARLINGTON NAT. CEMETERY | 18. HIRSHHORN GALLERY | 33. NAVAL MEDICAL CTR. |
| 4. ATOMIC ENERGY COMMISSION | 19. HOWARD UNIVERSITY | 34. NAVAL OBSERVATORY |
| 5. BALTO./WASH. INTERNATIONAL AIRPORT | 20. JOHNS HOPKINS APPLIED PHYSICS LAB. | 35. NAVAL OCEANOGRAPHIC OFFICE |
| 6. BETHESDA NAT. NAVAL MEDICAL CTR. | 21. JOHNS HOPKINS UNIVERSITY | 36. NAVAL ORDNANCE LAB. |
| 7. CATHOLIC UNIVERSITY | 22. KENNEDY CTR. FOR THE PERFORMING ARTS | 37. NAVAL RESEARCH LAB. |
| 8. CENSUS BUREAU | 23. LIBRARY OF CONGRESS | 38. PENTAGON |
| 9. CORCORAN GALLERY | 24. NAT. AGRICULTURE LIBRARY | 39. SMITHSONIAN INSTITUTION |
| 10. DULLES INTERNATIONAL AIRPORT | 25. NAT. AIRPORT | 40. SMITHSONIAN ECOLOGICAL CTR. |
| 11. DUMBARTON OAKS | 26. NAT. ARCHIVES | 41. U.S. CAPITAL |
| 12. FOLGER SHAKESPEARE LIBRARY | 27. NAT. BUREAU OF STANDARDS | 42. U.S. NAVAL ACADEMY |
| 13. FORT McHENRY | 28. NAT. ENVIRONMENTAL SATELLITE CTR. | 43. WALTER REED ARMY MEDICAL CTR. |
| 14. FREER GALLERY | 29. NAT. GALLERY OF ART | 44. WHITE HOUSE |
| 15. GEORGETOWN UNIVERSITY | 30. NAT. INSTITUTES OF HEALTH | |

GENERAL INFORMATION



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, North Administration 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			
	80	100	120	180
1	1.6	2	2.4	3.6
2	3.2	4	4.8	7.2
3	4.8	6	7.2	10.8
4	6.4	8	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	1.2	1.8	2.4
2	1.6	2	2.4	3.6	4.8
3	2.4	3	3.6	5.4	7.2
4	3.2	4	4.8	7.2	9.6
5	4.0	5	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 $SCS = 8 + 5.4 + 3.2 = 16.2 = \text{full-time}$

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	$\frac{3}{4}$ time
6-8	12	$\frac{1}{2}$ time
less than 5	6	$\frac{1}{4}$ 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, North Administration 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).

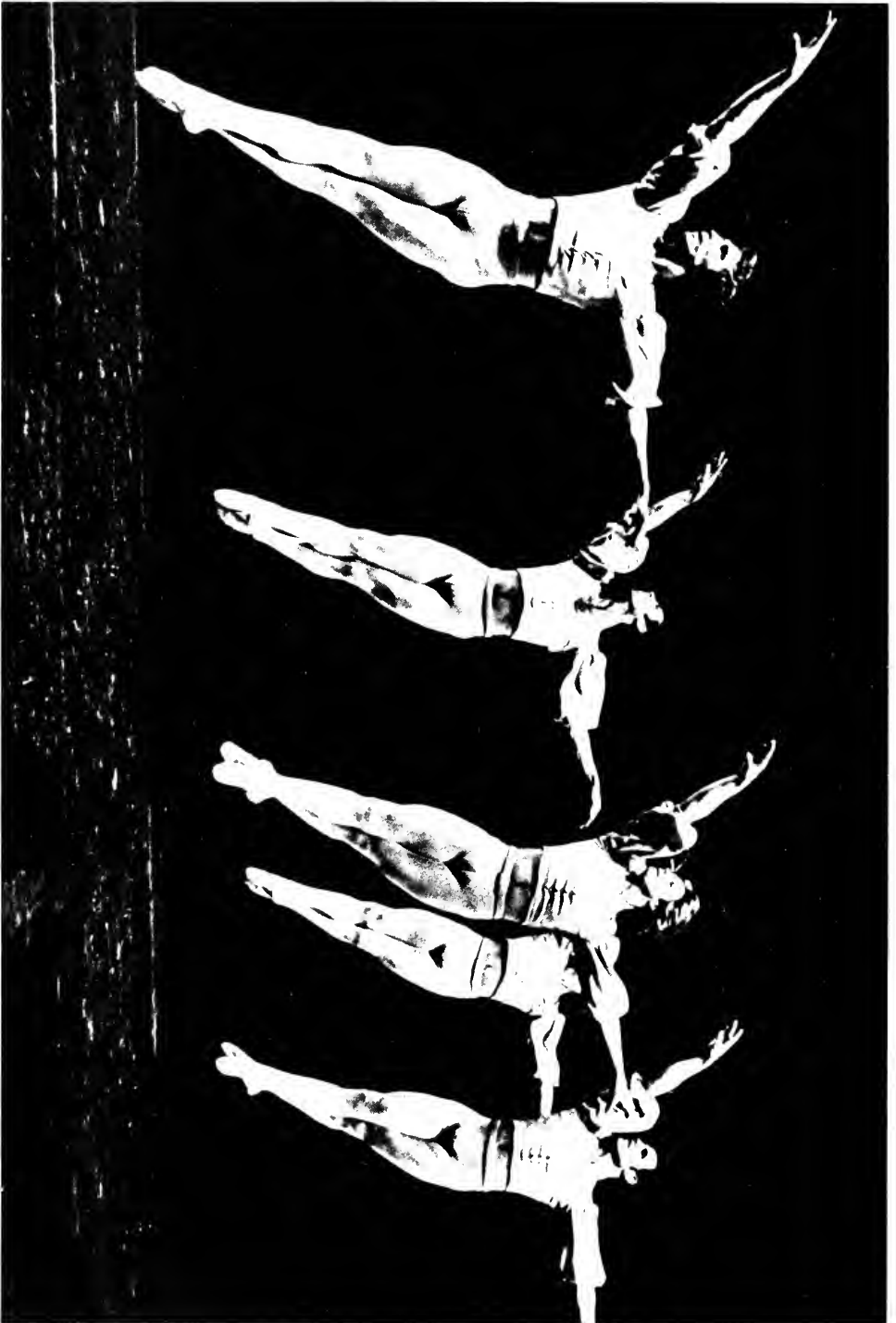
COMPUTER SCIENCE CENTER

Attend a free "Introduction to the Computer Science Center." One-hour orientation seminar for new and potential computer users. No need to register; held during the first week of June. Look for dates and times in the *Diamondback*. Also, non-credit short courses will be offered beginning in June. Call 454-4261 for registration 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



The Hartford Ballet, with its reputation for matchless theatricality, will entertain you on Saturday, July 26.

GENERAL INFORMATION



MOTOR VEHICLE REGISTRATION

All students are required to register their motor vehicles at the time of registration for classes. **STUDENTS MUST BRING THE CURRENT REGISTRATION CARD FOR EACH VEHICLE TO BE REGISTERED. YOU CANNOT REGISTER YOUR VEHICLE WITHOUT THIS DOCUMENT, AND A STUDENT I.D. CARD.**

Parking stickers for motor vehicles previously registered for the 1985-86 academic year will be honored for the 1986 Summer Sessions. For motor vehicles operated by new students or non-registered motor vehicles operated by continuing students, there will be a registration fee of \$4.00 for first vehicle and \$10.00 for each additional vehicle, which must be paid to the Motor Vehicle Administration Office when the vehicle is registered (see Tuition and Fees). Vehicles must be registered by the legal operator only. Several parking lots are designated for use by students and staff. Students may park registered motor vehicles in lots 1, 2, 3, 4, 7, 9, 11 and if the vehicle is a compact car, it may utilize small car parking lot 8. All other lots are reserved for faculty and staff members. University Regulations prohibit the parking of motor vehicles on any Campus road, fire lane or medical spaces reserved for handicap parking. These regulations are enforced by the University Police. Questions regarding Motor Vehicle Registration should be directed to the Motor Vehicle Office, Rossborough Drive, opposite Ritchie Coliseum, from 8:30a.m. to 4:15p.m. Monday through Friday, or by telephone on 454-4242 or 4243.

HANDICAPPED PARKING

Only vehicles displaying STATE issued handicapped license tags and/or window permits, identifying the driver or passenger as handicapped will be authorized to park in designated handicapped spaces, at unpaid parking meters or in any unguaged parking lot on this campus. DAV tags or any locally issued tags will not be recognized for this purpose. Contact your state MVA office for details. All persons associated with the University must purchase and display a UMCP parking decal for the current year.

Only persons for 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. The Health Center does not issue routine absence excuses for illness or injury. In cases of prolonged absence or a missed exam, with the student's signed permission, the Health Center will verify dates of treatment.

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 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 1986 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 from the period just prior to 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 from spring room assignments to Summer Sessions assignments, 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 this special occupancy 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:

- Fully furnished and fully equipped apartments and/or suites. Private bath, shared living area and single and double bedrooms are within each apartment/suite for four to seven students. Apartments/suites are air-conditioned and fully carpeted. Apartments only include kitchen facilities and dining area; **occupancy in suite will require limited meal plan.**

Rooms 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, 3117B North Administration Bldg., University of Maryland, College Park, MD 20742, Tele: (301) 454-2711.

Jazz Tap Ensemble is about rhythm, dancing, and music. Come see them perform on Saturday, June 21.



GENERAL INFORMATION

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, Office of the Vice-Chancellor for Student Affairs, Room 2108 North Administration Building, College Park, MD 20742, Tele. (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 electron microscopes; 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 photomechanics lab; a gravitational radiation detection system including a gravimeter on the moon; three retroreflector arrays on the moon; a psycho-pharmacology 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; laboratories for parallel computation, computer graphics, computer-aided design, 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, transportation studies, archaeoastronomy, and Mediterranean archaeology; the Astronomy Observatory; and the Water Resources Center.

The College Park Campus also operates one of the largest and most sophisticated long-wavelength radio telescopes (located at Clark Lake, Southern 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 Centers for Family Service; Educational Research and Development; Family, Housing and Community; Industrial Relations and Labor Studies; Information Sciences Research; Mediterranean Archaeology; Philosophy and Public Policy; Productivity and Quality of Working Life; Renaissance and Baroque Studies; Study and Research in Business and Public Policy; Young Children; and the Survey Research Center; the Engineering Research Center; the Laboratory for Plasma and Fusion Energy Studies; and the Institutes for Exceptional Children and

Youth; Physical Sciences and Technology; and Research in Higher and Adult Education.

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 18 operations to serve the University community. Among these are four dining halls, 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 cafeteria features an extensive soup and salad bar, sandwiches, grill line, hot entrees and an ever changing a la carte menu. For a late night snack you needn't go far. South Hill Snack Bar, located in South Campus Dining Hall is open 9:00 PM until 1:00 AM Sunday through Thursday. Now open Monday through Sunday, is the Leonardtown Convenience Store which 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. The Terabac Dinner Theatre, located in Cambridge Dining Hall, presents at least four student produced shows during the year. For show times and ticket information call 454-3020.



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

GENERAL INFORMATION

orientation. 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 (TTY)

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 general library), the R. Lee Hornbake Library containing the Undergraduate Library, Nonprint Media Services, and the Music 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 and the Engineering and Physical Sciences Library. The libraries have a total book collection of more than 1.6 million volumes and currently receive over 19,000 serials. In addition, the libraries contain 2.3 million microforms; 600,000 U.S., state and international government documents; 900,000 technical reports; 40,000 cassettes, records and tapes; and over 80,000 maps. Bibliographical facilities include book catalogs of the British Museum, Bibliothèque Nationale, Library of Congress and national bibliographies of many foreign countries. Special collections include the Katherine Anne Porter Room, East Asia collection, Marylandia, industrial and craft union files, music education association files 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 data-base searches, reading reserve material and arranging interlibrary loans are available in all libraries.



UNIVERSITY BOOK CENTER

The University Book Center, is located in the lower level of the Adele H. Stamp Union Building. Textbooks, popular and professional books, classroom materials, University and fashion clothing, groceries and many other items may be purchased at reasonable prices.



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 U.M.C.P. 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. For further information contact Jim Davis in the Retired Volunteer Service Corps office at 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, non-matriculant 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 FIRST AMERICAN CLASSICAL GUITAR CONGRESS

June 10-14, Eliot Fisk, President

The Institute, in cooperation with national and regional classical guitar organizations, will sponsor this first exposition of the state of the art of classical guitar playing in America. The agenda will include symposia dealing with career development, composition, transcription and arrangement, pedagogy and guitar societies; lecture-recitals providing an overview of existing repertoire and the introduction of new works; concerts to include chamber music, the latin heritage, and solo recitals by leading artists. Luthiers, manufacturers of accessories and publishers of music for the guitar will participate in an exhibition. The Smithsonian Institution will present a special exhibition and lecture-demonstration of guitars from their collection. Registration is open to anyone interested in classical guitar.

Pre-Registration Fees
(Received by May 10, 1986)

Full Congress: \$90.00
Daily Rate: \$30.00

Late Registration Fees
(After May 10, 1986)

Full Congress: \$120.00
Daily Rate: \$40.00

THE UNIVERSITY OF MARYLAND INTERNATIONAL PIANO FESTIVAL AND WILLIAM KAPPELL COMPETITION

Eugene Istomin, Artistic Director
July 10-19, 1986

The Festival presents internationally-acclaimed artists and teachers in master-classes, lecture-recitals, symposia and concert-recitals. The Competition offers contestants from throughout the world more than \$30,000 in prize money. The First Prize includes \$15,000, a performance with the Philadelphia Orchestra and a major debut in Carnegie Hall, New York. Finals will be held in the Kennedy Center with the National Symphony Orchestra. All events are open to the general public.

Pre-Registration Fees
(Received by June 10, 1986)

Full Festival: \$225.00

Late Registration Fees
(After June 10, 1986)

Full Festival \$275.00



UNIVERSITY CHORUS 1986 SUMMER SEASON

Join the University Chorus and sing some of the world's great choral literature. The Music Director, Dr. Paul Traver, has planned an exciting season with rehearsals and performances scheduled through both summer sessions. Several exciting events are being planned for this summer season. The chorus is open to all students, faculty and staff of the University and their

families. Summer membership requires participation during *both* Summer Sessions. Contact the Music Department for further information about auditions and rehearsals.

The Chorus regularly performs with some of the world's major symphony orchestras and frequently appears with the National Symphony at both the John F. Kennedy Center and Wolf Trap Farm Park. Come and enjoy being part of so highly-respected an organization.

UMCP ELDERHOSTEL Program

UMCP ELDERHOSTEL is an academically-oriented residential program which attracts persons age 60 and above from around the nation to the UMCP Campus for two one-week sessions. Three specialized daily courses, taught by some of the outstanding UMCP faculty members, are offered to participants during each session. The curriculum is designed to offer a flavor of the academic strengths of the University and the historical background of the Washington Metropolitan Area.

The benefits of ELDERHOSTEL, however, are not strictly academic. Participants are offered a wide range of social and cultural activities, including field trips to Washington, D.C., campus receptions, and Tawes Theatre productions. Local residential or commuter participants are welcomed.

For further information, contact Jim Davis, Experiential Learning Programs/Retired Volunteer Service Corps Office, (301) 454-4767.



DIVISION OF ARTS AND HUMANITIES

College of Journalism Eleventh Annual University of Maryland School Press Workshops and Yearbook Short Course

School Press Workshop I: School Press Workshop II:

Writing and Editing
June 23 through June 27
MTWThF, 9:30-3:30
Special Fee: \$75.00

Layout and Graphics
June 30 through July 3
MTWThF, 9:30-3:30
Special Fee: \$65.00

Featuring nationally known journalists and educators, the School Press Workshops provide special training for high school newspaper and newsmagazine publishing. School Press Workshop I focuses on newswriting, interviewing, sports reporting, editorial writing, and feature writing. School Press Workshop II provides experience with headline writing, copy editing, design techniques, typography, and pasteup. Informative trips to Washington, D.C. Air-conditioned dorm/hotel accommodations available at extra charge. For further information and application, write to Mrs. Lois Kay, College of Journalism, University of Maryland, College Park, MD 20742 or call 301-454-6939.

SPECIAL PROGRAMS

Yearbook Short Course

June 23-25
M-W, 10 a.m.-4 p.m.
Special Fee: \$50.00

In the eleventh annual Yearbook Short Course high school editors, reporters, and advisers can plan their 1985-86 school yearbook. Lecturers include noted yearbook experts Col. Charles Savedge, Dr. Regis L. Boyle, and Dr. William Lawbaugh. Lectures and work sessions will be held on budget and finance, advertising, theme, content, copywriting, photography, contemporary design, graphics, covers, and staff organization. Air-conditioned dorm/hotel accommodations available at extra charge. For further information and application, write to Mrs. Lois Kay, College of Journalism, University of Maryland, College Park, MD 20742 or call 301-454-6939.

Department of Music

MUSC 448C/699C. **Flute Masterclass**, 2 credits, or non-matriculant/non-credit registration at special fees: performers, \$155.; participants, \$60.; auditors, \$40. June 30 to July 12, 1986. M-F, 9 a.m.-10 p.m.; Sat., 9 a.m.-6 p.m. Performers accepted only by audition or tape.
Dr. William Montgomery

This annual masterclass, open to qualified musicians of all ages, has attracted outstanding flutists worldwide. The class features presentations on both the flute repertoire and technique and presents outstanding performances.

Department of Communication Arts and Theatre

THET 688. **Theatre Production Institute**, June 23 to July 16. 3 credits or non-matriculant/non-credit registration (SUMM 030) at special fee of \$300.00.
Professor Patti Gillespie

A three-week institute for high school teachers of theatre designed to improve skills in the production of plays. Each week, the institute will focus on a different play with selections from different periods and styles. The study will involve design, use of masks, make-up, sets, lighting, and working with inexperienced actors.



**DIVISION OF
BEHAVIORAL
AND SOCIAL SCIENCES**

Department of Anthropology

ANTH 499A/699A SUMM 015. **Field School in Historical Archaeology**. 6 credits or non-matriculant/non-credit registration at a special fee of \$475.00. Session I. MTWTh, 8:00 a.m. - 4:00 p.m.

Professor Mark Leone

An anthropological field school conducted at Annapolis, Maryland in cooperation with the Historical Annapolis Society. This area, one of the richest in resources on colonial America, provides a wonderful opportunity for students who wish to acquire skills in anthropological research. Open to both majors and non-majors. For details contact Dr. Mark Leone, Department of Anthropology, University of Maryland, College Park, Maryland 20742.

Telephone: (301) 454-4145.

Department of Geography

GEOG 150. **World Cities**. 3 credits, Session II, MW, 7:00-10:00 p.m.

Visiting Professor Vidyamali Samarasinghe, University of Peradeniya, Sri Lanka.

A study of the rapidly growing cities of developing nations, with emphasis on regional problems and strategies for countering run-away city growth.

GEOG 327. **South Asia**. 3 credits, Session I, TTh, 6:00-9:00 p.m.

Visiting Professor K. M. de Silva, Director of the International Center for Ethnic Studies, Kandy, Sri Lanka.

Analysis of the Indian Subcontinent, including India, Pakistan, Bangledeah and Sri Lanka. Historical and cross-cultural processes, languages, religion, economy, government, and development.

Department of Hearing and Speech Sciences.

SUMM 018A. **Pragmatics**. Students who wish to receive credit for this workshop should register, instead, for either HESP 438 or HESP 639A, depending upon undergraduate or graduate status. To receive credit an applicant must first be admitted to the University of Maryland College Park Campus. July 14-25. 9:30 a.m. - 12:30 p.m. Special non-matriculant/non-credit fee for the workshop: \$250.00.
Professor F. Roth

A workshop to provide continuing education to professional Speech-Language Pathologists and other special educators in accordance with national and state certification and licensure requirements.

SUMM 018B. **Hearing Problems in the Geriatric Population**. Credit registration: HESP 639C. See statement under SUMM 018A above.

Special workshop fee: \$250.00.

Professor S. Gordon-Salant

Provides continuing education to professional Audiologists and health/welfare professionals in accordance with national and state certification and licensure requirements.



**DIVISION OF HUMAN AND
COMMUNITY RESOURCES**

College of Education

Department of Curriculum and Instruction

EDCI 499B. **Seminar in Curriculum and Instruction**. 3 credits. July 14-25. MTWThF, 9:00 a.m. - 4:00 p.m. Special travel fee: \$35.00.

Professor V. P. Weaver

A team of College of Education faculty members will review the impact of teaching effectiveness research on practices and behaviors in the classroom, the role and potential of magnet schools and inquiry processes, tools and resources for enhancing the quality of teaching and learning. Special field trips and individual assistance will highlight this summer experience.

SPECIAL PROGRAMS

College of Human Ecology

Workshops in Historic Costumes and Textiles

TXCE 658A SUMM 016. **Computerization for Small Collections.** 2 credits or non-matriculant/non-credit registration at a special fee of \$300.00. July 7-11, 9:00 a.m. - 3:00 p.m.
Professor Jo B. Paoletti

Planning and implementation of computerized registration and records-keeping for the small museum or collection.

TXCE 658B SUMM 013. **Textiles Conservation Study Tour.** 2 credits or non-matriculant/non-credit registration at special fee of \$300.00. July 14-18, 8:30 a.m. - 4:00 p.m.
Professor Margaret Ordonez

A review and analysis of current techniques used by textile conservators as applied to major textile and costume collections in the metropolitan Washington area and at the Park Service Harpers Ferry Center.

TXCE 658C SUMM 017. **Degradation of Textile Fibers.** 2 credits or non-matriculant/non-credit registration at a special fee of \$300.00. July 21-25, 9:00 a.m. - 3:00 p.m.
Professor Ira Block

A study of the effects of light, heat, humidity and atmospheric pollutants on the mechanisms and rate of degradation of textile materials. Particular emphasis on natural fibers and older man-made materials. Discussion of treatments which retard the rate of decay and protective methods for the museum environment.

College of Library and Information Services

LBSC 499A SUMM 008A. **Archival Automation.** 3 credits or non-matriculant/non-credit registration at special fee of \$375. Session I, TuTh, 5:30-8:30 p.m.
Professor Frank Burke

Computer applications for a broad range of records management and archival activities including control of office files through appraisal, accessioning, arrangement, description, and use. Special emphasis on administering documentary collections with computer assistance.



DIVISION OF MATHEMATICAL AND PHYSICAL SCIENCES AND ENGINEERING

Department of Mathematics

SUMM 004. **Essentially Algebra: A Workshop to Accompany Math 110S.** Non-credit. Session I. M-F, 11:15 a.m.-12:00 p.m. Special fee: \$110. Concurrent registration with MATH 110S required.
Professor Mary Alter

To provide both instruction and practice in the basic algebra required in MATH 110 along with the regular MATH 110 topics. Instead of the usual sequence of algebra instruction in MATH 001 followed by MATH 110 at a later date, students will be enrolled concurrently in the MATH 110S Workshop and MATH 110S where they will be taught basic algebra and immediately apply the basic algebra to the appropriate topic in MATH 110.

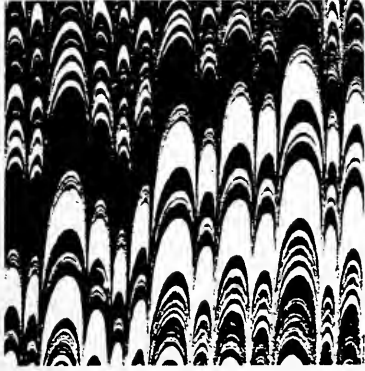
At the beginning of the session, most of the student's time will be directed towards the MATH 110S Workshop. As the session progresses, less time will be spent on the MATH 110S Workshop and the emphasis will be on the topics of MATH 110.

SUMM 003. **Building Math Self-Confidence: A Review of High School Algebra.** Non-credit. June 2 to June 20, M-F, 9:00 a.m. - 12:00 p.m. Building N, Room 2102. Special fee: \$207.00.
Professor Elizabeth Shearin.

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.



Momix: "Sensual and hauntingly beautiful. Weird and wonderful." (Pittsburgh Post-Gazette), June 28th at Tawes Theatre.



**MARYLAND
SUMMER
INSTITUTE
FOR THE
CREATIVE
AND
PERFORMING
ARTS**

*You Are
Cordially
Invited to a
Summer of
Free
Entertainment!*

**1986
SCHEDULE OF
EVENTS**

SESSION I

**THE FIRST AMERICAN
CLASSICAL
GUITAR CONGRESS**
(Public concerts):

Tuesday, June 10
MANUEL BARRUECO &
ELIOT FISK, guitarists

Wednesday, June 11
Latin-American Heritage Concert
LAURINDO ALMEIDA, RICARDO
IZNAOLA, JORGE MOREL &
GEORGE SAKELLARIOU, guitarists

Thursday, June 12
Chamber Music Concert
ELIOT FISK, guitarist and GARY
KARR, double bassist ROBERT
GUTHRIE, guitarist & MARY
ENDRESS, Soprano MICHAEL
NEWMAN & LAURA OLTMAN,
duo-guitarists

PETER SEGAL, guitarist & JANET
KETCHUM, flutist

Friday, June 13
Concert, Washington, D.C.
(Location TBA)
ELIOT FISK, DOUGLAS NIEDT,
DAVID STAROBIN
DAVID TANENBAUM & BENJAMIN
VERDERY, guitarists

Saturday, June 14
THE LOS ANGELES GUITAR
QUARTET & THE FIRST AMERICAN
CLASSICAL GUITAR ORCHESTRA

Saturday, June 21
JAZZ TAP ENSEMBLE

Saturday, June 28
MOMIX (modern dance)

Saturday, July 12
ENRIQUE GRAF

Sunday, July 13
ALEXANDER TORADZE

Monday, July 14
JAMES TOCCO

Tuesday, July 15
EMANUEL AX

Wednesday, July 16
JEAN-BERNARD POMMIER

Thursday, July 17
RAFAEL OROZCO

Friday, July 18
ANTON KUERTI

Saturday, July 26
THE HARTFORD BALLET

SESSION II

**THE UNIVERSITY OF MARYLAND
INTERNATIONAL PIANO
FESTIVAL
AND WILLIAM KAPPELL
COMPETITION**
(Evening Concerts)



A.



B.



C.



D.



E.

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 1986 performing arts event sponsored by the Maryland Summer Institute for the Creative and Performing Arts listed on the opposite page.

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 can purchase a Summer Activity Card at the cashier's window in the South Administration Building, and then present the card at the Tawes Theatre Box Office.

WHERE AND WHEN

Tawes Theatre Box Office (open Monday through Friday from 12:30-5:30 pm) will distribute complimentary tickets weekly to registered Summer Sessions students and Summer Activity Card holders on a first-come, first-served basis beginning Monday, May 19.

- A. Jazz Ensemble
- B. Hartford Ballet
- C. Momix
- D. Momix
- E. Hartford Ballet

For more information, call 454-4241 or 454-2201.

(All programs subject to change. All events in Tawes Theatre unless otherwise indicated.)



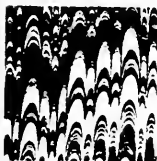
THE UNIVERSITY OF MARYLAND

INTERNATIONAL
PIANO
FESTIVAL
AND
WILLIAM KAPELL
COMPETITION

JULY 10 - 19, 1986

EUGENE ISTOMIN, *Artistic Director*

Sponsored by



MARYLAND
SUMMER
INSTITUTE
FOR THE
CREATIVE
AND
PERFORMING
ARTS

FOR INFORMATION:

Piano Festival & Competition
SUMMER PROGRAMS
University of Maryland
College Park, MD 20742
(301) 454-5276

Programs subject to change.

THE FESTIVAL

DAYTIME EVENTS:

Master classes and lecture recitals by internationally-recognized artists and teachers.

EVENING CONCERTS:

Saturday, July 12

ENRIQUE GRAF

Sunday, July 13

ALEXANDER TORADZE

Monday, July 14

JAMES TOCCO

Tuesday, July 15

EMANUEL AX

Wednesday, July 16

JEAN-BERNARD POMMIER

Thursday, July 17

RAFAEL OROZCO

Friday, July 18

ANTON KUERTI

THE COMPETITION

PRELIMINARY ROUNDS,

July 10-12

SEMI-FINAL ROUNDS,

July 13-16

COMPETITION FINALS,

with the NATIONAL SYMPHONY

ORCHESTRA, MSTISLAV

ROSTROPOVICH, Music Director,

JULIUS RUDEL, Conductor,

Concert Hall, Kennedy Center,

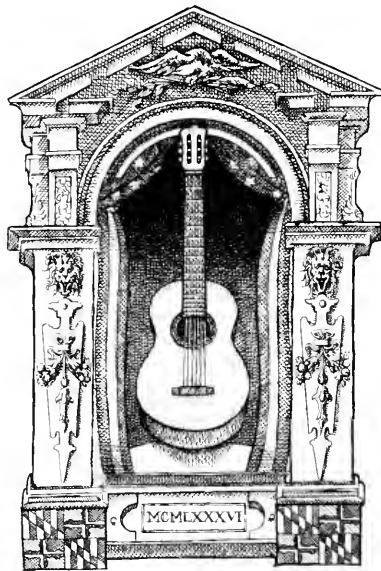
Washington, D.C., July 19, 1986.

The Maryland Summer Institute for the Creative and Performing Arts

The First American Classical Guitar Congress will provide a public exposition of the state of the art of classical guitar playing in America.

Agenda features the leading American guitarists in lecture-recitals, evening concerts, and symposia focusing on performance practice, repertoire, pedagogy, composing, career development, and classical guitar societies.

The closing concert will be a performance of the Los Angeles Quartet and the First Congress Guitar Orchestra.



The First American
**CLASSICAL
GUITAR
CONGRESS**

Eliot Fisk, President



June 10-14, 1986
The University of Maryland,
College Park Campus, and Washington, D.C.

American luthiers, manufacturers of strings & accessories, and publishers of music are being invited to provide an important exhibition.

The College Park Campus is located nine miles northeast of the U.S. Capitol Building, Washington, D.C. Accommodations on campus will be available at reasonable rates, as well as lodging at nearby motels.

The Guitar Foundation of America, and classical guitar societies throughout the nation are providing cooperative assistance.

**For a Brochure, or More Information
Call 454-5910**



Our season opens with The First American Classical Guitar Congress — Eliot Fisk, President. Join us for five days and nights of lecture-recitals and concerts, June 10-14.

A E E D

AGRICULTURAL AND EXTENSION EDUCATION (AGRI AND LIFE SCI)

A E E D 313	Student Teaching 5 credits. Grading Method REG A U D Contact department to make arrangements	Room Arranged	Cooper, E
0201	Time Arranged	Room Arranged	Cooper, E
Prerequisite: satisfactory academic average and permission of instructor. Full-time student teaching in an off-campus student teaching center under an approved supervising teacher of agriculture. Participating experience in all aspects of the work of a teacher of agriculture.			
A E E D 315	Student Teaching 1-4 credits. Grading Method REG A U D Contact department to make arrangements	Room Arranged	Cooper, E
0201	Time Arranged	Room Arranged	Cooper, E
Prerequisite: satisfactory academic average and permission of instructor. Full-time observation and participation in work of teacher of agriculture in off-campus student teaching center. Provost's students opportunity to gain experience in the summer program of work, to participate in opening of school activities, and to gain other experience needed by teachers.			
A E E D 325	Directed Experience in Extension Education 1-5 credits. Grading Method REG P-F A U D	Room Arranged	Nelson, C
0101	Time Arranged	Room Arranged	Nelson, C
0201	Time Arranged	Room Arranged	Nelson, C
Prerequisite: satisfactory academic average and permission of instructor. Full-time observation and participation in selected aspects of extension education in an approved training county.			
A E E D 487	Conservation of Natural Resources 3 credits. Grading Method REG P-F A U D Concurrent registration with A E E D 487 required. Field trips 6.7, 6.14, 6.24-6.26 (Eastern Shore), 7.1-7.3 (Western Maryland). A \$70 transportation fee for field trips will be assessed for the six credits of A E E D 487.497.	Blgd D, Room 0115	Gibson Jr, G
0101	W 7:00pm-10:00pm	Blgd D, 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 subject matter. Taken concurrently with A E E D 497 in summer season.			
A E E D 488	Critique in Rural Education 3 credits. Grading Method REG P-F A U D Contact department to make arrangements	Room Arranged	Staff
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
Current problems and trends in rural education.			
A E E D 489	Field Experience 1-4 credits. Grading Method REG P-F A U D Contact department to make arrangements	Room Arranged	Staff
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
Planned field experience for both major and non-major students. Repeatable to a maximum of four credits.			
A E E D 497	Conservation of Natural Resources 3 credits. Grading Method REG P-F A U D Concurrent registration with A E E D 487 required. Field trips 6.7, 6.14, 6.24-6.26 (Eastern Shore), 7.1-7.3 (Western Maryland). A \$70 transportation fee for field trips will be assessed for the six credits of A E E D 487.497.	Blgd D, Room 0115	Gibson Jr, G
0101	W 7:00pm-10:00pm	Blgd D, 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 conservation included. Taken concurrently with A E E D 487 in summer season.			
A E E D 499	Special Problems 1-3 credits. Grading Method REG P-F A U D Contact department to make arrangements	Room Arranged	Staff
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
A E E D 699	Special Problems 1-3 credits. Grading Method REG A U D Contact department to make arrangements	Room Arranged	Staff
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
A E E D 789Y	Special Topics: Current Legislative Issues in Agricultural Education 3 credits. Grading Method REG A U D	Blgd O, Room 0115	Nelson, C
0101	Tu 4:30pm-7:00pm	Blgd O, Room 0115	Nelson, C
Time Arranged			
A E E D 799	Master's Thesis Research 1-6 credits. Grading Method REG	Room Arranged	Staff
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
A E E D 899	Doctoral Dissertation Research 1-8 credits. Grading Method REG	Room Arranged	Staff
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

AGRICULTURE (AGRI AND LIFE SCI)

AGRI 389	Internship in Conservation and Resource Development 3 credits. Grading Method P-F Permission of department required. Natural Resources Management majors only.	Room Arranged	Gibson Jr, G
0101	Time Arranged	Room Arranged	Gibson Jr, G

AGRO

AGRONOMY (AGRI AND LIFE SCI)

AGRO 499	Special Problems in Agronomy 1-3 credits. Grading Method REG P-F A U D	Room Arranged	Staff
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
AGRO 608	Research Methods 2 credits. Grading Method REG A U D	Room Arranged	Staff
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 A U D Permission of department required	Room Arranged	Rabenhorst, M
0201	Time Arranged	Room Arranged	Rabenhorst, M
AGRO 799	Master's Thesis Research 1-6 credits. Grading Method REG	Room Arranged	Staff
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
AGRO 899	Doctoral Dissertation Research 1-8 credits. Grading Method REG	Room Arranged	Staff
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

AMST

AMERICAN STUDIES (ARTS AND HUMANITIES)

AMST 203	Popular Culture in America 3 credits. Grading Method REG P-F A U D Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement	Blgd A, Room 2108	Mintz, L
0201	TuTh 7:00pm-10:00pm	Blgd A, Room 2108	Mintz, L
An introduction to American popular culture, its historical development, and its role as a reflection of and influence on our culture and society.			

AMST cont.

AMST 330	Critics of American Culture 3 credits. Grading Method REG P-F A U D	Blgd A, Room 2108	Mintz, L
0201	TuTh 1:00pm-4:40pm	Blgd A, Room 2108	Mintz, L
Readings of American social purpose and protest. Readings from "classical" American thinkers: contemporary social commentators, and American Studies scholars.			
AMST 398	Independent Studies 1-3 credits. Grading Method REG P-F A U D	Room Arranged	Staff
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
AMST 418K	Cultural Themes in America: Race in America: Theory and Policy 3 credits. Grading Method REG P-F A U D	Blgd A, Room 2126	Diner, H
0101	MTUWTh 9:00am-11:00am	Blgd A, Room 2126	Diner, H
Meets USP Advanced Studies Development of Knowledge requirement American culture has been, since its earliest days, concerned with categorizing and labeling people on the basis of distinguishable physical characteristics. The evolution of this tendency to link physical differences with mental and temperamental differences historically involved the fields of the natural sciences, geography, ethnology, linguistics, theology, and literature. Race theory spilled over into American politics—both foreign and domestic—and shaped laws, mores, and behavior patterns, while popular race policies stimulated research and shaped the biases of racial theorists. Prerequisite: a prior course in American Studies, American History, or Sociology.			
AMST 428A	American Cultural Eras: Social Dramas in American Cultural History 3 credits. Grading Method REG P-F A U D	Blgd A, Room 2126	Lounsbury, M
0101	MW 7:00pm-10:00pm	Blgd A, Room 2126	Lounsbury, M
Meets USP Advanced Studies Development of Knowledge requirement Focus on images of the future—as found in advertising, utopian literature, film, world affairs, science fiction, community planning and Tolkien's "Future Shock"—to illustrate the strategies of social rhetoric and institutions in responding to the conflict and changes of America's past. Prerequisite: A prior course in American Studies, History, or Sociology.			
AMST 428B	American Cultural Eras: American Film Culture in the 1960's 3 credits. Grading Method REG P-F A U D	Blgd A, Room 2126	Lounsbury, M
0101	MW 1:00pm-4:00pm	Blgd A, Room 2126	Lounsbury, M
Meets USP Advanced Studies Analysis of Human Problems requirement Investigating the interaction between the film medium and an era of significant cultural change, the course will emphasize 10 influential factors (the Hollywood industry, the avant-garde film critic) that influence the production and appreciation of the motion picture. 20 Hollywood genres (the horror film, the war movie, the gangster movie, the musical, the substantial transformations during this period, 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 A U D	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
AMST 799	Master's Thesis Research 1-6 credits. Grading Method REG	Room Arranged	Staff
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
AMST 899	Doctoral Dissertation Research 1-8 credits. Grading Method REG	Room Arranged	Staff
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

ANSC

ANIMAL SCIENCE (AGRI AND LIFE SCI)

ANSC 386	Field Work 1-3 credits. Grading Method REG P-F A U D Permission of department required	Room Arranged	Staff
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 A U D Permission of department required	Room Arranged	Staff
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 A U D	Room Arranged	Staff
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ANSC 660	Poultry Literature 1-4 credits. Grading Method REG A U D	Room Arranged	Thomas, O
0101	Time Arranged	Room Arranged	Thomas, O
0201	Time Arranged	Room Arranged	Thomas, O
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 A U D Permission of department required	Room Arranged	Staff
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	Room Arranged	Staff
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	Room Arranged	Staff
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

ANTH

ANTHROPOLOGY (BEHAV AND SOCIAL SCI)

ANTH 389A	Research Problems 1-6 credits. Grading Method REG P-F A U D	Room Arranged	Staff
0101	Time Arranged	Room Arranged	Staff
0102	Time Arranged	Room Arranged	Staff
ANTH 499A	Field Methods in Archaeology: Summer Field School in Archaeology 1-6 credits. Grading Method REG P-F A U D	Room Arranged	Staff
See special programs of catalog			
0101	MTUWThF 7:00am-3:00pm	Room Arranged	Leone, M
ANTH 689A	Special Problems in Anthropology 1-6 credits. Grading Method REG A U D	Room Arranged	Leone, M
0101	Time Arranged	Room Arranged	Leone, M
0102	Time Arranged	Room Arranged	Chambers, E
ANTH 699A	Advanced Field Training in Archaeology 1-6 credits. Grading Method REG A U D See special programs section of catalog	Room Arranged	Leone, M
0101	MTUWThF 7:00am-3:00pm	Room Arranged	Leone, M
ANTH 705	Internship 6-12 credits. Grading Method REG A U D Permission of department required	Room Arranged (LAB)	Chambers, E
0101	Time Arranged	Room Arranged (LAB)	Chambers, E
Prerequisite: ANTH 701. Problem-oriented internship with an appropriate public agency or private institution under the direction of a faculty and agency supervisor.			

APDS

(HUMAN AND COMMUNITY RES)

APPLIED DESIGN

- APDS 101 Fundamentals of Design 3 credits; Grading Method: REG-P-F-AUD**
Pre-design and design majors only
- 0101 Meets JUN 2 to JUL 25
MW 9:00am-12:00pm Bldg. H, Room 2411 (LAB) Roper, J
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. Pre-design and design majors only
- 0101 Meets JUN 2 to JUL 25
MW 1:00pm-4:00pm Bldg. H, Room 2415 (LAB) Eckersley, M
Prerequisite: APDS 101 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**
Prerequisite: APDS 101. Prerequisite or co-requisite: APDS 102 Pre-design or design majors only
- 0101 Meets JUN 2 to JUL 25
TuTh 8:00am-12:30pm Bldg. H, Room 2415 (LAB) Thomas, C
Pre- or co-requisite APDS 102 Creative efforts directed to discriminating use of form, volume, depth, and movement
- APDS 104 Survey of Design History 3 credits; Grading Method: REG-P-F-AUD**
Meets USP Distributive Studies (C) Literature and the Arts requirement. Meets USP
- 0101 MTuWThF 9:30am-10:50am Bldg. H, Room 1400 McWhinnie, H
A general introduction to, and historical development of, the design fields from 1850 to the present. Examination of the influence of design on our lives and our environment, with emphasis on western culture.
- APDS 210 Presentation Techniques 3 credits; Grading Method: REG-P-F-AUD**
Prerequisite: APDS 101, 102. Design majors only
- 0101 Meets JUN 2 to JUL 25
TuTh 8:00am-12:30pm Bldg. H, Room 2411 (LAB) Odland, S
Prerequisites: APDS 101, 102 or equivalent. Comparative approach to basic presentation techniques used in the several areas of commercial design
- APDS 237 Photography 3 credits; Grading Method: REG-P-F-AUD**
Advertising design majors only. Prerequisites: APDS 101A, 102
- 0101 Meets JUN 2 to JUL 25
TuTh 1:30pm-6:00pm Bldg. H, Room 0110 (LAB) Elliott, L
Prerequisites: APDS 101, 102, or equivalent. Study of fundamental camera techniques. Exploration of the expressive possibilities in relation to the field of design and visual communication.
- APDS 337 Advanced Photography 3 credits; Grading Method: REG-P-F-AUD**
Prerequisites: APDS 101, 102, 237. Advertising design majors only.
- 0101 Meets JUN 2 to JUL 25
TuTh 8:00am-12:30pm Bldg. H, Room 0110 (LAB) Elliott, L
Prerequisite: APDS 237 Composition, techniques and lighting applicable to illustration, documentation, advertising design, and display.
- APDS 386 Field Work 1-3 credits; Grading Method: REG-P-F-AUD**
Permission of department required. Advertising design majors only. Must be taken concurrently with APDS 387.
- 0101 Meets JUN 2 to JUL 25
Time Arranged Room Arranged (LAB) Roper, J
- APDS 387 Field Work Analysis 1-3 credits; Grading Method: REG-P-F-AUD**
Permission of department required. Advertising design majors only. Must be taken concurrently with APDS 386.
- 0101 Meets JUN 2 to JUL 25
Time Arranged Room Arranged (LAB) Roper, J
- APDS 430 Advanced Problems in Advertising Design 3 credits; Grading Method: REG-P-F-AUD**
Prerequisites: APDS 101A, 102, 330, and 331 Advertising design majors only
- 0101 Meets JUN 2 to JUL 25
TuTh 1:00pm-5:30pm Bldg. H, Room 1413 (LAB) Thorpe, J
Prerequisite: APDS 331 Advanced problems in design and layout 1949 for developing competency in one or more areas of advertising design.
- APDS 431 Advanced Problems in Advertising Design 3 credits; Grading Method: REG-P-F-AUD**
Prerequisite: APDS 430 Advertising design majors only
- 0101 Meets JUN 2 to JUL 25
TuTh 8:00am-12:30pm Bldg. H, Room 1413 Thorpe, J
Prerequisite: APDS 430. 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 499B Individual Problems in Applied Design: Digital Computer Graphics 3 credits; Grading Method: REG-P-F-AUD**
Prerequisite: HSAD 488C, or HSAD 488D, or one course in video or programming, or permission of instructor.
- 0101 MTuWTh 1:00pm-4:00pm Bldg. H, Room 1413A (LAB) Lee, S
Digital image processing. Combines the technology of computer graphic systems with video for advanced imagery in print graphics, photography animation, video and film
- APDS 499C Individual Problems in Applied Design: Computer-Aided Graphic Design 3 credits; Grading Method: REG-P-F-AUD**
Prerequisite: APDS 101A or ARTS 100 or permission of instructor. Additional 4-hour lab must be scheduled each week.
- 0201 MW 8:30am-10:00am Bldg. H, Room 1413 Gips, C
0202 MW 10:00am-11:30am Bldg. H, Room 1413A (LAB) Gips, C
0202 MW 8:30am-10:00am Bldg. H, Room 1413 Gips, C
0202 MW 8:30am-12:30pm Bldg. H, Room 1413A (LAB)
- Introduction to computer software for graphic design. A hands-on laboratory course for designers, artists and others interested in electronic imaging techniques in graphic design. Overview of the operation of a personal computer work station and use of one software package for graphic design applications.

ARCH

ARCHITECTURE (ARTS AND HUMANITIES)

- 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
Introduction to conceptual, perceptual, behavioral and technical aspects of environmental design, methods of analysis, problem solving and project implementation
- ARCH 222 History of Western Architecture 3 credits; Grading Method: REG-P-F-AUD**
Meets USP Distributive Studies (C) Literature and the Arts requirement
- 0201 MTuWThF 9:30am-10:50am Bldg. ARC, Room 1105 McMichael, C
Prerequisite: ARCH 170 or permission of instructor. Survey of the major monuments and styles of western architectural history from the ancient world to the twentieth century. Not available for credit to students who have taken ARCH 220 or ARCH 221. Not available for credit to students who have taken ARCH 340 or ARCH 341.

ARCH cont.

- ARCH 242 Drawing 1 2 credits; Grading Method: REG-P-F-AUD**
- 0101 TuTh 7:00pm-10:00pm Bldg. ARC, Room 1105 Staff
0102 TuTh 7:00pm-10:00pm Bldg. ARC, Room 1103 Staff
Introduces the student to basic techniques of sketching and use of various media
- ARCH 408C Selected Topics in Architecture Studio: College Park Studio 3 credits; Grading Method: REG-P-F-AUD**
Prerequisite: ARCH 403 or equivalent.
- 0101 MTuWThF 2:00pm-4:50pm Bldg. ARC, Room 1105 Staff
0201 MTuWThF 2:00pm-4:50pm Bldg. ARC, Room 1105 Muse, S
Comprehensive building and urban design. Studio options in advanced topical problems.
- ARCH 416 Advanced Architectural Structures 3 credits; Grading Method: REG-P-F-AUD**
0201 TuTh 7:00pm-10:00pm Bldg. ARC, Room 1103 Loss, J
Prerequisites: ARCH 403 and ARCH 412. Analysis of structural issues in architectural design, structure as an architectural form determinant; integration of architectural, structural and other technical disciplines in building design.
- ARCH 488C Selected Topics in Architectural Preservation: Cape May Historic Preservation Workshop 3 credits; Grading Method: REG-P-F-AUD**
Permission of department required. Contact David Fogle for information. Attendance in Cape May, N.J. required 29 May - 27 June.
- 0101 Time Arranged Room Arranged Fogle, D
- ARCH 679 Independent Studies in Architecture: Independent Studies 1-6 credits; Grading Method: REG-AUD**
- 0101 Time Arranged Room Arranged Staff

AREC

AGRICULTURE AND RESOURCE ECONOMICS (AGRI AND LIFE SCI)

- 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. ARC, Room 1103 Hanson, 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

ARTE

ART EDUCATION (HUMAN AND COMMUNITY RES)

- ARTE 100 Fundamentals of Art Education 3 credits; Grading Method: REG-P-F-AUD**
- 0101 MTuWThF 9:30am-11:30am Bldg. AS, Room 3304 (LAB) Divito, C
Fundamental principles of the visual arts for teaching on the elementary level. Elements and principles of design and theory of color. Studio practice in different media.

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. AS, Room 1213 Diferencio, F
0201 MTuWThF 9:30am-10:50am Bldg. AS, Room 1213 Hinds, C
Basic tools of understanding visual art. This course stresses major approaches such as techniques, subject matter, form, and evaluation. Architecture, sculpture, painting, and graphic arts will be discussed. Required of all art majors in the first year.
- ARTH 260 History of Art 3 credits; Grading Method: REG-P-F-AUD**
Meets USP Distributive Studies (C) Literature and the Arts requirement.
- 0101 MTuWThF 1:00pm-5:00pm Bldg. AS, Room 1213 Moreno, I
A survey of western art as expressed through architecture, sculpture and painting. Prehistoric times to Renaissance.
- ARTH 261 History of Art 3 credits; Grading Method: REG-P-F-AUD**
Meets USP Distributive Studies (C) Literature and the Arts requirement.
- 0201 MTuWThF 1:00pm-5:00pm Bldg. AS, Room 1213 Weller, D
A survey of western art as expressed through architecture, sculpture and painting from Renaissance to the present.
- ARTH 320 Masterpieces of Painting 3 credits; Grading Method: REG-P-F-AUD**
- 0201 MTuWThF 1:00pm-5:00pm Bldg. AS, Room 3211 Johnson, L
A study of the contributions of a few major painters, ranging from Giotto to Titian.
- 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 425 High Renaissance Art in Italy 3 credits; Grading Method: REG**
- 0201 MTuWThF 9:30am-10:50am Bldg. AS, Room 3211 Hoffman, J
Architecture, sculpture and painting from about 1500 to 1525.
- ARTH 440 19th Century European Art 3 credits; Grading Method: REG-P-F-AUD**
- 0101 MTuWThF 8:00am-9:20am Bldg. AS, Room 3211 Ottesen, B
Architecture, sculpture and painting in Europe from Realism to Romanticism.
- ARTH 450 20th Century Art 3 credits; Grading Method: REG-P-F-AUD**
- 0101 MTuWThF 9:30am-10:50am Bldg. AS, Room 3211 Peters-Campbell, J
Painting, sculpture and architecture from the late 19th century to 1920.
- ARTH 451 20th Century Art 3 credits; Grading Method: REG-P-F-AUD**
- 0201 MTuWThF 11:00am-12:20pm Bldg. AS, Room 3211 Hoffman, J
Painting, sculpture and architecture from 1920 to the present.
- ARTH 452 History of Photography 3 credits; Grading Method: REG-P-F-AUD**
- 0101 MTuWThF 11:30am-12:50pm Bldg. AS, Room 3211 Diferencio, F
History of photography as art from 1839 to the present.



FORM BOOKLET CONTENTS:

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Schedule Request and Estimated Bill Form – <i>Summer Session II</i>	9–10	
Summer Residence Halls Agreement.....	11–12	

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 on page 6 of the catalog. In many instances registration, billing and grading procedures will be different for these courses.

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

0101	MTuWThF8	Bldg G, Rm. 3118	Staff
0102	MTuWThF11	Bldg GG, Rm. 3111	Staff
0201	MTuWThF30	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.

2. **DANC 100 Modern Dance I for Non-Majors** 2 credits, grading method: Reg/P-F/Aud
method: Reg/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.

3. **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.

SUMMER SESSION I FORM BOOKLET

LIVE ON CAMPUS THIS SUMMER!



Enjoy living on campus this summer in apartments/suites with single and double bedrooms accommodating four to seven students. Apartments/suites are fully furnished, with carpeting and the comfort of air-conditioning. Apartments include full kitchens.

Take a break from studying with the recreational facilities nearby. Tennis, basketball and volleyball are available for your enjoyment, or relax in the Community Center offering video games, snacks, laundry facilities and telephones.



Early reservations are advised, see the Summer Residence Halls Agreement on page 11.

NON-DEGREE APPLICATION FOR GRADUATE ADMISSION



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

A non-refundable fee of U.S. \$20.00 must accompany the application. Incomplete application will be returned.

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 1986

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 _____

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? 1985? YES NO 1986? 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 _____
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)
- 14. If employed, is Maryland income tax being withheld?
- 15. Did you give a Maryland home address on most recent federal and state income tax forms?
- 16. 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 College Park Campus

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.

--	--	--

Last Name First Name Middle Name

3.

--	--	--	--

Number & Street of Present Mailing Address City State Zip Code

4.

--	--	--	--	--	--

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.

--	--	--	--

 M D Y

Birthdate

8. Please check the appropriate box below:

- White, not of Hispanic Origin Asian or Pacific Islander American Indian or Alaskan Native
 Black, not of Hispanic Origin Hispanic

RA	GEOG	CITZ	APPFEE				
0	6	8	5	9	9	9	9
UGTERM				COUST			

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.

3

UG TYPE ENSTAT

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 _____

12. List the high school from which you graduated or expect to graduate. Also list all colleges and universities previously attended, including U. of MD. 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	Credits Earned	Degree Obtained
		From	Through			
Secondary School or GED						
College/University						
College/University						

High School

--	--	--	--

College Board Code

Previous Institution

--	--	--	--

Code

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? 1984? YES NO 1985? 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 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

SUMMER SESSION I ONLY

INSTRUCTIONS for completion of the ESTIMATED BILLING FORM are given below the form

ESTIMATED BILL FORM											AMOUNT	
Undergraduate Students	CREDIT HOURS											
	1	2	3	4	5	6	7	8	9	10		
1. Tuition	77	154	232	308	385	462	539	616	693	770	\$	
2. Non-Resident Undergraduate Fee (flat fee, not per cr. hr.)											\$20.00	\$
Graduate Students	CREDIT HOURS											
	1	2	3	4	5	6	7	8				
3. Resident Tuition	92	184	276	368	460	552	644	736			\$	
4. Non-Resident Tuition	163	326	489	652	815	978	1141	1304			\$	
5. Mandatory Fees For All Students	Registration Fee									\$ 5	\$	5.00
	Recreation Fee									\$ 6	\$	6.00
	Health Fee									\$ 5	\$	5.00
	Auxiliary Facilities Fee									\$ 6	\$	6.00
6. On-Campus Housing (attach Residence Halls Agreement Form)	Six Weeks									\$345.38	\$	
	_____ Wks (or \$57.56 wk (must be at least 6 wk period)										\$	
8. Vehicle Registration Fee										\$ 4	\$	
	Each Additional Vehicle									\$10	\$	
9. Application Fee for New Students (non-refundable)										\$20	\$	
10. 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.

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 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.
- If you wish to register a car for the summer, enter \$4 on 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 South Administration Bldg.
 University of Maryland
 College Park, Maryland 20742

1986
SUMMER SESSION II ONLY

INSTRUCTIONS for completion of the ESTIMATED BILLING FORM
are given below the form

ESTIMATED BILL FORM											AMOUNT		
Undergraduate Students	CREDIT HOURS												
	1	2	3	4	5	6	7	8	9	10			
1. Tuition	77	154	232	308	385	462	539	616	693	770	\$		
2. Non-Resident Undergraduate Fee (flat fee, not per cr. hr.)											\$20.00	\$	
Graduate Students	CREDIT HOURS												
	1	2	3	4	5	6	7	8					
3. Resident Tuition	92	184	276	368	460	552	644	736			\$		
4. Non-Resident Tuition	163	326	489	652	815	978	1141	1304			\$		
5. Mandatory Fees For All Students				Registration Fee							\$ 5	\$	5.00
				Recreation Fee							\$ 6	\$	6.00
				Health Fee							\$ 5	\$	5.00
				Auxiliary Facilities Fee							\$ 6	\$	6.00
6. On-Campus Housing attach Residence (Halls Agreement Form)				Six Weeks							\$345.38	\$	
				_____ Wks (or \$57.56 wk (must be at least 6 wk period)								\$	
8. Vehicle Registration Fee											\$ 4	\$	
Each Additional Vehicle											\$10	\$	
9. Application Fee for New Students (non-refundable)											\$20	\$	
10. 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

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 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.
- If you wish to register a car for the summer, enter \$4 on 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 South Administration Bldg.
University of Maryland
College Park, Maryland 20742

How To Reserve On-Campus Summer Housing

STUDY the terms and conditions under which housing is offered. These are in the Summer Residence Halls Agreement below and on the reverse.

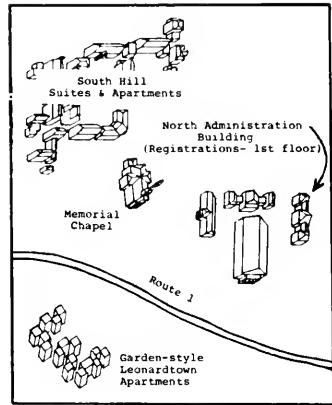
COMPLETE the Agreement form on the reverse and **sign your name**. Use this form only if your summer enrollment is at the College Park Campus (not University College).

DO NOT complete the Agreement form if you will be enrolled and working this summer for Resident Life or another campus department. Separate procedures apply; contact Resident Life at 454-2711 or 3117 North Administration Building for instructions.

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 by **May 6** (recommended) in order to receive priority consideration for your assignment preferences. Housing will be provided to all interested Summer Sessions students, regardless of the date the Agreement is submitted.

KEEP the Agreement below for your records and information. Notice of your actual assignment will be mailed by Resident Life about 10-14 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 Sessions 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.

ELIGIBILITY Individuals must be properly registered for Summer Sessions coursework at the College Park Campus in order to be assigned and be eligible for the Summer Sessions housing fee of \$345.38 for each six-week session. Proof of payment and proper registration may be required before Resident Life will confirm services at the stated fee and/or permit occupancy. 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, when these individuals are (a) UMP students for the preceding spring or coming fall semesters, as demonstrated by a current Registration ID or proof of admission, or (b) students from another campus, college or university, or individuals of similar age and interests, who are visiting UMP in pursuit of an educational goal and for whom written sponsorship has been provided by a Campus Department or faculty member, a faculty member or administrator from another educational institution, or an administrator of a government agency sponsoring an educational program. Proof of payment of established fees and of eligibility/sponsorship may be required before Resident Life will confirm services and/or permit occupancy.

OCCUPANCY PERIODS Housing may be requested for Session I only, Session II only, or for both Sessions I and II. In general, summer occupancy is scheduled from June 1, 1986 to August 22, 1986 for Sessions I and II registrants, from June 1, 1986 to July 11, 1986 for Session I only registrants and from July 13, 1986 to August 22, 1986 for Session II only registrants.

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. Daily hours for visitation may extend to 24 hours. 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 kitchens and dining area and suites (no kitchens, no cooking permitted). Both apartments and suites are fully furnished, and have carpeting, shared living room area, two 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 singles, in each building type are limited. To assure that these spaces are assigned as equitably as possible, all signed and completed Agreements received by Resident Life by May 5 will be submitted to a lottery drawing. The lottery will determine priority for building and room types.

Agreements received after May 5 will be considered on a first-come, first-served basis for existing vacancies.

Building assignments normally are confirmed in advance of the first occupancy date. This confirmation is mailed to the applicant's permanent 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.

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.

UNIVERSITY SERVICES: SPACE, UTILITIES, HOUSEKEEPING, FURNISHINGS AND REPAIRS 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 the expectation of the University that services will be available and uninterrupted and that any disruption of services vital to the health and safety of residents will be restored within a reasonable time.

The University will furnish a space in a residence hall and will grant the resident use of the facilities of the hall in accordance with terms and conditions specified within this Agreement.

The University will provide heat, water, electricity and waste disposal services. The University is responsible for cleaning only the designated common areas on a scheduled basis. The University will provide to each resident one bed, one mattress and cover, one dresser, and one desk and chair set. The University will provide each bed/study room with a mirror, window shade, window screen, and smoke detector.

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 scheduling. Repairs and maintenance activities shall be conducted under a system of priority scheduling.

CARE OF FACILITIES The resident accepts responsibility for self and guest(s), for care of the residence hall facility, assigned space, common areas, and University property, and for promptly reporting any interruptions of service or needed repair.

The resident will take reasonable action to protect and prevent the building and property from wanton, reckless or negligent damage, will refrain from encouraging or participating in activities which cause damage, will report property or facilities damage, and will take reasonable action to assist the University in identifying individuals responsible for damage.

The resident, at the time of checkout, 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.

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 key(s).

CONDUCT The resident shall behave in a manner which facilitates a quiet, safe and secure residence hall environment conducive to the pursuit of academic goals. The roommate will ensure that the roommate will have access to and equitable use of the assigned space. The resident will abide by the rules, regulations, policies and procedures established by Resident Life and the University.

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, (i) threats to and/or interference with University staff in the performance of their duties.

Violation of rules and regulations as well as violations of probationary status 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 the 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.

The resident shall be responsible for familiarity with all rules and regulations, the behaviors which can result in the termination of the Agreement, and the adjudication procedures. Information may be found in the *Code of Student Conduct*.

USE OF ASSIGNED SPACE The resident agrees (a) to live only in the space officially assigned, (b) not to sublet or otherwise use or grant use of the assigned space, residence hall common areas, or grounds for any unauthorized purpose, and (c) not to sell, solicit or conduct a business enterprise therein without the written permission of the Department of Resident Life.

If a vacancy occurs in the assigned room, the remaining resident(s) agree to follow established procedures for the reassignment of another student to that space.

When vacating an assigned space, regardless of reason, the resident agrees to complete established checkout procedures.

ARTH cont.

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 598	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

ARTS

ART STUDIO (ARTS AND HUMANITIES)

ARTS 100	Elements of Design 3 credits, Grading Method REG P-F AUD		
0101	MTuWThF 8:00am-10:00am	Bldg AS, Room 2314	Craig, P
0201	MTuWThF 9:00am-11:00am	Bldg AS, Room 2314	Meizlik, J
			Principles and elements of design through manipulation and organization of materials in two and three dimensions
ARTS 110	Elements of Drawing 3 credits, Grading Method REG P-F AUD		
0101	MTuWThF 10:30am-1:00pm	Bldg AS, Room 2317 (LAB)	Niese, H
0201	MTuWThF 11:00am-1:30pm	Bldg AS, Room 2317 (LAB)	Putman, S
			An introductory course with a variety of media and related techniques. Problems based on still life, figure and nature
ARTS 200	Intermediate Design 3 credits, Grading Method REG P-F AUD		
0101	MTuWThF 8:00am-10:00am	Bldg AS, Room 2314	Craig, P
0201	MTuWThF 9:00am-11:00am	Bldg AS, Room 2314	Meizlik, J
			Prerequisites: ARTS 100, 110 A continuation of Design I with more individually structured problems in terms of form, composition and meaning
ARTS 210	Intermediate Drawing 3 credits, Grading Method REG P-F AUD		
0101	MTuWThF 10:30am-1:00pm	Bldg AS, Room 2317 (LAB)	Niese, H
0201	MTuWThF 11:00am-1:30pm	Bldg AS, Room 2317 (LAB)	Putman, S
			Prerequisites: ARTS 100 AND 110 Emphasis on understanding organic form, as related to study from the human figure and to pictorial composition
ARTS 320	Elements of Painting 3 credits, Grading Method REG		
0101	MTuWThF 1:00pm-3:30pm	Bldg AS, Room 3316 (LAB)	Klank, R
0201	MTuWThF 1:00pm-3:30pm	Bldg AS, Room 3316 (LAB)	Yamaguchi, Y
			Prerequisite: ARTS 210 Basic tools and language of painting. Oil and/or water-based paints
ARTS 386	Field Work 1-3 credits, Grading Method REG P-F AUD		
			Independent study course. Contact department to make arrangements
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ARTS 387	Field Work Analysis 1-3 credits, Grading Method REG P-F AUD		
			Contact department to make arrangements
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ARTS 418	Drawing 3 credits, Grading Method REG P-F AUD		
0101	MTuWThF 10:30am-1:00pm	Bldg AS, Room 2317 (LAB)	Niese, H
0201	MTuWThF 11:00am-1:30pm	Bldg AS, Room 2317 (LAB)	Putman, S
ARTS 428	Painting 3 credits, Grading Method REG P-F AUD		
0101	MTuWThF 1:00pm-3:30pm	Bldg AS, Room 3316 (LAB)	Klank, R
0201	MTuWThF 1:00pm-3:30pm	Bldg AS, Room 3316 (LAB)	Yamaguchi, Y
ARTS 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
ARTS 598	Directed Graduate Studies in Studio Art 3 credits, Grading Method REG AUD		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ARTS 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
ARTS 799	Master's Thesis Research 1-6 credits, Grading Method REG		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

ASTR

ASTROLOGY (MATH AND PHYS SCI AND ENG)

ASTR 100	Introduction to Astronomy 3 credits, Grading Method REG P-F AUD		
			Meets requirement. Course meets University Studies Program Distributive Studies non-lab science and mathematics requirement. Prerequisite: PHYS 110 or 111 are taken at the same or a later time, the combination may be counted as lab science requirement
0101	MTuWThF 9:30am-10:50am	Bldg CSS, Room 1113	Staff
0201	MTuWThF 9:30am-10:50am	Bldg CSS, Room 1113	Mathews, T
			An elementary course in descriptive astronomy, especially appropriate for non-science students. Sun, moon, planets, stars and nebulae, galaxies, evolution. Credit for ASTR 100 cannot be obtained after, or simultaneously with, receiving credit for any astronomy course numbered 150 or higher
ASTR 110	Astronomy Laboratory 1 credit, Grading Method REG P-F AUD		
			Meets requirement
0101	TuTh 1:00pm-3:00pm	Bldg CSS, Room 1109 (LAB)	Staff
0201	TuTh 1:00pm-3:00pm	Bldg CSS, Room 1109 (LAB)	Staff
			Prerequisite: previous or concurrent enrollment in ASTR 100 Exercises include use of photographs of recent stars, nebulae and galaxies and spectrophotometric 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 300	Stars and Stellar Systems 3 credits, Grading Method REG P-F AUD		
			Meets USP Advanced Studies Development of Knowledge requirement Prerequisite: ASTR 100
0101	MTuWThF 12:30pm-1:50pm	Bldg CSS, Room 1113	Staff
			Prerequisite: ASTR 100 and completion of University Studies requirement in the natural sciences or consent of instructor. Designed primarily for non-physical science majors. Study of star-types, properties, evolution and distribution in space, supernovae, pulsars, and black holes.

ASTR cont.

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
0201	MTuWThF 12:30pm-1:50pm	Bldg CSS, Room 1113	Mathews, T
			Prerequisite: ASTR 100 and completion of University Studies requirement in the natural science or consent of instructor. 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 599	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 (AGRI AND LIFE SCI)

BCHM 261	Elements of Biochemistry 3 credits, Grading Method REG P-F AUD		
0101	MTuWThF 9:30am-10:50am	Bldg C, Room 1402	Staff
			Prerequisite: CHEM 104 or 233 or 235 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. Not open to students with credit in BCHM 461
BCHM 461	Biochemistry I 3 credits, Grading Method REG P-F AUD		
0101	MTuWThF 9:30am-10:50am	Bldg C, Room 1407	Staff
			Prerequisites: CHEM 243 or 245, or permission of instructor. 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		
0201	MTuWThF 9:30am-10:50am	Bldg C, Room 1407	Staff
			Prerequisite: BCHM 461. A continuation of BCHM 461
BCHM 599	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

BMGT

BUSINESS AND MANAGEMENT (BEHAV AND SOCIAL SCI)

BMGT 110	Introduction to Business and Management 3 credits, Grading Method REG P-F AUD		
0101	MTuWThF 8:00am-9:20am	Bldg SSB, Room 2166	Smith, R
0201	MTuWThF 9:30am-10:50am	Bldg Q, 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		
0101	MTuWThF 9:30am-10:50am	Bldg Q, Room 0117	Loeb, M
0102	MTuWThF 11:00am-12:20pm	Bldg Q, Room 0117	Loeb, M
0103	MW 7:00pm-10:00pm	Bldg Q, Room 0117	Staff
0201	MTuWThF 9:30am-10:50am	Bldg Q, Room 0117	Staff
0202	TuTh 7:00pm-10:00pm	Bldg Q, Room 0111	Staff
			Prerequisite: Sophomore standing. Study of the basic principles of accounting for business enterprises.
BMGT 221	Principles of Accounting II 3 credits, Grading Method REG		
0101	MTuWThF 8:00am-9:20am	Bldg Q, Room 2106	Staff
0102	MTuWThF 9:30am-10:50am	Bldg Q, Room 2106	Staff
0103	TuTh 7:00pm-10:00pm	Bldg Q, Room 2108	Staff
0201	MTuWThF 2:00pm-3:20pm	Bldg Q, Room 2106	Staff
0202	MW 7:00pm-10:00pm	Bldg Q, Room 2106	Staff
			Prerequisite: BMGT 220. Continuation of BMGT 220
BMGT 230	Business Statistics 3 credits, Grading Method REG		
0101	MTuWThF 11:00am-12:20pm	Bldg Q, Room 0102	Widhelm, W
0102	MTuWThF 12:30pm-1:50pm	Bldg Q, Room 0111	Widhelm, W
0103	MW 7:00pm-10:00pm	Bldg Q, Room 0102	Miller, P
0201	MTuWThF 8:00am-9:20am	Bldg Q, Room 1128	Fromowitz, S
0202	MTuWThF 9:30am-10:50am	Bldg Q, Room 1114	Fromowitz, S
			Prerequisite: MATH 230 or consent of instructor. Introductory course in probability 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, analysis of variance, categorical data analysis, and the application of these concepts to problem solving in business and management. This course may not be taken for credit by management science and statistics majors. Only one of the following courses may be taken for credit: BMGT 230, 231, SOCY 201, PSYC 200, GEOG 305, ECON 421, or EDMS 451
BMGT 301	Introduction to Data Processing 3 credits, Grading Method REG		
0101	MTuWThF 11:00am-12:20pm	Bldg Q, Room 0111	Staff
0102	MTuWThF 12:30pm-1:50pm	Bldg Q, Room 0111	Staff
0103	TuTh 4:00pm-7:00pm	Bldg Q, Room 0102	Staff
0104	TuTh 7:00pm-10:00pm	Bldg Q, Room 0102	Staff
0201	MTuWThF 8:00am-9:20am	Bldg Q, Room 0111	Staff
0202	MTuWThF 11:00am-12:20pm	Bldg Q, Room 0111	Staff
0203	MW 7:00pm-10:00pm	Bldg Q, Room 0111	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 (RPL) language. Several programming projects assigned.
BMGT 302	Information Systems Implementation Techniques 3 credits, Grading Method REG		
0101	MTuWThF 9:30am-10:50am	Bldg AS, Room 3221	Staff
0102	MW 7:00pm-10:00pm	Bldg Q, Room 0111	Spear, R
			Prerequisite: BMGT 301. 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, engineering and software documentation. Several programming projects assigned.

BMGT cont.

BMGT 310 Intermediate Accounting I 3 credits; Grading Method: REG	Blg. Q, Room 1101	Huss, H.
0101 MTuWThF 9:30am-10:50am	Blg. Q, Room 1101	Staff
0102 MTuWThF 10:00am-12:00pm	Blg. Q, Room 2108	Staff
0103 MW 7:00pm-10:00pm	Blg. Q, Room 0111	Aharony, J.
0201 MTuWThF 3:30pm-4:50pm		
Prerequisite: BMGT 221. Comprehensive analysis of financial accounting topics related to financial statement preparation and external reporting.		
BMGT 311 Intermediate Accounting II 3 credits; Grading Method: REG	Blg. Q, Room 1101	Stark, A.
0101 MTuWThF 2:00pm-3:20pm	Blg. Q, Room 2108	Stark, A.
0102 MW 7:00pm-10:00pm	Blg. Q, Room 0111	Aharony, J.
0201 MTuWThF 2:00pm-3:20pm		
Prerequisite: BMGT 310 Continuation of BMGT 310		
BMGT 321 Cost Accounting 3 credits; Grading Method: REG	Blg. Q, Room 1124	Bedingfield, J.
0101 MTuWThF 9:30am-10:50am	Blg. 2P, Room 1124	Bedingfield, J.
0102 MTuWThF 11:00am-12:20pm		
Prerequisite: BMGT 221. A study of the basic concepts of product costing and cost analysis for management planning and control. Emphasis is placed on the role of the accountant in organizational management, analysis of cost behavior, standard cost, budgeting, responsibility accounting and relevant costs for decision making.		
BMGT 323 Income Tax Accounting 3 credits; Grading Method: REG	Blg. Q, Room 1108	Staff
0101 MTuWThF 12:30pm-1:50pm	Blg. Q, Room 1108	Pantalone Jr., V.
0201 MTuWThF 9:30am-10:50am		
Prerequisite: BMGT 221. Introduction to federal income taxation of individuals. Examination of tax laws by use of illustrative examples and problems.		
BMGT 326 Accounting Systems 3 credits; Grading Method: REG	Blg. SSB, Room 1222	Zeha, E.
0101 MTuWThF 9:30am-10:50am	Blg. SSB, Room 1222	Zeha, E.
0102 MTuWThF 11:00am-12:20pm		
Prerequisites: BMGT 221, BMGT 301, and BMGT 321. 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 system. Not open for credit to students with credit in BMGT 424.		
BMGT 332 Operations Research For Management Decisions 3 credits; Grading Method: REG	Blg. Q, Room 2108	Bohn, L.
0101 MTuWThF 8:00am-9:20am	Blg. Q, Room 0111	Milder, P.
0201 MTuWThF 9:30am-10:50am		
Prerequisite: MATH 230. BMGT 230. The philosophy, techniques, and applications of operations research to managerial decision making. The course is designed primarily for students not majoring in management science or statistics. Techniques covered include linear programming, transportation and assignment models, Markov processes, inventory and queuing 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	Blg. Q, Room 0111	Staff
0101 MTuWThF 9:30am-10:50am	Blg. Q, Room 1140	Eun, C.
0102 MTuWThF 11:00am-12:20pm	Blg. Q, Room 0101	Goldenberg, D.
0201 MW 7:00pm-10:00pm	Blg. Q, Room 1114	Staff
0202 TuTh 7:00pm-10:00pm	Blg. Q, Room 1114	Staff
0203 MTuWThF 9:30am-10:50am	Blg. Q, Room 2106	Staff
Prerequisites: BMGT 221 and 230. The principles and practices involved in the organization, financing, and rehabilitation of business enterprises; the various types of securities and their use in raising funds; appraising income, risk, and control, intercorporate relations; and new developments. Emphasis on solution of problems of financial policy faced by management.		
BMGT 343 Investment 3 credits; Grading Method: REG	Blg. Q, Room 2100	Chen, S.
0101 MTuWThF 11:00am-12:20pm	Blg. Q, Room 0101	Soubra, B.
0102 TuTh 7:00pm-10:00pm		
Prerequisite: BMGT 340. An introduction to financial investments. Topics include securities and securities markets; investment risks, returns, and constraints; portfolio policies; and institutional investment policies.		
BMGT 350 Marketing Principles and Organization 3 credits; Grading Method: REG	Blg. Q, Room 1132	Staff
0101 MTuWThF 9:30am-10:50am	Blg. Q, Room 1101	Staff
0102 MTuWThF 11:00am-12:20pm	Blg. Q, Room 1118	Greer, T.
0103 MW 6:30pm-9:30pm	Blg. Q, Room 2108	Staff
0201 MTuWThF 9:30am-10:50am	Blg. Q, Room 1128	Staff
0202 TuTh 6:30pm-9:30pm		
Prerequisite: ECON 203 or 205. This is an introductory course in the field of marketing. Its purpose is to give a general understanding and appreciation of the forces operating in institutions offering, and methods followed in marketing agricultural products, natural products, services and manufactured goods. (Not open for credit to students with credit for BMGT 452.)		
BMGT 354 Promotion Management 3 credits; Grading Method: REG	Blg. H, Room 1304	Staff
0101 MTuWThF 11:00am-12:20pm	Blg. D, Room 1310	Staff
0102 MTuWThF 12:30pm-1:50pm	Blg. D, Room 1140	Sarraf, R.
0201 TuTh 12:30pm-1:50pm		
Prerequisite: BMGT 350. 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. (Not open for credit to students with credit for BMGT 452.)		
BMGT 360 Personnel Management 3 credits; Grading Method: REG	Blg. OO, Room 2119	Giamantonio, C.
0101 MTuWThF 9:30am-10:50am	Blg. Q, Room 0117	Olan, J.
0102 TuTh 3:00pm-6:00pm	Blg. Q, Room 0101	Taylor, M.
0201 TuTh 3:00pm-6:00pm		
The basic concepts of personnel management includes manpower planning, recruitment, selection, development, compensation, and appraisal of employees. Explores the impact of scientific management and unionism on these functions.		
BMGT 362 Labor Relations 3 credits; Grading Method: REG	Blg. AS, Room 3219	Levine, M.
0101 MTuWThF 11:00am-12:20pm		
A study of the development and methods of organized groups in industry with reference to the settlement of labor disputes. An economic and legal analysis of labor union and employer association activities, arbitration, mediation, and conciliation; collective bargaining, trade agreements, strikes, boycotts, lockouts, company unions, and mergers.		
BMGT 364 Management and Organization Theory 3 credits; Grading Method: REG	Blg. AS, Room 3219	Levine, M.
0101 MTuWThF 9:30am-10:50am	Blg. ARC, Room 1105	Carroll, J. S.
0102 MTuWThF 11:00am-12:20pm	Blg. ARC, Room 1105	Carroll, J. S.
0103 MW 7:00pm-10:00pm	Blg. SSB, Room 1201	Kovach, K.
0201 MTuWThF 9:30am-10:50am	Blg. SSB, Room 1201	Kovach, K.
0202 MTuWThF 11:00am-12:20pm	Blg. Q, Room 0101	Fares, D.
0203 TuTh 7:00pm-10:00pm		
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, and the communication process, goals and responsibilities.		
BMGT 370 Principles of Transportation 3 credits; Grading Method: REG	Blg. Q, Room 0101	King, J.
0201 MTuWThF 11:00am-12:20pm		
Prerequisite: ECON 203 or 205. A general course covering the five fields of transportation, their development, service, and regulation.		
BMGT 372 Traffic and Wharves Distribution Management 3 credits; Grading Method: REG	Blg. Q, Room 2110	Smith, R.
0101 MTuWThF 9:30am-10:50am		
Prerequisite: Junior standing. Examines the management aspects of the business firm in moving their raw materials and finished goods through traffic, warehousing, industrial packaging, 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. (Not open to students with credit for BMGT 371.)		
BMGT 380 Business Law I 3 credits; Grading Method: REG	Blg. Q, Room 1118	Dawson, T.
0101 MTuWThF 9:30am-10:50am	Blg. SSB, Room 1201	Dawson, T.
0102 MTuWThF 11:00am-12:20pm	Blg. Q, Room 0117	Leele, B.
0103 TuTh 7:00pm-10:00pm	Blg. Q, Room 2108	Staff
0201 MTuWThF 8:00am-9:20am		
Legal aspects of business relationships. Examination of torts and business crimes, contracts and		

BMGT cont.

BMGT 381 Business Law II 3 credits; Grading Method: REG	Blg. Q, Room 1108	Leele, B.
0101 MTuWThF 8:00am-9:20am		
Prerequisite: BMGT 380 or permission of instructor. 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, land use and tenant relationships and landlord's estates.		
BMGT 386 Field Work 1-3 credits; Grading Method: REG	Room Arranged	Staff
0101 Time Arranged	Room Arranged	Staff
0201 Time Arranged	Room Arranged	Staff
Permission of department required.		
BMGT 387 Field Work Analysis 1-3 credits; Grading Method: REG	Room Arranged	Staff
0101 Time Arranged	Room Arranged	Staff
0201 Time Arranged	Room Arranged	Staff
Permission of department required.		
BMGT 398 Individual Study in Business and Management 1-3 credits; Grading Method: REG	Room Arranged	Staff
0101 Time Arranged	Room Arranged	Staff
0201 Time Arranged	Room Arranged	Staff
Permission of department required.		
BMGT 417 Advanced Tax Accounting 3 credits; Grading Method: REG	Blg. Q, Room 1108	Pantalone Jr., V.
0101 MTuWThF 12:30pm-1:50pm	Blg. Q, Room 1108	Pantalone Jr., V.
0201 MTuWThF 9:30am-10:50am	Blg. Q, Room 1101	Pantalone Jr., V.
Prerequisites: BMGT 311 and 323. Federal taxation of corporations, partnerships, fiduciaries, and gratuitous transfers. Tools and techniques of tax research for compliance and planning.		
BMGT 422 Auditing Theory and Practice 3 credits; Grading Method: REG	Blg. Q, Room 0103	Staff
0101 MTuWThF 9:30am-10:50am	Blg. Q, Room 1132	Staff
0102 MTuWThF 11:00am-12:20pm		
Prerequisite: BMGT 321. 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	Blg. Q, Room 1108	Borra, J.
0201 MTuWThF 9:30am-10:50am		
Prerequisite: BMGT 311. Advanced accounting theory applied to specialized topics and current problems. Emphasis on consolidated statements and partnership accounting.		
BMGT 440 Financial Management 3 credits; Grading Method: REG	Blg. Q, Room 1108	Christof, A.
0101 MW 7:00pm-10:00pm	Blg. Q, Room 1108	Christof, A.
0102 TuTh 7:00pm-10:00pm	Blg. Q, Room 1118	Odele, C.
0201 MW 7:00pm-10:00pm		
Prerequisite: BMGT 340. Analysis and discussion of cases and readings related 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/AUD	Blg. Q, Room 1108	Staff
0201 TuTh 7:00pm-10:00pm		
Prerequisites: BMGT 340 and ECON 430. Analysis and discussion of cases and readings in commercial bank management. The loan function is emphasized, also the management of liquidity reserves, investments for income, and source of funds. Bank objectives, functions, policies, organization, structure, services, and regulation are considered.		
BMGT 450 Marketing Research Methods 3 credits; Grading Method: REG	Blg. Q, Room 2100	Krapfel Jr., R.
0101 MTuWThF 8:00am-9:20am	Blg. Q, Room 1108	Krapfel Jr., R.
0201 TuTh 7:00pm-10:00pm		
Prerequisite: BMGT 350 AND 350. Recommended that PSYC 100 and 221 be taken prior to this course. This course is intended to develop skill 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 451 Consumer Analysis 3 credits; Grading Method: REG	Blg. Q, Room 0103	Krapfel Jr., R.
0101 MTuWThF 9:30am-10:50am	Blg. Q, Room 1118	Smith, R.
0201 MTuWThF 11:00am-12:20pm		
Prerequisite: BMGT 350. Recommended that PSYC 100 and 221 be taken prior to this course. Considers the growing importance of the American consumer in the marketing system and the need to understand him. Topics include the foundation considerations underlying consumer behavior such as economic, social, psychological and cultural factors. Analysis of the consumer in marketing situations as a buyer and user of products and services-and in relation to the various individual social and marketing factors affecting his behavior. The influence of marketing communications is also considered.		
BMGT 456 Advertising 3 credits; Grading Method: REG	Blg. Q, Room 0102	Hynes, C.
0101 MTuWThF 9:30am-10:50am	Blg. Q, Room 1108	Staff
0201 MTuWThF 8:00am-9:20am		
Prerequisite: BMGT 350. The role of advertising in the American economy: the impact of advertising on our economic and social life, the methods and techniques currently applied by advertising practitioners; the role of the newspaper, magazine, and other media in the development of an advertising campaign; modern research methods to improve the effectiveness of advertising and the organization of the advertising business. (Not open for credit to students with credit for BMGT 352.)		
BMGT 457 Marketing Policies and Strategies 3 credits; Grading Method: REG	Blg. Q, Room 1108	Hynes, C.
0101 MTuWThF 11:00am-12:20pm	Blg. Q, Room 1118	Staff
0201 MTuWThF 9:30am-10:50am		
Prerequisite: three courses in marketing. Integrative decision making in marketing. Emphasis on consumer and market analysis and the appropriate decision models. Case studies are included.		
BMGT 481 Public Utilities 3 credits; Grading Method: REG	Blg. Q, Room 1108	Garbuny, S.
0201 MTuWThF 12:30pm-1:50pm	Blg. Q, Room 1108	Garbuny, S.
Prerequisite: ECON 203 or 205. Using regulated industries as specific examples, attention is focused on broad and general problems in such diverse fields as constitutional law, administrative law, public administration, government control of business, advanced economic theory, accounting, valuation and depreciation, taxation, finance, engineering, and management.		
BMGT 482 Business and Government 3 credits; Grading Method: REG	Blg. Q, Room 1108	McLaughlin, F.
0201 MTuWThF 9:30am-10:50am		
Prerequisite: ECON 203 or 205. A study of the role of government in modern economic life. Social control of business as a remedy for the abuses of business enterprise arising from the decline of competition. Criteria of standards on government regulation of private enterprise.		
BMGT 495 Business Policies 3 credits; Grading Method: REG	Blg. Q, Room 1132	Haslem, J.
0101 MTuWThF 9:30am-10:50am	Blg. Q, Room 2106	Haslem, J.
0102 MTuWThF 11:00am-12:20pm	Blg. Q, Room 1128	Smith, K.
0103 MW 4:00pm-7:00pm	Blg. Q, Room 0111	Gannon, M.
0104 MW 7:00pm-10:00pm	Blg. Q, Room 1108	Gimm, C.
0105 TuTh 4:00pm-7:00pm	Blg. Q, Room 0111	Gannon, M.
0106 TuTh 7:00pm-10:00pm	Blg. Q, Room 1108	Gimm, C.
0107 TuTh 4:00pm-7:00pm	Blg. Q, Room 1118	Gimm, C.
0202 TuTh 7:00pm-10:00pm		
Prerequisites: BMGT 340, 350, 364, and senior standing. A case study course in which the aim is to have the student apply what they have learned of general management principles and their specialized functional applications to the overall management of an enterprise.		
BMGT 501 Business Functions 4 credits; Grading Method: REG/AUD	Blg. Q, Room 1128	Spekman, R.
0101 TuTh 6:00pm-10:00pm		
Intensive review of marketing and finance functions in the business enterprise. Credit not applicable to graduate degree.		
BMGT 505 Organizational Behavior and Strategic Management 3 credits; Grading Method: REG/AUD	Blg. Q, Room 2108	Power, D.
0201 TuTh 7:00pm-10:00pm		
Intensive review of organizational behavior theory, and administrative processes and policy in the business enterprise. Credit not applicable to graduate degree.		

BMGT cont.

BMGT 630	Managerial Statistics 3 credits. Grading Method REG AUD Permission of department required		
0101	Tu 7:00pm-10:00pm	Bldg Q, Room 1101	Trader, R
0201	MW 7:00pm-10:00pm	Bldg Q, Room 1128	Staff
0202	Tu 7:00pm-10:00pm	Bldg Q, Room 1140	Staff
	Application of statistical concepts to solution of business problems, laboratory use of computer packages.		
BMGT 660	Management and Organizational Behavior 3 credits. Grading Method REG AUD Permission of department required		
0101	MW 7:00pm-10:00pm	Bldg Q, Room 2100	Bartol, K
0201	Tu 7:00pm-10:00pm	Bldg Q, Room 2100	Bartol, K
0201	TuTh 7:00pm-10:00pm	Bldg SSS, Room 2166	Taylor, M
	The influence of the behavioral sciences on the theory and practice of management. Motivation, leadership, and international styles of management.		
BMGT 671	Managerial Economics 3 credits. Grading Method REG AUD Permission of department required		
0101	TuTh 7:00pm-10:00pm	Bldg RR, Room 1117	Barbera, A
0201	MW 7:00pm-10:00pm	Bldg Q, Room 1108	Staff
	The application of economic theory to the business enterprise in respect to the determination of policy and the handling of management problems with particular reference to the firm producing a complex line of products, nature of competition, pricing policy, interrelationship of production and marketing programs, basic types of cost control systems, theories of depreciation and investment and the impact of each upon costs.		
BMGT 690	Strategic Management 3 credits. Grading Method REG AUD Permission of department required		
0101	MW 7:00pm-10:00pm	Bldg Q, Room 1102	McGinnis, M
0201	MW 7:00pm-10:00pm	Bldg Q, Room 0101	Power, D
	Prerequisites: All other MBA core courses. Case studies and research in the identification of management problems, the evaluation of alternative solutions, and the recommendation for management implementation.		
BMGT 710	Advanced Accounting Theory 3 credits. Grading Method REG AUD Permission of department required		
0101	Tu 7:00pm-10:00pm	Bldg Q, Room 1136	Sutton, T
	Prerequisite: BMGT 610. Contemporary issues in financial accounting. The nature of income, the relationship between asset valuation and income determination, and various approaches to accounting for inflation. The accounting standards setting process. The measurement and valuation of assets (i.e., foreign investments) and liabilities (i.e., leases and derivatives).		
BMGT 741	Advanced Financial Management 3 credits. Grading Method REG AUD Permission of department required		
0101	MW 7:00pm-10:00pm	Bldg Q, Room 2110	Chen, S
	Prerequisite: BMGT 640. Concepts underlying financial decision making in the firm. Case studies, model building and applications in financial theory and management.		
BMGT 791	MBA Field Project 3 credits. Grading Method REG AUD Permission of department required. Total Enterprise Strategy. Management Practicum		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
	Permission of director of MBA program. Experiential research project in the identification of management problems, the evaluation of alternative solutions, and the recommendation for management.		
BMGT 798A	Special Topics in Business and Management 3 credits. Grading Method REG AUD Permission of department required		
0101	TuTh 7:00pm-10:00pm	Bldg Q, Room 2110	Staff
BMGT 798B	Special Topics in Business and Management: Current Topics in OR 3 credits. Grading Method REG AUD Permission of department required		
0101	MW 7:00pm-10:00pm	Bldg Q, Room 2111	Gass, S
BMGT 798C	Special Topics in Business and Management 3 credits. Grading Method REG AUD Permission of department required		
0101	TuTh 7:00pm-10:00pm	Bldg Q, Room 2111	Holcomb, J
BMGT 798G	Special Topics in Business and Management: Industrial Marketing 3 credits. Grading Method REG AUD Permission of department required		
0101	MW 7:00pm-10:00pm	Bldg Q, Room 2140	Spekman, R
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 1-9 credits. Grading Method REG AUD Permission of department required. Contact Graduate Program Director to make arrangements		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
BMGT 860	Seminar in Human Resource Planning and Selection 3 credits. Grading Method REG AUD Permission of department required		
0101	Tu 7:00pm-10:00pm	Bldg Q, Room 1118	Olan, J
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 cont.

BOTN 403	Medicinal and Poisonous Plants 2 credits. Grading Method REG P-F AUD Students may register for BOTN 699C for additional credit		
0101	MW 4:15pm-7:00pm	Bldg E, Room 1229	Lockard, J
	Prerequisites: BOTN III and CHEM 104. A study of plants important to man that have medicinal or poisonous properties. Emphasis on plant systematics, plant description, the active agent and its beneficial and detrimental physiological action and effects.		
BOTN 699C	Special Problems in Botany. Physiology 1-3 credits. Grading Method: REG	Room Arranged	Lockard, J
0101	Time Arranged	Room Arranged	Staff
BOTN 799	Master's Thesis Research 1-6 credits. Grading Method REG	Room Arranged	Staff
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
BOTN 899	Doctoral Dissertation Research 1-8 credits. Grading Method REG	Room Arranged	Staff
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

CHEM (AGRI AND LIFE SCI)

CHEM 103	General Chemistry I 4 credits. Grading Method: REG P-F AUD Meets USP Distributive Studies (B)Natural Sciences and Mathematics requirement.		
0131	MTuWThF 11:00am-12:20pm	Bldg Z, Room 1412	Staff
	MWF 8:00am-10:50am	Bldg C, Room 1105 (LAB)	
	TuTh 9:30am-10:50am	Bldg Z, Room 1412 (DIS)	
0132	MTuWThF 11:00am-12:20pm	Bldg Z, Room 1412	Staff
	MWF 8:00am-10:50am	Bldg C, Room 1106 (LAB)	
	TuTh 9:30am-10:50am	Bldg C, Room 0122 (DIS)	
0133	MTuWThF 11:00am-12:20pm	Bldg C, Room 1109 (LAB)	Staff
	MWF 8:00am-10:50am	Bldg C, Room 2201 (DIS)	
	TuTh 9:30am-10:50am	Bldg Z, Room 1412	
0134	MTuWThF 11:00am-12:20pm	Bldg C, Room 1119 (LAB)	Staff
	MWF 8:00am-10:50am	Bldg C, Room 0127 (DIS)	
	TuTh 9:30am-10:50am	Bldg C, Room 1402	
0231	MTuWThF 11:00am-12:20pm	Bldg C, Room 1109 (LAB)	Staff
	MWF 8:00am-10:50am	Bldg C, Room 3114 (DIS)	
	TuTh 9:30am-10:50am	Bldg C, Room 1402	
0232	MTuWThF 11:00am-12:20pm	Bldg C, Room 1105 (LAB)	Staff
	MWF 8:00am-10:50am	Bldg J, Room 2102 (DIS)	
	TuTh 9:30am-10:50am	Bldg J, Room 1105 (DIS)	
	Prerequisite: A satisfactory math sat score or an adequate knowledge of high school chemistry or satisfactory performance in CHEM 101. 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. Credit may be received for only one course of the following: CHEM 102, 103, 105, 107, 111.		
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.		
0261	MTuWThF 11:00am-12:15pm	Bldg U, Room 2110	Staff
	MWF 8:00am-11:00am	Bldg W, Room 1208 (LAB)	
	TuTh 9:30am-11:00am	Bldg WW, Room 1105 (DIS)	
	Prerequisite: CHEM 103 or CHEM 105. Intended for students whose curricula require one year of chemistry. Students requiring two or more years of chemistry should register for CHEM 233 OR 235. Students may not receive credit for both CHEM 104 and CHEM 235. The chemistry of carbon aliphatic compounds, aromatic compounds, stereochemistry, halides, amines, and amides, acids, esters, carbohydrates, and natural products.		
CHEM 113	General Chemistry II 4 credits. Grading Method: REG P-F AUD Meets USP Distributive Studies (B)Natural Sciences and Mathematics requirement		
0141	MTuWThF 11:00am-12:20pm	Bldg C, Room 1402	Staff
	MWF 8:00am-10:50am	Bldg C, Room 1122 (LAB)	
	TuTh 9:30am-10:50am	Bldg J, Room 3110 (DIS)	
0142	MTuWThF 11:00am-12:20pm	Bldg C, Room 1402	Staff
	MWF 8:00am-10:50am	Bldg C, Room 1112 (LAB)	
	TuTh 9:30am-10:50am	Bldg J, Room 3114 (DIS)	
0144	MTuWThF 11:00am-12:20pm	Bldg C, Room 1402	Staff
	MWF 8:00am-10:50am	Bldg C, Room 1128 (LAB)	
	TuTh 9:30am-10:50am	Bldg J, Room 1124 (DIS)	
0241	MTuWThF 11:00am-12:20pm	Bldg Z, Room 1412	Staff
	MWF 8:00am-10:50am	Bldg C, Room 0128 (DIS)	
	TuTh 9:30am-10:50am	Bldg C, Room 0127 (LAB)	
0242	MTuWThF 11:00am-12:20pm	Bldg Z, Room 1412	Staff
	MWF 8:00am-10:50am	Bldg C, Room 1112 (LAB)	
	TuTh 9:30am-10:50am	Bldg WW, Room 1109 (DIS)	
0244	MTuWThF 11:00am-12:20pm	Bldg C, Room 1407	Staff
	MWF 8:00am-10:50am	Bldg C, Room 1128 (LAB)	
	TuTh 9:30am-10:50am	Bldg J, Room 1106 (DIS)	
	Prerequisite: CHEM 103 OR 105. Kinetics, homogeneous, heterogeneous, and ionic equilibria, oxidation-reduction, electrochemistry, chemistry of the elements. Credit may be received for only one of CHEM 113 OR 115.		
CHEM 233	Organic Chemistry I 4 credits. Grading Method: REG P-F AUD		
0171	MTuWThF 11:00am-12:20pm	Bldg C, Room 1407	Staff
	MWF 8:00am-10:50am	Bldg C, Room 1216 (LAB)	
	TuTh 9:30am-10:50am	Bldg C, Room 0124 (DIS)	
0172	MTuWThF 11:00am-12:20pm	Bldg C, Room 1407	Staff
	MWF 8:00am-10:50am	Bldg C, Room 1221 (LAB)	
	TuTh 9:30am-10:50am	Bldg WW, Room 2121 (DIS)	
0173	MTuWThF 11:00am-12:20pm	Bldg C, Room 1407	Staff
	MWF 8:00am-10:50am	Bldg C, Room 1224 (LAB)	
	TuTh 9:30am-10:50am	Bldg C, Room 0115 (DIS)	
0174	MTuWThF 11:00am-12:20pm	Bldg C, Room 1407	Staff
	MWF 8:00am-10:50am	Bldg C, Room 1227 (LAB)	
	TuTh 9:30am-10:50am	Bldg J, Room 1126 (DIS)	
	Prerequisite: CHEM 113 or 115. This course is the first of a two-semester sequence in organic chemistry and is intended to be followed by CHEM 235. The chemistry of carbon aliphatic compounds, aromatic compounds, stereochemistry, amines, halides, alcohols, esters, and spectroscopy. Credit may be received for only one course of CHEM 104, 233, 235.		
CHEM 243	Organic Chemistry II 4 credits. Grading Method: REG P-F AUD		
0281	MTuWThF 11:00am-12:20pm	Bldg C, Room 1224 (LAB)	Staff
	MWF 8:00am-10:50am	Bldg C, Room 1224 (LAB)	
	TuTh 9:30am-10:50am	Bldg J, Room 1126 (DIS)	
0282	MTuWThF 11:00am-12:20pm	Bldg C, Room 1407	Staff
	MWF 8:00am-10:50am	Bldg C, Room 1221 (LAB)	
	TuTh 9:30am-10:50am	Bldg Y, Room 0403 (DIS)	
0283	MTuWThF 11:00am-12:20pm	Bldg C, Room 1407	Staff
	MWF 8:00am-10:50am	Bldg C, Room 1227 (LAB)	
	TuTh 9:30am-10:50am	Bldg Y, Room 1311 (DIS)	
0284	MTuWThF 11:00am-12:20pm	Bldg C, Room 1407	Staff
	MWF 8:00am-10:50am	Bldg C, Room 1216 (LAB)	
	TuTh 9:30am-10:50am	Bldg Y, Room 0401 (DIS)	
	Prerequisite: CHEM 243 or 235. A continuation of CHEM 243 with emphasis on molecular structure, substitution reactions, carbonium ions, aromaticity, synthetic processes, macro-molecules.		

BOTAN (AGRI AND LIFE SCI)

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.		
0101	MTuWThF 9:00am-9:50am	Bldg E, Room 1229	Van Valkenburg S
	MTuWThF 10:00am-12:00pm	Bldg E, Room 2103 (LAB)	
0102	MTuWThF 9:00am-9:50am	Bldg E, Room 1229	Van Valkenburg S
	MTuWThF 10:00am-12:00pm	Bldg E, Room 2104 (LAB)	
0201	MTuWThF 9:00am-9:50am	Bldg E, Room 1229	Higgins, E
	MTuWThF 10:00am-12:00pm	Bldg E, Room 2103 (LAB)	
0202	MTuWThF 9:00am-9:50am	Bldg E, Room 1229	Higgins, E
	MTuWThF 10:00am-12:00pm	Bldg E, Room 2104 (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 an ecological approach to studying fundamental concepts and processes of plants, and stressing the importance of plant life to human welfare. Credit not allowed for both BOTN 101 AND 101.		
BOTN 399	Research Problems in Botany. Research Problems in Botany 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

CHEM cont.

Credit may be received for only one of CHEM 243 or 245

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. Boyd or Dr. Durso 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		
0101	Meets JUN 2 to JUL 25		
	MtUWTh 9 8:00am-9 15am	Bldg C, Room 1402	Staff
	Prerequisites: CHEM 113 OR 115, CHEM 243 OR 245, MATH 141, PHYS 142 or PHYS 263 (PHYS 263 may be taken concurrently), or consent of instructor. A course primarily for chemists and chemical engineers		
CHEM 482	Physical Chemistry II 3 credits. Grading Method: REG P-F/AUD		
0101	Meets JUN 2 to JUL 25		
	MtUWTh 12:30pm-1 45pm	Bldg C, Room 1402	Staff
	Prerequisite: CHEM 481, or consent of instructor. A course primarily for chemists and chemical engineers		
CHEM 498A	Special Topics in Chemistry: Current Topics in Chemistry 3 credits. Grading Method: REG P-F/AUD		
	Permission of department required.		
0101	Meets JUN 24 to AUG 16	Room Arranged	Staff
	Time Arranged	Room Arranged	Staff
CHEM 498B	Special Topics in Chemistry: Introduction to Basic Chemical Research 3 credits. Grading Method: REG P-F/AUD		
	Permission of department required		
0101	Meets JUN 24 to AUG 16	Room Arranged	Staff
	Time Arranged	Room Arranged (LAB)	Staff
CHEM 498C	Special Topics in Chemistry: Modern Chemistry for Teachers 3 credits. Grading Method: REG P-F/AUD		
	Permission of department required		
0101	Meets JUN 24 to AUG 1	Room Arranged	Staff
	Time Arranged	Room Arranged	Staff
CHEM 498D	Special Topics in Chemistry: Techniques for Chemistry Teachings 3 credits. Grading Method: REG P-F/AUD		
	Permission of department required		
0101	Meets JUN 24 to AUG 1	Room Arranged	Staff
	Time Arranged	Room Arranged	Staff
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**(ARTS AND HUMANITIES)**

CHINESE			
CHIN 101	Intensive Elementary Chinese I 6 credits. Grading Method: REG P-F/AUD		
	Meets USF Distributive Studies (A) Cultural and Historical requirement		
0101	MtUWThF 9 30am-12 10pm	Bldg LL, Room 0204	Staff
	Introduction 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 USF Distributive Studies (A) Cultural and Historical requirement		
0201	MtUWThF 9 30am-10 50am	Bldg LL, Room 1123	Sargent, S
	Prerequisite: CHIN 101 or equivalent. Continued study of grammatical patterns and vocabulary buildup with particular emphasis on conversation. May be taken in conjunction with CHIN 103.		
CHIN 103	Elementary Written Chinese 3 credits. Grading Method: REG P-F/AUD		
	Meets USF Distributive Studies (A) Cultural and Historical requirement		
0201	MtUWThF 11 00am-12 20pm	Bldg LL, Room 1123	Sargent, S
	Prerequisite: CHIN 101 or equivalent. 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**(MATH AND PHYS SCI AND ENG)**

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

CLAS**(ARTS AND HUMANITIES)**

CLASSICS			
CLAS 170	Greek and Roman Mythology 3 credits. Grading Method: REG P-F/AUD		
	Meets USF Distributive Studies (A) Cultural and Historical requirement.		
0101	MtUWThF 11 00am-12 20pm	Bldg LL, Room 2206	Lee, H
0201	MtUWThF 11 00am-12 20pm	Bldg LL, Room 2206	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 374	Greek Tragedy in Translation 3 credits. Grading Method: REG P-F/AUD		
	Meets USF Advanced Studies Analysis of Human Problems requirement		
0101	MtUWThF 9 30am-10 50am	Bldg LL, Room 2206	Shive, D
	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 <i>The Poetics</i> .		

CMLT**(ARTS AND HUMANITIES)**

COMPARATIVE LITERATURE			
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 cont.

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 (MATH AND PHYS SCI AND ENG)**

CMSC 103	Introduction to Computing 3 credits. Grading Method: REG P-F/AUD		
0101	MtUWThF 8 00am-9 20am	Bldg CSS, Room 3326	Williams, J
0201	MtUWThF 8 00am-9 20am	Bldg CSS, Room 1113	Williams, J
	Basic concepts of Fortran, Elements of computer organization, Algorithms in the computational solution of problems. Survey of non-numerical and numeric applications. Programming projects. Credit will be given for only one course, CMSC 103 or CMSC 110.		
CMSC 103S	Introduction to Computing 3 credits. Grading Method: REG P-F/AUD		
	Permission of department required		
0203	MtUWThF 8 00am-9 20am	Bldg CSS, Room 3326	Williams, J
CMSC 110	Introduction to Fortran Programming 4 credits. Grading Method: REG P-F		
	CMSC majors must take CMSC 112 as a first course.		
0101	Meets JUN 2 to JUL 25		
	MtUWThF 9 30am-10 50am	Bldg CSS, Room 2352	McNary, J
	Tu 11 00am-12 20pm	Bldg CSS, Room 2352 (DIS)	
	Pre- or corequisite: MATH 140 or 220. Construction of algorithms and the efficient solution of computational problems. Conducted in FORTRAN. Intended for scientists, engineers, and business majors. Not applicable to the major requirements in computer science. Credit will be given for only one course, CMSC 103 or 110.		
CMSC 112	Computer Science I 4 credits. Grading Method: REG/AUD		
0101	Meets JUN 2 to JUL 25		
	MtUWThF 11 00am-12 20pm	Bldg CSS, Room 2324	Elstner, D
	W 9 30am-10 50am	Bldg CSS, Room 2316 (DIS)	
0102	Meets JUN 2 to JUL 25		
	MtUWThF 11 00am-12 20pm	Bldg CSS, Room 2324	Elstner, D
	W 9 30am-10 50am	Bldg CSS, Room 2302 (DIS)	
	Pre- or corequisite: MATH 140. Design and analysis of programs using structured programming and data abstraction. Formal syntax and semantics, and program verification. Conducted in Pascal. Intended for computer science majors.		
CMSC 113	Computer Science II 4 credits. Grading Method: REG P-F		
	Pre- or corequisite: MATH 141.		
0101	MtUWThF 9 30am-10 50am	Bldg CSS, Room 2324	Reiter, H
	W 11 00am-12 20pm	Bldg CSS, Room 2316 (DIS)	
0102	MtUWThF 9 30am-10 50am	Bldg CSS, Room 2324	Reiter, H
	W 11 00am-12 20pm	Bldg CSS, Room 2352 (DIS)	
	Prerequisite: CMSC 112. Pre- or corequisite: MATH 141. A continuation of CMSC 112. Intended for computer science majors. Credit will be given for only one course, CMSC 113, 130 or 122.		
CMSC 211	Assembly Language Programming 3 credits. Grading Method: REG P-F		
0101	MtUWThF 8 00am-9 20am	Bldg CSS, Room 2324	Redd, W
	M 9 30am-10 50am	Bldg CSS, Room 2366 (DIS)	
0102	MtUWThF 8 00am-9 20am	Bldg CSS, Room 2324	Redd, W
	M 9 30am-10 50am	Bldg CSS, Room 2316 (DIS)	
	Prerequisite: CMSC 120 or CMSC 122. Assembly language programming, assemblers, loaders, linkage editors, and macros.		
CMSC 220	Introduction to File Processing 3 credits. Grading Method: REG P-F		
0101	MtUWThF 9 30am-10 50am	Bldg CSS, Room 2330	Elstner, D
	Prerequisite: CMSC 120 or CMSC 122. Characteristics and use of peripheral memory devices for sequential and direct access file processing. Techniques such as sorting and searching, hash coding, and table look-up.		
CMSC 250	Introduction to Discrete Structures 3 credits. Grading Method: REG P-F		
0101	Meets JUN 2 to JUL 25		
	MtUWThF 11 00am-12 30pm	Bldg CSS, Room 2330	Fontecilla, R
	Prerequisite: CMSC 110 or CMSC 112, MATH 111 or equivalent. Fundamental mathematical concepts and algebraic structures, such as sets, relations, functions, semigroups, monoids, and Boolean algebras. Introduction to the theory of graphs and trees and their realization as computer programs. Emphasis on examples and applications rather than mathematical rigor.		
CMSC 311	Computer Organization 3 credits. Grading Method: REG P-F		
0101	MW 5 00pm-8 00pm	Bldg CSS, Room 2324	Preston, D
	Prerequisite: CMSC 122. Introduction to assembly language. Design of digital logic circuits. Organization of central processors, including instruction sets, register transfer operations, control microprogramming, data representation, and arithmetic algorithms. Memory and input/output organization.		
CMSC 386	Field Work 1-3 credits. Grading Method: REG P-F		
0201	Time Arranged	Room Arranged	Staff
CMSC 387	Field Work Analysis 1-3 credits. Grading Method: REG P-F		
0201	Time Arranged	Room Arranged	Staff
CMSC 420	Data Structures 3 credits. Grading Method: REG P-F		
	Prerequisite: CMSC 220		
0101	MtUWThF 8 00am-9 20am	Bldg CSS, Room 2330	Dunn, S
	Prerequisite: CMSC 220 or equivalent. Descriptions, operations, and storage allocation of data structures including lists and trees. Algorithms for manipulating structures. Applications from areas such as data processing, information retrieval, symbol manipulation, and operating systems.		
CMSC 450	Elementary Logic and Algorithms 3 credits. Grading Method: REG P-F		
0101	MtUWThF 8 00am-9 20am	Bldg Y, Room 0407	Staff
	S 102	Bldg Y, Room 0304	Staff
0103	MtUWThF 9 30am-10 50am	Bldg Y, Room 0403	Caicedo, X
	Prerequisite: MATH 240 or consent of instructor. This is the same course as MATH 444. An elementary development of propositional logic, predicate 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.		
CMSC 460	Computational Methods 3 credits. Grading Method: REG P-F		
0101	MtUWThF 9 30am-10 50am	Bldg CSS, Room 3326	Staff
	Prerequisites: MATH 240 and 241, CMSC 110 or 122. Basic computational methods for interpolation, least squares approximation, numerical solution of ordinary differential equations and transcendental equations, systems of linear equations and initial value problems for ordinary differential equations. Emphasis on the methods and their computational properties rather than on their analytic aspects. Listed also as MAPL 460. (Credit will be given for only one of the courses, CMSC 460 or CMSC 471.)		
CMSC 498A	Special Problems in Computer Science 1-3 credits. Grading Method: REG P-F		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
CMSC 798A	Graduate Seminar in Computer Science 1-3 credits. Grading Method: REG/AUD		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
CMSC 799	Master's Thesis Research 1-6 credits. Grading Method: REG		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
CMSC 818A	Advanced Topics in Computer Systems 1-3 credits. Grading Method: REG/AUD		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

CMSC cont.

CMSC 828A	Advanced Topics in Information Processing 1-3 credits. Grading Method: REG/AUD		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
CMSC 838A	Advanced Topics in Programming Languages 1-3 credits. Grading Method: REG/AUD		
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		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
CMSC 899	Doctoral Dissertation Research 1-8 credits. Grading Method: REG		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

CNEC

CONSUMER ECONOMICS (HUMAN AND COMMUNITY RES)

CNEC 100	Introduction to Consumer Economics 3 credits. Grading Method: REG/P-F/AUD		
	Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement		
0201	TuTh 7:00pm-10:00pm	Bldg. H, Room 1304	Soboron-Ferrer, H
	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 410	Consumer Finance 3 credits. Grading Method: REG/P-F/AUD		
	Meets USP Advanced Studies Analysis of Human Problems requirement. Prerequisites: ECON 201 and 203		
0101	TuTh 7:00pm-10:00pm	Bldg H, Room 3418	Soboron-Ferrer, H
	Prerequisites: ECON 201 AND 203. 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. May not be taken by students who have credit for FMCD-441.		
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 H, Room 1304	Fiese, M
0201	MW 7:00pm-10:00pm	Bldg H, Room 400	Goldberg, F
	A study of legislation affecting consumer goods 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 437	Consumer Behavior 3 credits. Grading Method: REG/P-F/AUD		
	Meets USP Advanced Studies Analysis of Human Problems requirement		
0101	TuTh 7:00pm-10:00pm	Bldg T, Room 1113	Erienson, R
0201	TuTh 7:00pm-10:00pm	Bldg H, Room 1108	R
	Prerequisites: PSYC 100 and SOCY 100. 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
CNEC 498A	Special Studies: Consumers, Computers and the Law 3 credits. Grading Method: REG/P-F/AUD		
0101	TuTh 7:00pm-10:00pm	Bldg H, Room 1304	Branngan, V

COOP

COOPERATIVE EDUCATION PROGRAM (UNDERGRADUATE STUDIES)

COOP 208	Coop Work Experience I ; Grading Method: S-F		
	Contact department to make arrangements		
0101	Meets JUN 2 to AUG 22	Room Arranged	Ryerson, R
	Time Arranged		

CRIM

CRIMINOLOGY (BEHAV AND SOCIAL SCI)

CRIM 220	Criminology 3 credits; Grading Method: REG/P-F/AUD		
	Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement		
0101	MWThF 2:00pm-3:20pm	Bldg SSB, Room 1208	Young, V
	Prerequisites: SOCY 100 and sophomore standing. Criminal behavior and 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 1-3 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 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		
0201	MTuWThF 9:30am-10:50am	Bldg SSB, Room 1208	Smith, D
	Prerequisite: SOCY 100. Juvenile delinquency in relation to the general problem of crime, analysis of factors underlying juvenile delinquency, treatment and prevention.		
CRIM 453	Institutional Treatment of Criminals and Delinquents 3 credits. Grading Method: REG		
	Prerequisite: CRIM 220 or CRIM 450 or consent of instructor		
0101	MTuWThF 12:30pm-1:50pm	Bldg SSB, Room 1208	Young, V
	Prerequisite: CRIM 220 or CRIM 450 or consent of instructor. History, organization and functions of penal and correctional institutions for adults and juveniles.		
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 798	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

DANC

(ARTS AND HUMANITIES)

DANCE	Modern Dance 1 or Non-Majors 2 credits. Grading Method: REG/P-F/AUD		
0101	MTuWThF 12:30pm-1:50pm	Bldg EE, Room 1115 (LAB)	Hagler, S
	Basic principles of modern dance, emphasizing fundamentals of movement.		
DANC 124	Ballet I For Non-Majors 2 credits. Grading Method: REG/P-F/AUD		
0101	MTuWThF 11:00am-12:20pm	Bldg W, Room 2102 (LAB)	Flettall, S
	Barre and center work for alignment, strength, flexibility and coordination. Introduction to ballet terminology.		
DANC 398	Directed Studies in Dance 1-6 credits. Grading Method: REG/P-F/AUD		
0101	Time Arranged	Room Arranged (LAB)	Wiltz, A

DHCR

HUMAN AND COMMUNITY RESOURCES (HUMAN AND COMMUNITY RES)

DHCR 400	The Future of the Human Community 3 credits. Grading Method: REG/P-F/AUD		
	Meets USP Advanced Studies Analysis of Human Problems requirement. Prerequisite: Student must first complete USP Distributive Studies Requirement in Social and Behavioral Sciences and have completed 56 credits.		
0101	TuTh 7:00pm-10:00pm	Bldg RR, Room 0116	Lindsay, R
0201	TuTh 7:00pm-10:00pm	Bldg OO, Room 2119	Splaine, J
	Examination of the future of our social and cultural systems for education and child rearing, social and family relationships, health and leisure, information exchange, and the provision of food, clothing, and shelter.		

ECON

ECONOMICS (BEHAV AND SOCIAL SCI)

ECON 201	Principles of Economics I 3 credits. Grading Method: REG/P-F/AUD		
	Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement. Not open to students who have credit for ECON 205.		
0101	MTuWThF 8:00am-9:20am	Bldg Q, Room 0101	Staff
0102	MTuWThF 9:30am-10:50am	Bldg Q, Room 0101	Staff
0103	MTuWThF 11:00am-12:20pm	Bldg Q, Room 0101	Staff
0104	MTuWThF 9:30am-10:50am	Bldg Q, Room 1108	Staff
0201	MTuWThF 9:30am-9:20am	Bldg Q, Room 0101	Staff
0202	MTuWThF 9:30am-10:50am	Bldg Q, Room 0101	Staff
	An introduction to the problems of unemployment, inflation, and economic growth. Emphasis is placed on the roles of monetary and fiscal policy in the conduct of macro-economic policy. The effects 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. Students are advised to take ECON 201 before ECON 203.		
0101	MTuWThF 8:00am-9:20am	Bldg Q, Room 1128	Staff
0102	MTuWThF 9:30am-10:50am	Bldg Q, Room 1128	Panagariya, A
0103	MTuWThF 11:00am-12:20pm	Bldg Q, Room 1118	Panagariya, A
0201	MTuWThF 8:00am-9:20am	Bldg Q, Room 1101	Staff
0202	MTuWThF 9:30am-10:50am	Bldg Q, Room 1110	Staff
	This course emphasizes the behavior of individual consumers and business firms, problems of international trade and finance, the distribution of income, policies for eliminating poverty and discrimination, the problems of environmental pollution, and the impact of different market structures upon economic activity. (Students are advised to take ECON 301 before ECON 203.)		
ECON 205	Fundamentals of Economics 2 credits. Grading Method: REG/P-F/AUD		
	Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement. Not open to students who have credit for ECON 201.		
0101	MTuWThF 8:00am-9:20am	Bldg Q, Room 1114	Staff
0102	MTuWThF 11:00am-12:20pm	Bldg Q, Room 1129	Staff
0201	MTuWThF 9:30am-10:50am	Bldg Q, Room 1132	Staff
	(Not open to students who have credit in ECON 201. Credit will be given for either 201 OR 205, but not for both. Students in the College of Business and Management are required to take ECON 201 AND should not take ECON 205. A one-semester introduction to the principles of microeconomics and their applications to the leading economic problems of society, including inflation, unemployment, population, poverty, urban renewal, inequality, monopoly, environmental protection, international trade, imperialism, economic planning, and comparative economic systems.)		
ECON 310	Evolution of Modern Capitalism in Western Europe and the United States 2 credits. Grading Method: REG/P-F/AUD		
	Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement. No prerequisites.		
0101	MTuWThF 9:30am-10:50am	Bldg Q, Room 1114	Staff
	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 370	Labor Markets, Human Resources, and Trade Unions 2 credits. Grading Method: REG/P-F/AUD		
	Prerequisite: ECON 201 and ECON 203 or ECON 205. Credit will be given for only one course: ECON 370 or ECON 470.		
0201	MTuWThF 11:00am-12:20pm	Bldg Q, Room 2108	Knecht, R
	Prerequisite: ECON 201 and ECON 203, or ECON 205. A survey of labor markets and the American labor movement. Analysis of labor force growth and composition, problems of unemployment and labor market regulations, theories of wage determination, the wage-price spiral, collective bargaining, and governmental regulation of employment and labor relations. Credit will be given for only one course: ECON 370 or ECON 470.		
ECON 375	Economics of Poverty and Discrimination 3 credits. Grading Method: REG/P-F/AUD		
	Prerequisites: ECON 201 and ECON 203, or ECON 205.		
0101	MTuWThF 9:30am-10:50am	Bldg Q, Room 2108	Staff
	Prerequisite: ECON 201 AND 303, OR 205. The causes of the persistence of low income groups, the relationship of poverty to technological change, to economic growth, and to education and training, economic results of discrimination, proposed remedies for poverty and discrimination.		
ECON 399	Individual Reading and Research For Undergraduates 3 credits. Grading Method: REG/P-F/AUD		
	Prerequisite: 6 hours of upper-division economics courses		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ECON 401	National Income Analysis 3 credits. Grading Method: REG/P-F/AUD		
	Prerequisites: ECON 201 and ECON 203. Credit will be given for only one course: ECON 401 or ECON 405.		
0101	MTuWThF 11:00am-12:20pm	Bldg SSB, Room 2166	Staff
0201	TuTh 7:00pm-10:00pm	Bldg Q, Room 2106	Brechling, F
	Prerequisite: ECON 201, 203. Required for economics majors. Analysis of the determination of national income, employment, and price levels. Discussion of consumption, investment, inflation, and government fiscal and monetary policy.		

ECON cont.

ECON 402 Business Cycles 3 credits. Grading Method: REG-P-F-AUD			
Meets USP Advanced Studies Development of Knowledge requirement Prerequisite: ECON 430			
0101	MTuWThF 8:00am-9:20am	Bldg. Q, Room 2110	Staff
0201	MTuWThF 8:00am-9:20am	Bldg. Q, Room 1118	Staff
First semester Prerequisite: ECON 430 A study of the causes of depression and unemployment, cyclical and secular instability, theories of business cycles, and the problem of controlling economic instability.			
ECON 403 Intermediate Price Theory 3 credits. Grading Method: REG-P-F-AUD			
Prerequisites: ECON 201 and ECON 203 Credit will be given for only one course: ECON 403 or ECON 406.			
0101	MTuWThF 11:00am-12:20pm	Bldg. Q, Room 2108	Staff
0201	MTuWThF 11:00am-12:20pm	Bldg. Q, Room 1140	Brechling, F.
Prerequisite: ECON 201, 203 Required for economics majors. An analysis of the theories of consumer behavior and of the firm, and of general price and distribution theory, with applications to current economic issues.			
ECON 415 Introduction to Economic Development of Underdeveloped Areas 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 204			
0101	MTuWThF 11:00am-12:20pm	Bldg. Q, Room 1102	Clague, C
Prerequisite: ECON 201 AND 203 OR 204 An analysis of the economic and social characteristics of underdeveloped areas. Recent theories of economic development, obstacles to development, policies and planning for development.			
ECON 421 Economic Statistics 3 credits. Grading Method: REG-P-F-AUD			
Prerequisite: MATH 110 or equivalent. Not open to students who have taken BMGT 230 or BMGT 221.			
0101	MTuWThF 8:00am-9:20am	Bldg. Q, Room 0111	Keljejan, H.
Prerequisite: MATH 110 or equivalent. Not open to students who have taken BMGT 230 or BMGT 231. An introduction to the use of statistics in economics. Topics include probability, random variables and their distributions, sampling theory, estimation, hypothesis testing, analysis of variance, regression analysis, correlation.			
ECON 430 Money and Banking 3 credits. Grading Method: REG-P-F-AUD			
Prerequisites: ECON 201 and ECON 203. Credit will be given for only one course: ECON 430 or ECON 431.			
0101	MTuWThF 11:00am-12:20pm	Bldg. Q, Room 1114	Meyer, P.
0102	MTuWThF 9:30am-10:50am	Bldg. Q, Room 1140	Meyer, P.
0201	MTuWThF 9:30am-10:50am	Bldg. Q, Room 1101	Staff
Prerequisite: ECON 201 and ECON 203. The structure of financial institutions and their role in the provision of money and near money. Analysis of the Federal Reserve System, the techniques of central banks, and the control of supply of financial assets in stabilization policy. Relationship of money and credit to economic activity and the price level. Credit will be given for only one course: ECON 430 or ECON 431.			
ECON 440 International Economics 3 credits. Grading Method: REG-P-F-AUD			
Prerequisites: ECON 201 and ECON 203. Credit will be given for only one course: ECON 440 or ECON 441.			
0101	MTuWThF 8:00am-9:20am	Bldg. Q, Room 1102	Clague, C
0201	MTuWThF 11:00am-12:20pm	Bldg. Q, Room 1128	Staff
Prerequisite: ECON 201 and ECON 203. A description of international trade and the analysis of international transactions, exchange rates, and balance of payments. Analysis of policies of protection, devaluation, and exchange rate stabilization and their consequences. Credit will be given for only one course: ECON 440 or ECON 441.			
ECON 698 Selected Topics in Economics 3 credits. Grading Method: REG			
Permission of department required.			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ECON 799 Master's Thesis Research 1-6 credits. Grading Method: REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ECON 899 Doctoral Dissertation Research 1-8 credits. Grading Method: REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

EDC**CURRICULUM AND INSTRUCTION (HUMAN AND COMMUNITY RES)**

EDCI 280 School Service Semester 3 credits. Grading Method: S-F			
0101	Tu 1:00pm-4:00pm	Bldg. OO, Room 2102	Staff
0201	MTuWThF 9:00am-12:00pm	Bldg. OO, Room 2102	Staff
Development of conceptual understanding of the teaching-learning process. Seminar to coordinate on- and off-campus experiences.			
EDCI 301 Teaching Art in the Elementary School 3 credits. Grading Method: REG-P-F-AUD			
0101	Tu 4:00pm-7:00pm	Bldg. OO, Room 1315	McWhirne, H.
Limited to non-art education majors. Art methods and materials for elementary schools. Includes laboratory experiences with materials appropriate for elementary schools. Emphasis on emerging areas of art education for the elementary classroom teacher.			
EDCI 381 Schools and Children 3 credits. Grading Method: REG-P-F-AUD			
Meets USP Advanced Studies Analysis of Human Problems requirement.			
0201	MWTh 10:00am-12:00pm	Bldg. OO, Room 1203	Church, M.
Methods of educating children. Examination of different roles of parents and other community members as consumers and participants in schools. Not open for credit to students in teacher preparation program.			
EDCI 390 Principles and Methods of Secondary Education 3 credits. Grading Method: REG-P-F-AUD			
0101	MW 7:00pm-10:00pm	Bldg. OO, Room 1101	Carrinaccio, J.
0102	TuTh 7:00pm-10:00pm	Bldg. OO, Room 1107	Crang, R.
0201	Tu 4:00pm-7:00pm	Bldg. OO, Room 1121	Staff
Prerequisite: EDHD 300 or consent of instructor. Principles and methods of teaching in junior and senior high schools. Instructional problems common to all of the subject fields, considered in relation to the needs and interests of youth, the urgent social problems of today, and the central values of society.			
EDCI 410 The Child and the Curriculum: Early Childhood 3 credits. Grading Method: REG-P-F-AUD			
0101	Meets JUN 19 to JUL 9		
0101	Meets JUN 9 9:00am-12:00pm	Bldg. OO, Room 2101	Amersehk, K.
Relationship of school curriculum, nursery school through grade 3, to child growth and development. Recent trends in curriculum organization, the effect of environment on learning, readiness to learn, and adapting curriculum content and methods to maturity levels of children. Primarily for in-service teachers, nursery school through grade 3.			
EDCI 423 Social Studies in Early Childhood Education 3 credits. Grading Method: REG-P-F-AUD			
0101	Meets JUN 23 to JUL 11		
0101	MTuWThF 1:00pm-4:00pm	Bldg. OO, Room 0202	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 cont.

EDCI 424 Social Studies in the Elementary School 3 credits. Grading Method: REG-P-F-AUD			
0101	Meets JUN 23 to JUL 11		
0101	MTuWThF 1:00pm-4:00pm	Bldg. OO, Room 0202	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-AUD			
0101	TuTh 4:00pm-7:00pm	Bldg. OO, Room 0206	Carrinaccio, J.
Prerequisite: EDHD 300 and EDCI 390, or consent of instructor. The objectives, selection and organization of subject matter, appropriate methods, lesson plans, textbooks and other instructional materials, measurement and topics pertinent to social studies education. For in-service teachers. Includes emphasis on multicultural education.			
EDCI 434 Methods of Teaching English to Speakers of other Languages 3 credits. Grading Method: REG-P-F-AUD			
0201	TuTh 4:00pm-7:00pm	Bldg. OO, Room 0206	Markham, P.
An introductory course in methods for teaching listening, speaking, reading and writing techniques and a review of both findings.			
EDCI 443 Literature for Children and Youth 3 credits. Grading Method: REG-P-F-AUD			
0101	MW 1:00pm-4:00pm	Bldg. OO, Room 1315	Williams, H.
0102	TuTh 1:00pm-4:00pm	Bldg. OO, Room 1121	Dreher, M.
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 444 Language Arts in Early Childhood Education 3 credits. Grading Method: REG-P-F-AUD			
0201	Meets JUL 14 to AUG 1	Bldg. OO, Room 1121	Church, M.
Teaching of spelling, handwriting, oral and written expression and creative expression. Primarily for in-service teachers, nursery school through grade 3.			
EDCI 445 Language Arts in the Elementary School 3 credits. Grading Method: REG-P-F-AUD			
0201	Meets JUL 14 to AUG 1	Bldg. OO, Room 1121	Church, M.
Teaching of spelling, handwriting, oral and written expression and creative expression. Primarily for in-service teachers, grades 1-6.			
EDCI 453 Mathematics in the Elementary School 3 credits. Grading Method: REG-P-F-AUD			
0101	TuTh 4:00pm-7:00pm	Bldg. OO, Room 2121	Bamberger, H.
Prerequisite: MATH 210 or equivalent. Emphasis on materials and procedures which help pupils sense arithmetic meanings and relationships. Primarily for in-service teachers, grades 1-6.			
EDCI 455 Methods of Teaching Mathematics in Secondary Schools 3 credits. Grading Method: REG-P-F-AUD			
0101	MW 4:00pm-7:00pm	Bldg. OO, Room 2121	Staff
Prerequisite: EDHD 300 and EDCI 390, or consent of instructor. The objectives, selection and organization of subject matter, appropriate methods, lesson plans, textbooks and other instructional materials, measurement and topics pertinent to mathematics education. For in-service teachers.			
EDCI 461 Reading in Early Childhood Education 3 credits. Grading Method: REG-P-F-AUD			
0201	Meets JUL 14 to AUG 1	Bldg. OO, Room 2101	Saracho, 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-AUD			
0201	Meets JUL 14 to AUG 1	Bldg. OO, Room 2101	Saracho, 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 1-8.			
EDCI 463 The Teaching of Reading in the Secondary School 3 credits. Grading Method: REG-P-F-AUD			
0101	MW 4:00pm-7:00pm	Bldg. OO, Room 1121	Brigham, B.
The fundamentals of secondary reading instruction, including emphasis on content reading instruction.			
EDCI 467 Teaching Writing 3 credits. Grading Method: REG-P-F-AUD			
0201	MW 4:00pm-7:00pm	Bldg. OO, Room 2203	Slatier, W.
Sources and procedures for developing curriculum objectives and materials for teaching written composition, prewriting, composing, and revision procedures; contemporary directions in rhetorical theory, survey of research on composition instruction.			
EDCI 472 Methods of Teaching Science in Secondary Schools 3 credits. Grading Method: REG-P-F-AUD			
0201	Meets JUL 14 to AUG 1	Bldg. OO, Room 0220	Staff
Prerequisites: EDHD 300, EDCI390, and consent of instructor. The study of the teachers role in classroom and laboratory instruction, determining appropriate teaching methods, selecting textbooks and other instructional materials, measuring and evaluating student achievement. Includes lab and field experience. For in-service teachers.			
EDCI 474 Science in Early Childhood Education 3 credits. Grading Method: REG-P-F-AUD			
0101	TuTh 4:00pm-7:00pm	Bldg. OO, Room 2212	Williams, D.
Objectives, methods, materials and activities for teaching science in the elementary school. Primarily for in-service teachers, nursery school through grade 3.			
EDCI 475 Science in the Elementary School 3 credits. Grading Method: REG-P-F-AUD			
0101	TuTh 4:00pm-7:00pm	Bldg. OO, Room 2212	Williams, D.
Objectives, methods, materials, and activities for teaching science in the elementary school. Primarily for in-service teachers, grades 1-6.			
EDCI 487 Introduction to Computers in Instructional Settings 3 credits. Grading Method: REG-P-F-AUD			
0101	MW 7:00pm-10:00pm	Bldg. OO, Room 1315	Staff
Prerequisite: at least six hours in education or instruction experience. A first-level survey course for students interested in the possibilities of using computers for instructional purposes. "Hands-on" experience with computers. Site visits, guest speakers, and individual project opportunities.			
EDCI 488C Selected Topics in Teacher Education: Computer Software in Reading 3 credits. Grading Method: REG-P-F-AUD			
0101	MW 4:00pm-7:00pm	Bldg. OO, Room 0206	Dreher, M.
EDCI 488D Selected Topics in Teacher Education: Feminist Perspective in Education 3 credits. Grading Method: REG-P-F-AUD			
0101	TuTh 4:00pm-7:00pm	Bldg. OO, Room 1107	Hedelbach, R.
EDCI 488F Selected Topics in Teacher Education: Computers in Science Education 3 credits. Grading Method: REG-P-F-AUD			
0101	TuTh 4:00pm-7:00pm	Bldg. OO, Room 0220	Lockard, J.
EDCI 488G Selected Topics in Teacher Education: Computers in Art Education 3 credits. Grading Method: REG-P-F-AUD			
0201	TuTh 9:00am-12:00pm	Bldg. OO, Room 1315	McWhirne, H.
EDCI 488H Selected Topics in Teacher Education: Learning Styles and Learning Environments 3 credits. Grading Method: REG-P-F-AUD			
Meets USP Advanced Studies Development of Knowledge requirement.			
0101	MTuWThF 7:00pm-10:00pm	Bldg. OO, Room 0114	Young, J.
0102	MW 4:00pm-7:00pm	Bldg. OO, Room 3236	Herman, J. W.
0103	MW 4:00pm-7:00pm	Bldg. OO, Room 0210	Hedelbach, R.
0104	MW 1:00pm-4:00pm	Bldg. OO, Room 0114	Amersehk, K.
0201	MW 4:00pm-7:00pm	Bldg. OO, Room 0210	Herman, J. W.
An opportunity to examine your own style of learning through self-report instruments and how you function in different learning environments through direct experiences and reflection. Prerequisite: Completion of Social and Behavioral Sciences requirement.			



EDCI cont.

EDCI 488V	Selected Topics in Teacher Education: Teaching Visual Literacy 3 credits; Grading Method: REG P-F/AUD		
0101	MW 4:00pm-7:00pm	Blig. OO, Room 1315	Craig, R
EDCI 489	Field Experience in Education 1-4 credits; Grading Method: REG P-F/AUD		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
EDCI 498	Special Problems in Teacher Education 1-6 credits; Grading Method: REG P-F/AUD		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
EDCI 499B	Workshops, Clinics, and Institutes: A Summer Experience with Curriculum and Instruction 3 credits; Grading Method: REG/AUD		
0201	Meets JUL 14 to JUL 25	Bldg OO, Room 3233	Weaver P
EDCI 660	Corrective Reading Instruction 3 credits; Grading Method: REG/AUD		
0101	Meets JUN 23 to JUL 11	Bldg OO, Room 1121	Gembrell, L
	MtUWTF 9:00am-12:00pm		
	Prerequisite: EDCE 665 or 463, or equivalent. Diagnostic techniques, instructional materials and teaching procedures used in the regular classroom; appropriate for teachers, supervisors, and administrators.		
EDCI 730	Theory and Research in Foreign Language/ESOL Education 3 credits; Grading Method: REG/AUD		
0101	TuTh 4:00pm-7:00pm	Bldg. OO, Room 2203	Colaranzo, W
	A survey of the research literature; evaluation of research techniques, demonstration of relevant instructional curriculum theory; evaluation of modern teaching methods and techniques		
EDCI 761	Advanced Clinical Practices in Reading Diagnosis 3 credits; Grading Method: REG/AUD		
0101	Meets JUN 19 to JUL 25	Bldg. OO, Room D114	Davey, H
	MtUWTF 9:00am-12:00pm		
	Prerequisite: EDCE 665 Prerequisite: EDCE 762. Diagnostic work with children in clinic and school situations. Administration, and interpretation. Prescription, diagnostic instrument, case report writing and conferences.		
EDCI 762	Advanced Clinical Practices in Reading Instruction 3 credits; Grading Method: REG/AUD		
0101	Meets JUN 19 to JUL 25	Bldg. OO, Room 2119	Davey, H
	MtUWTF 1:00pm-4:00pm		
	Prerequisite: EDCE 665. Corequisite: EDCE 761. Remedial instruction with children in clinic and school situations. The development of competency in remedial techniques, diagnostic teaching and evaluation.		
EDCI 788B	Selected Topics in Teacher Education: Logo Applications in Early Childhood Education 3 credits; Grading Method: REG/AUD		
0101	Meets JUN 19 to JUL 9	Bldg. OO, Room 2203	Gillingham, M
	MW 4:00pm-7:00pm		
	MtUWTF 9:00am-12:00pm	Bldg. OO, Room 2203 (LAB)	
EDCI 788D	Selected Topics in Teacher Education: Multicultural Perspective in Education 3 credits; Grading Method: REG/AUD		
0101	TuTh 4:00pm-7:00pm	Bldg. OO, Room 1107	Heidobach, R
EDCI 788E	Selected Topics in Teacher Education: Program Design, Assessment and Evaluation 3 credits; Grading Method: REG/AUD		
0101	MW 9:00am-12:00pm	Bldg. OO, Room 2102	Roderick, J
EDCI 788G	Selected Topics in Teacher Education: Proseminar: Perspectives on Teaching ; Grading Method: REG/AUD		
0101	Time Arranged	Room Arranged	Staff
EDCI 788U	Selected Topics in Teacher Education: Learning Principles for Teachers 1-3 credits; Grading Method: REG		
0201	MW 9:00am-12:00pm	Bldg. OO, Room 1121	Garner, R
EDCI 788V	Selected Topics in Teacher Education: Models and Processes of Teaching 3 credits; Grading Method: REG		
0201	TuTh 9:00am-12:00pm	Bldg. OO, Room 1121	McCaleb, J
EDCI 788Y	Selected Topics in Teacher Education: Social Context and Leadership in Teaching 2 credits; Grading Method: REG		
0201	F 8:00am-12:00pm	Bldg. OO, Room 1121	Clemson, R
EDCI 788Z	Selected Topics in Teacher Education: Proseminar: Perspectives on Teaching ; Grading Method: REG		
0201	F 1:00pm-4:00pm	Bldg. OO, Room 1315	Clemson, R
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 1-3 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 (HUMAN AND COMMUNITY RES)**

EDCP 385	Field Work 1-3 credits; Grading Method: REG P-F/AUD		
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		
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	MW 4:00pm-7:00pm	Bldg. OO, Room 2102	Power, P
0201	TuTh 4:00pm-7:00pm	Bldg. OO, Room 2102	Allan, T
	Presents principles and procedures, and examines the function of counselors, psychologists in schools, school social workers, and other personnel service workers		
EDCP 417	Group Dynamics and Leadership 3 credits; Grading Method: REG P-F/AUD		
0201	MW 4:00pm-7:00pm	Bldg. OO, Room 3236	Waldo, M
	The nature and property of groups, interaction analysis, developmental phases, leadership dynamics and styles, roles of members and interpersonal communications. Laboratory involves experimental based learning		
EDCP 420	Educational Decision 3 credits; Grading Method: REG/AUD		
	Meets USP Advanced Studies Analysis of Human Problems requirement.		
0101	TuTh 4:00pm-7:00pm	Bldg. OO, Room 2119	Spokane, A
EDCP 460	Strategy development for counselors and educators to deal with problems of racism 3 credits; Grading Method: REG/AUD		
0101	TuTh 7:00pm-10:00pm	Bldg. OO, Room 3233	Lawrence, F
	Introductory course for majors in rehabilitation counseling, social work, psychology, or education who desire to work professionally with physically or emotionally handicapped persons		
EDCI 611	Career Development Theory and Programs 3 credits; Grading Method: REG/AUD		
0101	MW 4:00pm-7:00pm	Bldg. OO, Room 3233	Spokane, A
	Research and theory related to career and educational decisions, programs of related information and other activities in career decision		

EDCP cont.

EDCP 614	Personality Theories in Counseling and Personnel Services 3 credits; Grading Method: REG/AUD		
0101	TuTh 4:00pm-7:00pm	Bldg. OO, Room 2101	Teglas-Golubov, H
	Examination of constructs and research relating to major personality theories with emphasis on their significance for working with the behaviors of individuals		
EDCP 617	Group Counseling 3 credits; Grading Method: REG/AUD		
0201	TuTh 4:00pm-7:00pm	Bldg. OO, Room 3233	Waldo, M
	Frequently used in EDCE 616. A survey of the research and practice of group counseling and psychotherapy with an introduction to growth groups and the laboratory approach, therapeutic factors in groups, composition of therapeutic groups, problem clients, therapeutic techniques, research methods, theory, ethics and training of group counselors and therapists		
EDCP 668L	Special Topics in Rehabilitation: Private Sector Rehabilitation 3 credits; Grading Method: REG/AUD		
0101	MW 7:00pm-10:00pm	Bldg. OO, Room 3233	Lawrence, R
EDCP 789C	Advanced Topics in Counseling and Personnel Services: Measures of Career Development 3 credits; Grading Method: REG/AUD		
0201	MW 4:00pm-7:00pm	Bldg. OO, Room 3233	Knefelkamp, L
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 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 (HUMAN AND COMMUNITY RES)**

EDHD 300	Human Development and Learning 6 credits; Grading Method: REG P-F/AUD		
0101	MtUWTF 9:30am-12:00pm	Bldg. OO, Room 3315	Rogalsky, S
0201	MtUWTF 9:30am-12:00pm	Bldg. OO, Room 3315	Matteson, R
	Open only to students approved for teacher education. Studies scientific facts that describe growth, development, and learning and the implications of these for the teacher and the school. A study of an individual child and a classroom participation experience are integral parts of the course and require a one-half day per week, assignment in a public school as a teacher aide. Students are scheduled for field assignments in an elementary or high school according to the curriculum they are in. Each group is under the supervision of a faculty member with whom it meets every second week in a seminar session.		
EDHD 306	A 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. OO, Room 3315	Staff
	This course is planned for and limited to students who are not enrolled in the College of Education, and it does not meet the requirements of the professional education programs. The course is designed to introduce students to the scientific principles (physical, social and psychological) which describe human behavior, development and adjustment at all maturity levels and to use these principles in the study of individual children and youth. Each student will observe, record, and analyze the behavior of an individual throughout the semester and must have one half-day a week for this purpose.		
EDHD 320	Human Development Through the Lifespan 3 credits; Grading Method: REG P-F/AUD		
0101	MW 4:00pm-7:00pm	Bldg. OO, Room 3315	Fleiter, C
0102	TuTh 4:00pm-7:00pm	Bldg. OO, Room 3315	Green, H
0201	TuTh 7:00pm-10:00pm	Bldg. OO, Room 3315	Hatfield, A
	Central concepts related to parameters of human development, individual and social, which arise throughout the various stages of the lifespan. Continuity and change within the developing individual		
EDHD 350	Human Development Factors in Personnel Decisions 3 credits; Grading Method: REG P-F/AUD		
0101	MW 4:00pm-7:00pm	Bldg. OO, Room 1107	Miholan, F
0201	TuTh 7:00pm-10:00pm	Bldg. OO, Room 2101	Tyler, B
	An exploration of personality dynamics including self-study experiences which contribute to the student's personal growth and self-insight. Designed for the preprofessional, with emphasis on factors which enhance optimal development in small group interaction.		
EDHD 400	Introduction to Gerontology 3 credits; Grading Method: REG/AUD		
0101	MW 7:00pm-10:00pm	Bldg. OO, Room 3315	Hunt, E
	An overview of the processes of aging including physiological, sociological, and psychological aspects as an introduction to the field of gerontology. Analysis of physiological changes, cultural forces and self processes that have a bearing on life quality in the late years. Examination of community action in response to problems of the elderly. Direct field contact with programs for the elderly.		
EDHD 411	Child Growth and Development 3 credits; Grading Method: REG P-F/AUD		
0101	MW 7:00pm-10:00pm	Bldg. OO, Room 1107	Staff
0201	MW 7:00pm-10:00pm	Bldg. OO, Room 3315	Hatfield, A
	Growth and development of the child from conception through the early childhood years, with emphasis on development sequences in physical, psychological and social areas. Implications for understanding and working with young children in the home, school, and other settings.		
EDHD 413	Adolescent Development 3 credits; Grading Method: REG P-F/AUD		
0101	TuTh 7:00pm-10:00pm	Bldg. OO, Room 3315	Miholan, F
0201	TuTh 7:00pm-10:00pm	Bldg. OO, Room 2102	Garner, A
	A study of the interplay of physical, cultural and self forces as they influence behavior, development, learning and adjustment in adolescence. Includes observation and case study. This course cannot be used to meet the psychological foundations requirements for teacher certification.		
EDHD 445	Guidance of Young Children 3 credits; Grading Method: REG P-F/AUD		
	Meets USP Advanced Studies Analysis of Human Problems requirement.		
0101	MW 4:00pm-7:00pm	Bldg. OO, Room 2114	Koopman, E
0102	TuTh 4:00pm-7:00pm	Bldg. OO, Room 2202	Hunt, E
0201	TuTh 4:00pm-7:00pm	Bldg. OO, Room 2119	Mercus, R
0202	MW 7:00pm-10:00pm	Bldg. OO, Room 1107	Mercus, R
	Prerequisite: PSYC 100, EDHD 300, EDHD 306 or equivalent. Development of an appreciation and understanding of young children from differing home and community backgrounds; study of individual and group problems.		
EDHD 460	Educational Psychology 3 credits; Grading Method: REG P-F/AUD		
0101	MW 7:00pm-10:00pm	Bldg. OO, Room 2119	Green, H
0201	MW 7:00pm-10:00pm	Bldg. OO, Room 2119	Garner, A
	Prerequisites: PSYC 100, or EDUC 300 or equivalent. Offers an examination of research and problems in educational psychology. Includes consideration of measurement and the significance of individual differences, learning, motivation and emotions, transfer of learning, intelligence, attitudes, problem solving and understanding, thinking and communicating knowledge. The course is intended to provide an overview of educational psychology with an emphasis on learning processes. It may not be substituted for EDUC 300 by regularly matriculated students in the teacher education program.		

EDHD cont.

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 499P	Workshops, Clinics, and Institutes: The Role of the Teacher with Children of Divorce or 3 credits. Grading Method REG		
0101	TuTh 7:00pm-10:00pm	Blgd OO, Room 2119	Koopman, E
EDHD 600	Introduction to Human Development and Child Study 3 credits. Grading Method REG AUD		
0101	TuTh 7:00pm-10:00pm	Blgd OO, Room 2101	Flatter, C
0201	MW 7:00pm-10:00pm	Blgd OO, Room 2102	Staff
An overview of the multidisciplinary, scientific principles that 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 619P	Advanced Scientific Concepts in Human Development: The Role of the Teacher with Children of Divorce and Traditional Families 3 credits. Grading Method REG		
0101	TuTh 7:00pm-10:00pm	Blgd OO, Room 2119	Koopman, E
EDHD 721	Learning Theory and the Educative Process I 3 credits. Grading Method REG AUD		
0101	TuTh 7:00pm-10:00pm	Blgd OO, Room 2102	Staff
0201	TuTh 7:00pm-10:00pm	Blgd OO, Room 1107	Bennett, S
Major theories, issues and research in learning and cognitive development. Emphasis on the application of these theories to education and the helping professions.			
EDHD 722	Learning Theory and the Educative Process II 3 credits. Grading Method REG AUD		
0101	MW 7:00pm-10:00pm	Blgd OO, Room 2102	Staff
Prerequisite: EDHD 721 or consent of instructor. Advanced study of theories, issues and research in several categories: cognition and learning 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 (HUMAN AND COMMUNITY RES)

EDIT 101	Mechanical Drawing I 2 credits. Grading Method REG AUD		
0201	MW 5:00pm-10:00pm	Blgd P, Room 2229	Chn, R
An introduction to orthographic multi-view and isometric projection. Emphasis on the visualization of an object when it is represented by a multi-view drawing and on the making of multi-view drawings. Auxiliary views, sectional views, dimensioning, conventional representation and single stroke letters.			
EDIT 102	Fundamentals of Woodworking 3 credits. Grading Method REG P-F AUD		
0201	MTuWThF 1:00pm-4:00pm	Blgd P, Room 1210	Smith, J
0201	MTuWThF 1:00pm-4:00pm	Blgd P, Room 1210 (LAB)	Staff
An orientation into the woodworking industry, with regard to materials, products and processes while providing skill development in the care and use of hand and power tools.			
EDIT 114	Principles of Typewriting 2 credits. Grading Method REG		
0101	MTuWThF 9:30am-10:50am	Blgd P, Room 2115	Peters, R
Prerequisite: consent of instructor. The attainment of the ability to operate the typewriter continuously with reasonable speed and accuracy by the teacher.			
EDIT 121	Mechanical Drawing II 2 credits. Grading Method REG AUD		
0201	MW 5:00pm-10:00pm	Blgd P, Room 2229	Chn, R
Prerequisite: EDIT 101. Working drawings, machine design, pattern layouts, tracing and reproduction. Detail drawings followed by assemblies.			
EDIT 127	Fundamentals of Electricity Electronics 3 credits. Grading Method REG P-F AUD		
0101	MTuWThF 1:00pm-4:00pm	Blgd P, Room 2201	Miligan, D
0101	MTuWThF 1:00pm-4:00pm	Blgd P, Room 2201 (LAB)	Staff
Introduction to electricity-electronics in general. Emphasis on electrical circuits and wiring, the measurement of electrical energy, the theory of motors and generators and an introduction to vacuum tubes, transistors and power supplies.			
EDIT 160	Design Illustrating I 2 credits. Grading Method REG P-F AUD		
0101	MW 5:00pm-10:00pm	Blgd P, Room 2229	Chn, R
0201	TuTh 5:00pm-10:00pm	Blgd P, Room 2108	Chn, R
Intended for designers, interior and landscape design majors. Experience in the use of instruments, equipment, and materials. Lettering; line technique; geometric construction, and projection theory. Emphasis on pictorial representation, particularly isometric, oblique, and one and two point perspective.			
EDIT 202	Machine Woodworking 3 credits. Grading Method REG P-F AUD		
0201	MTuWThF 1:00pm-4:00pm	Blgd P, Room 1210	Smith, J
0201	MTuWThF 1:00pm-4:00pm	Blgd P, Room 1210 (LAB)	Staff
Prerequisite: EDIT 102 or equivalent. The development of comprehensive knowledge of machine woodwork with emphasis on mass production practices, specialty cuts, laminating procedures, machine maintenance and ongoing product understanding.			
EDIT 224	Organized and Supervised Work Experiences I 3 credits. Grading Method REG P-F AUD		
Students must meet with instructor during first week.			
0101	Time Arranged	Room Arranged	Hunter, A
0201	Time Arranged	Room Arranged	Hunter, A
0202	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. The student is responsible for obtaining his own employment with the coordinator advising him in regard to the job opportunities which have 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 internship must be served through continuous employment in a single establishment.			
EDIT 227	Application of Electronics 3 credits. Grading Method REG P-F AUD		
0101	MTuWThF 1:00pm-4:00pm	Blgd P, Room 2201	Miligan, D
0101	MTuWThF 1:00pm-4:00pm	Blgd P, Room 2201 (LAB)	Staff
Prerequisite: EDIT 127 or equivalent. An intermediate course providing more extensive knowledge in electricity-electronics including principles of the transmission and reception of radio waves, applications of transistors and other semiconductor and an introduction to industrial electronics.			

EDIT cont.

EDIT 232	Fundamentals of Automotive Technology 3 credits. Grading Method REG P-F AUD		
0101	MW 4:00pm-10:00pm	Blgd P, Room 2123	Aumiller, L
0101	MW 4:00pm-10:00pm	Blgd P, Room 1229 (LAB)	Staff
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 credits. Grading Method REG P-F AUD		
0101	MTuWThF 9:00am-12:00pm	Blgd P, Room 2202	Staff
0101	MTuWThF 9:00am-12:00pm	Blgd P, Room 2222 (LAB)	Staff
Graphic reproduction processes and related areas used to communicate. Offset, letterpress, screen, gravure, engraving lithographic, and electrostatic duplication, and relevant history, safety, layout and design, composition, photo conversion, image carriers, image transfer, finishing, binding, paper and ink.			
EDIT 241	Architectural Drawing 2 credits. Grading Method REG P-F AUD		
0101	MW 5:00pm-10:00pm	Blgd P, Room 2229	Chn, R
Prerequisite: EDIT 101 or equivalent. Practical experience in the design and planning of houses and other buildings. Working drawings, specifications, and blue-prints.			
EDIT 291	Introduction to Plastics Technology 3 credits. Grading Method REG P-F AUD		
0101	TuTh 4:00pm-10:00pm	Blgd P, Room 1216 (LAB)	Mason, R
0101	TuTh 4:00pm-10:00pm	Blgd P, Room 1216 (LAB)	Staff
Lecture and laboratory. An overview of the plastics industry including properties of plastics, major polymers of the plastics industry and basic molding processes.			
EDIT 324	Organized and Supervised Work Experiences II 3 credits. Grading Method REG P-F AUD		
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. The student is responsible for obtaining his own employment with the coordinator advising him in regard to the job opportunities which have 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 internship must be served through continuous employment in a single establishment.			
EDIT 350	Methods of Teaching: Trades and Industry Education 3 credits. Grading Method REG P-F AUD		
0201	MTuWThF 8:00am-9:20am	Blgd P, Room 3225	Schuma, J
Intended for vocational and occupational teachers. The identification and analysis of factors essential to helping students learn. Several career, types of learning, Biggs, Room 3225, cost of materials, industrial plant organization and grading student progress in shop and related technical subjects.			
EDIT 360	Industrial Production Technology 3 credits. Grading Method REG P-F AUD		
0101	TuTh 7:00pm-10:00pm	Blgd P, Room 3104	Mielus, W
Prerequisite: EDIT 292 or consent of instructor. Principles of industrial and laboratory organization. Economics of production, capital equipment, labor costs, cost of materials. Industrial plant siting, environmental considerations, plant layout and design. Engineering decisions for production, methods analysis, value analysis, quality control. Industrial relations.			
EDIT 406	Word Processing 3 credits. Grading Method REG AUD		
0101	MW 4:00pm-7:00pm	Blgd P, Room 3106	Boyer, J
An introduction to the word processing field with emphasis on word processing theory and concepts including hand-on equipment training. Management of office personnel, procedures, and equipment. The incorporation of word processing into the school curriculum, the automated office of the future and career opportunities. On-site field experiences are scheduled throughout the course.			
EDIT 434	Color Reproduction in Graphic Communications 3 credits. Grading Method REG P-F AUD		
0101	MW 4:00pm-10:00pm	Blgd P, Room 2222 (LAB)	Staff
0101	MW 4:00pm-10:00pm	Blgd P, Room 2222 (LAB)	Staff
Prerequisite: EDIT 334 or equivalent. An introduction to the theory and processes of color graphic 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 credits. Grading Method REG P-F AUD		
0101	TuTh 7:00pm-10:00pm	Blgd P, Room 3201	Slough, 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. Grading Method REG P-F AUD		
0201	MTuWThF 9:30am-10:50am	Blgd P, Room 2108	Chn, R
0201	MTuWThF 9:30am-10:50am	Blgd P, Room 2108	Staff
Prerequisite: EDIT 160. Advanced drawing, rendering, shadow construction, lettering techniques and advanced pictorial representation techniques.			
EDIT 462	Occupational Analysis and Course Construction 3 credits. Grading Method REG AUD		
0201	MTuWThF 9:30am-10:50am	Blgd P, Room 3104	Stewardson, G
0202	MTuWThF 9:30am-10:50am	Blgd P, Room 3105	Staff
Application of the techniques of occupational and job analysis concepts to instructional development and the design of occupational programs.			
EDIT 464	Laboratory Organization and Management 3 credits. Grading Method REG P-F AUD		
0101	TuTh 4:00pm-7:00pm	Blgd P, Room 3105	Staff
0201	MTuWThF 11:00am-12:20pm	Blgd P, Room 3105	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, and storage control.			
EDIT 467	Problems in Occupational Education 3 credits. Grading Method REG P-F AUD		
0101	TuTh 4:00pm-7:00pm	Blgd P, Room 3104	Slough, K
The procurement, assembly, organization, and interpretation of data relative to the scope, character and effectiveness of occupational education.			
EDIT 471	History and Principles of Vocational Education 3 credits. Grading Method REG P-F AUD		
0101	MW 4:00pm-7:00pm	Blgd P, Room 1202	Lueikemeyer, J
The development of vocational education from primitive times to the present with special emphasis given to the vocational education movement and the program of public education.			
EDIT 476	Application of Technology to Social Problems 3 credits. Grading Method REG P-F AUD		
0101	MW 7:00pm-10:00pm	Blgd P, Room 3201	Staff
Meets U.S. Advanced Studies Analysis of Human Problems requirement.			
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 486	Field Experiences in Marketing and Distributive Education 3 credits. Grading Method REG P-F AUD		
0101	Time Arranged	Room Arranged	Anderson, C
EDIT 488P	Selected Topics in Education: Educators in Business and Industry 2-3 credits. Grading Method REG P-F AUD		
Permission of department required.			
0101	Time Arranged	Room Arranged	Mielus, W
EDIT 488L	Selected Topics in Education: Strategies for Teaching Critical and Creative Thinking 3 credits. Grading Method REG AUD		
0201	TuTh 1:00pm-4:00pm	Blgd P, Room 3225	Hultgren, F
EDIT 488W	Selected Topics in Education: Technical Writing 3 credits. Grading Method REG P-F AUD		
Permission of department required.			
0101	Time Arranged	Room Arranged	Slough, K
EDIT 498	Special Problems in Education 1-6 credits. Grading Method REG P-F AUD		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
EDIT 499P	Workshops, Clinics, and Institutes: Workshop in Vocational Education (T and I) 3 credits. Grading Method REG P-F AUD		
0201	Time Arranged	Room Arranged	Malley, D

EDIT cont.EDIT 499R **Workshops, Clinics, and Institutes: Work Experience, Trade Advancement**

0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
EDIT 606	Curriculum Development in Business Education 3 credits; Grading Method: REG/AUD		
0101	MW 4:00pm-7:00pm	Bldg. P, Room 3105	Peters, R

EDIT 640 **Research in Industrial Arts and Vocational Education**

0101	MW 7:00pm-10:00pm	Bldg. P, Room 1202	Luetkemeyer, J
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EDIT 644 **Curriculum Trends in Business Education 3 credits; Grading Method: REG/AUD**

0101	MW 7:00pm-10:00pm	Bldg. P, Room 3105	Boyer, J
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EDIT 647 **Seminar in Industrial Arts and Vocational Education 3 credits; Grading Method: REG/AUD**

0101	MW 7:00pm-10:00pm	Bldg. P, Room 1202	Luetkemeyer, J
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EDIT 705 **Trends in the Teaching and Supervision of Home Economics Education 3 credits; Grading Method: REG/AUD**

0101	Meets JUL 11 JUL 18	Bldg. P, Room 1202	Hultgren, F
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EDIT 788B **Selected Topics in Education: Educators in Business and Industry 2-3 credits; Grading Method: REG/AUD**

0101	Time Arranged	Room Arranged	Metus, W
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EDIT 798 **Special Problems in Education 1-6 credits; Grading Method: REG/AUD**

0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

EDIT 799 **Master's Thesis Research 1-6 credits; Grading Method: REG**

0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

EDIT 889 **Apprenticeship in Education 1-8 credits; Grading Method: REG/AUD**

0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

EDIT 899 **Doctoral Dissertation Research 1-8 credits; Grading Method: REG**

0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

EDMS MEASUREMENT, STATISTICS, AND EVALUATION (HUMAN AND COMMUNITY RES)EDMS 451 **Introduction to Educational Statistics 3 credits; Grading Method: REG/AUD**

0101	MTuWThF 9:00am-9:20am	Bldg. OO, Room 4233	Staff
0201	MTuWThF 9:30am-10:50am	Bldg. OO, Room 2119	Benison, J

EDMS 645 **Quantitative Research Methods I 3 credits; Grading Method: REG/AUD**

0101	MTuWTh 4:30pm-6:10pm	Bldg. OO, Room 4233	Staff
0201	MTuWThF 9:30am-10:50am	Bldg. OO, Room 4233	Johnson, C

EDMS 646 **Quantitative Research Methods II 3 credits; Grading Method: REG/AUD**

0101	MTuWTh 4:30pm-6:10pm	Bldg. AS, Room 3203	Owings, M
0201	MTuWThF 9:30am-10:50am	Bldg. OO, Room 4233	Johnson, C

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 (HUMAN AND COMMUNITY RES)EDPA 301 **Foundations of Education 3 credits; Grading Method: REG/P/AUD**

0101	MW 7:00pm-10:00pm	Bldg. OO, Room 0114	Hopkins, R
0102	TuTh 4:00pm-7:00pm	Bldg. OO, Room 0210	Lindsay, R
0201	TuTh 4:00pm-7:00pm	Bldg. OO, Room 1211	Agre, G

EDPA 488B **Special Topics in Education Policy and Administration: Perspectives on the Effective School Movement 3 credits; Grading Method: REG**

0201	TuTh 7:00pm-10:00pm	Bldg. OO, Room 1121	Agre, G
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EDPA 489C **Special Topics in Education Policy and Administration: Technology, Social Change and Education 3 credits; Grading Method: REG/AUD**

0201	TuTh 4:00pm-7:00pm	Bldg. OO, Room 0202	Spokane, J
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EDPA 490 **Special Topics in Education Policy and Administration: Technology, Social Change and Education 3 credits; Grading Method: REG/AUD**

0201	TuTh 4:00pm-7:00pm	Bldg. OO, Room 0202	Spokane, J
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EDPA cont.

and from the emerging literature of Education Communications. A humanistic view is taken in an effort to try and understand recent technological developments. Assignments will involve two scholarly papers which will analyze the relationship of the new technologies to education and humanistic concepts. Prerequisite: In-Str status and Social Sciences requirement completed.

EDPA 498 **Special Problems in Education 1-3 credits; Grading Method: REG/P/AUD**

0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

EDPA 612 **Philosophy of Education 3 credits; Grading Method: REG**

0201	MW 4:00pm-7:00pm	Bldg. OO, Room 2101	Noll, J
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EDPA 634 **The School Curriculum 2-3 credits; Grading Method: REG/AUD**

0201	MW 4:00pm-7:00pm	Bldg. OO, Room 2102	Selden, S
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EDPA 635 **Principles of Curriculum Development 3 credits; Grading Method: REG/AUD**

0101	TuTh 4:00pm-7:00pm	Bldg. OO, Room 3233	Barman, L
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EDPA 660 **Administrative Foundations 3 credits; Grading Method: REG**

0101	MW 4:00pm-7:00pm	Bldg. OO, Room 1203	Sleier, R
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EDPA 663 **Policy Formulation in Education 3 credits; Grading Method: REG/AUD**

0101	MW 7:00pm-10:00pm	Bldg. OO, Room 0202	Intrigrator, B
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EDPA 700 **Qualitative Research Methods in Education 3 credits; Grading Method: REG/AUD**

0101	MW 4:00pm-7:00pm	Bldg. OO, Room 2101	Hopkins, R
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EDPA 788B **Special Topics in Education Policy and Administration: Education and Crossing Cultural Boundaries 3 credits; Grading Method: REG/AUD**

0101	Time Arranged	Room Arranged	Male, G
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EDPA 788C **Special Topics in Education Policy and Administration: Problems and Challenges in the Education of Minorities in the United States and in Selected Other Countries 3 credits; Grading Method: REG**

0201	Meets JUL 11 to AUG 1	Bldg. OO, Room 0202	Male, G
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EDPA 788D **Special Topics in Education Policy and Administration: Accreditation in Higher Education 3 credits; Grading Method: REG**

0101	TuTh 4:00pm-7:00pm	Bldg. OO, Room 3236	Berdahl, R
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EDPA 788E **Special Topics in Education Policy and Administration: Development of Leadership Behavior 3 credits; Grading Method: REG/AUD**

0201	Meets JUL 14 to AUG 1	Bldg. OO, Room 0206	Goldman, H
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EDPA 798 **Special Problems in Education 1-6 credits; Grading Method: REG/AUD**

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 851 **College and University Development 3 credits; Grading Method: REG/AUD**

0201	TuTh 4:00pm-7:00pm	Bldg. OO, Room 2233	Carbone, R
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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 (HUMAN AND COMMUNITY RES)**EDSP 210 **Introduction to Special Education 3 credits; Grading Method: REG/AUD**

0201	MW 4:00pm-7:00pm	Bldg. OO, Room 2119	Graham, S
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EDSP 402A **Field Placement: Severely Handicapped 12-5 credits; Grading Method: REG**

0101	Time Arranged	Room Arranged (LAB)	Staff
0201	Time Arranged	Room Arranged (LAB)	Staff

EDSP 404A **Education of Autistic Children 3 credits; Grading Method: REG/AUD**

0201	MW 7:00pm-10:00pm	Bldg. OO, Room 2101	Egel, A
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EDSP 421A **Field Placement: Early Childhood Special Education 12-3 credits; Grading Method: REG**

0101	Time Arranged	Room Arranged (LAB)	Staff
0201	Time Arranged	Room Arranged (LAB)	Staff

EDSP 442A **Field Placement: Educationally Handicapped 1-2-3 credits; Grading Method: REG**

0101	Time Arranged	Room Arranged (LAB)	Staff
0201	Time Arranged	Room Arranged (LAB)	Staff

EDSP 461A **Field Placement: Career/Vocational 1-2-3 credits; Grading Method: REG**

0101	Time Arranged	Room Arranged (LAB)	Staff
0201	Time Arranged	Room Arranged (LAB)	Staff

EDSP cont.

EDSP 470A Introduction to Special Education 3 credits, Grading Method REG/AUD			
Not open to undergraduate special education majors.			
0101	MW 4:00pm-7:00pm	Bldg. OO, Room 2119	Seidman, E
EDSP 475 Education of the Slow Learner 3 credits, Grading Method REG/P-F/AUD			
0101	MW 7:00pm-10:00pm	Bldg. OO, Room 2101	Simms, B
Studies the characteristics of the slow learner and those educational practices which are appropriate for the child who is functioning as a slow learner.			
EDSP 491A Characteristics of Exceptional Children: Perceptual Learning Problems 3 credits, Grading Method REG/AUD			
Not open to undergraduate special education majors.			
0201	TuTh 4:00pm-7:00pm	Bldg. OO, Room 2101	Harris, K
EDSP 498 Special Problems in Teacher Education 1-6 credits, Grading Method REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
EDSP 498R Special Problems in Teacher Education: The Exceptional Child in the Regular Classroom 3 credits, Grading Method REG/AUD			
0101	TuTh 4:00pm-7:00pm	Bldg. OO, Room 2102	Hebeler, J
Course designed for Maryland state certification.			
EDSP 798 Special Problems in Teacher Education 1-6 credits, Grading Method REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
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 886 Apprenticeship in Special Education 1-9 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 (MATH AND PHYS SCI AND ENG)

ENAE 201 Introduction to Aerospace Engineering 1-2 credits, Grading Method REG/P-F/AUD			
0101	MTuWTh 9:30am-10:50am	Room Arranged	Staff
Prerequisite: ENES 110 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 1-2 credits, Grading Method REG/P-F/AUD			
0201	MTuWTh 8:00am-9:20am	Bldg. J, Room 0110	Jones, E
Prerequisite: ENAE 201 Elements of airplane performance. Principles of airplane stability and control. Basic aerodynamics, including orbital and escape trajectories, flight propulsion fundamentals, propellers, IC engines, jet and rocket engines.			
ENAE 475 Viscous Flow and Aerodynamic Heating 3 credits, Grading Method REG			
0101	MTuWThF 7:30am-8:50am	Bldg. J, Room 0104	Jones, E
Prerequisites: ENAE 371, ENAE 471, and ENME 216. 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 488 Topics in Aerospace Engineering 1-4 credits, Grading Method REG/P-F/AUD			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
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 788 Selected Topics in Aerospace Engineering 1-3 credits, Grading Method REG/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 1-9 credits, Grading Method REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

ENAG

ENGINEERING AGRICULTURAL (AGRI AND LIFE SCI)

ENAG 489 Special Problems in Agricultural Engineering 1-3 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 (MATH AND PHYS SCI AND ENG)

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 588 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 799 Master's Thesis Research 1-6 credits, Grading Method REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

ENCE cont.

ENCE 899 Doctoral Dissertation Research 1-8 credits, Grading Method REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ENGINEERING, CHEMICAL (MATH AND PHYS SCI AND ENG)			
ENCH 215 Chemical Engineering Analysis 3 credits, Grading Method REG/P-F/AUD			
0101	MtWThF 9:30am-10:50am	Bldg. J, Room 1102	Staff
Prerequisite: CHEM 104 Pre- or co-requisite: MATH 141 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 numerical computer methods.			
ENCH 280 Transport Processes I: Fluid Mechanics 2 credits, Grading Method REG/P-F/AUD			
0101	MtWThF 8:00am-9:20am	Bldg. U, Room 2140	Staff
Pre- or co-requisite: fluid properties, fluid statics, flow concepts and basic equations, viscous effects. Applications in measurement of flow, closed conduit flow, packed bed and other chemical engineering systems. Not open to students who already have credit for ENCH 250.			
ENCH 427 Transport Processes III: Mass Transfer 3 credits, Grading Method REG/P-F/AUD			
0201	MtWThF 11:00am-12:20pm	Bldg. U, Room 2140	Staff
Prerequisite: ENCH 425 Steady and unsteady state molecular diffusion, inter-phase transfer, simultaneous heat and mass transfer, boundary layer theory, mass transfer and chemical reaction. Design applications in humidification, gas absorption, distillation, extraction, adsorption and ion exchange.			
ENCH 437 Chemical Engineering Laboratory 3 credits, Grading Method REG/P-F/AUD			
0101	TuTh 12:00pm-6:00pm	Room Arranged	Staff
0102	MW 12:00pm-6:00pm	Room Arranged	Staff
Prerequisites: ENCH 427, ENCH 440, ENCH 442 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 440 Chemical Engineering Kinetics 3 credits, Grading Method REG/P-F/AUD			
0201	MtWThF 2:00pm-3:20pm	Bldg. U, Room 2140	Staff
Prerequisites: ENCH 300, ENCH 325, CHEM 481. Fundamental of chemical reaction kinetics and their application to the design and operation of chemical reactors. Reaction rate theory, homogeneous reactions and catalysis electrochemical reactions, Catalytic reactor design.			
ENCH 442 Chemical Engineering Systems Analysis 3 credits, Grading Method REG/P-F/AUD			
0201	MtWThF 9:30am-10:50am	Bldg. U, Room 2140	Staff
Prerequisites: ENCH 300, ENCH 425 Dynamic response applied to process systems. Goals and modes of control, Laplace transformations, analysis and synthesis of simple control systems, closed loop response, dynamic testing.			
ENCH 458 Research 1-3 credits, Grading Method REG/P-F/AUD			
Section 0101 instructors: Smith, Gomezplata. Section 0201 instructors: Smith, Gomezplata.			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ENCH 648 Special Problems in Chemical Engineering 1-16 credits, Grading Method REG/AUD			
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 1-9 credits, Grading Method REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

ENCO

ENGINEERING, COOPERATIVE EDUCATION (MATH AND PHYS SCI AND ENG)

ENCO 408 Co-Op Internship; Grading Method: P-F			
0101	Time Arranged	Room Arranged	Blair, D

ENEE

ENGINEERING, ELECTRICAL (MATH AND PHYS SCI AND ENG)

ENEE 204 Systems and Circuits I 3 credits, Grading Method REG/P-F/AUD			
Permission of department required. Prerequisite: Math 141 Engineering College only (04).			
0101	Meets JUN 2 to JUL 22	Bldg. J, Room 3106	Staff
Prerequisite: MATH 141. Required of sophomores in electrical engineering. Kirchhoff's laws, linear, nonlinear, and time varying element models. Solution of circuit differential equations, zero input, zero state, and complete response. Coupled elements, ideal transformers, controlled sources. Node and mesh analysis in the time domain.			
ENEE 250 Computer Structures 3 credits, Grading Method REG/P-F/AUD			
Permission of department required. Prerequisite: ENES 240 Engineering college only (04).			
0101	Meets JUN 2 to JUL 22	Bldg. U, Room 2110	Staff
0102	Meets JUN 2 to JUL 22	Bldg. J, Room 1108	Staff
Prerequisites: ENEE 240 or equivalent. Basic structure and organization of digital computers, number systems and data representation, assembly language (some simple assembly language programs will be used), introduction to systems software: gates and memory elements, logic design of simple digital systems, reliability, hardware/software tradeoffs.			
ENEE 300 Principles of Electrical Engineering 3 credits, Grading Method REG/P-F/AUD			
Permission of department required. Prerequisite: MATH 241 and PHYS 262. Engineering College only (04).			
0101	Meets JUN 2 to JUL 22	Bldg. J, Room 2154	Staff
0102	Meets JUN 2 to JUL 22	Bldg. J, Room 2154	Staff
Prerequisites: ENEE 101, PHYS 263. Co-requisite: 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. 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; Grading Method: REG/P-F/AUD			
Permission of department required. Co-requisite: ENEE 300. Engineering College only (04).			
0101	Meets JUN 2 to JUL 22	Bldg. S, Room 0122	Staff
0102	Meets JUN 2 to JUL 22	Bldg. S, Room 0122	Staff
Co-requisite: ENEE 300. Experiments on the transient and steady-state response of linear circuits, electric machines, electron tubes and semi-conductor devices.			

ENEE cont.

ENEE 304	Systems and Circuits III 3 credits. Grading Method: REG P-F A/D Permission of department required. Prerequisite: ENEE 204. Co-requisite MATH 246. ENEE majors only (09090).		
0101	Meets JUN 2 to JUL 22 MTuWTh 9:30am-10:50am	Bldg J, Room 0110	Staff
Prerequisite: ENEE 204. Pre- or co-requisite MATH 246. Sinusoidal analysis. General mesh and node analysis. Analysis by Laplace transforms, network functions, network theorems. Two-port theory, controlled sources, small-signal analysis of semiconductor devices. Fourier series.			
ENEE 305	Fundamental Laboratory 2 credits. Grading Method: REG P-F A/D Permission of department required. Prerequisite: ENEE 204. ENEE majors only (09090).		
0101	Meets JUN 2 to JUL 22 MW 12:30pm-1:30pm MW 1:30pm-4:30pm	Bldg J, Room 3114 Bldg S, Room 0132 (LAB)	Staff
0102	Meets JUN 2 to JUL 22 TuTh 12:30pm-1:30pm TuTh 1:30pm-4:30pm	Bldg J, Room 3114 Bldg S, Room 0132 (LAB)	Staff
Prerequisite: ENEE 204. Concepts and techniques of physical measurements 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.			
ENEE 314	Electronic Circuits 3 credits. Grading Method: REG P-F A/D Permission of department required. Prerequisite: ENEE 304. ENEE majors only (09090) only.		
0101	Meets JUN 2 to JUL 22 MTuWTh 8:00am-9:20am	Bldg U, Room 2108	Staff
Prerequisite: ENEE 304. 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 integrated logic circuits; bistable multivibrators and applications in counters, registers and selected digital networks.			
ENEE 380	Electromagnetic Theory 3 credits. Grading Method: REG P-F A/D Permission of department required. Prerequisite: MATH 241 and PHYS 263. ENEE majors only (09090).		
0101	Meets JUN 2 to JUL 22 MTuWTh 8:00am-9:20am	Bldg J, Room 3110	Staff
Prerequisites: MATH 241 and PHYS 263. Introduction to electromagnetics, fields, Coulomb's law, Gauss's law, electric potential, dielectric materials, capacitance, boundary value problems, Biot-Savart law, Ampere's law, Lorentz force equation, magnetic materials, magnetic circuits, inductance, time varying fields and Maxwell's equations.			
ENEE 413	Electronics Laboratory 2 credits. Grading Method: REG P-F A/D Permission of department required. Prerequisite: ENEE 305 and co-requisite ENEE 314. ENEE majors only (09090).		
0101	Meets JUN 2 to JUL 22 MW 12:30pm-1:30pm MW 1:30pm-4:30pm	Bldg S, Room 1133 Bldg S, Room 0122A (LAB)	Staff
0102	Meets JUN 2 to JUL 22 TuTh 12:30pm-1:30pm TuTh 1:30pm-4:30pm	Bldg S, Room 1133 Bldg S, Room 0122A (LAB)	Staff
Prerequisite: ENEE 314. 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.			
ENEE 418	Projects in Electrical Engineering 1-3 credits. Grading Method: REG P-F A/D Permission of department required.		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ENEE 419	Apprenticeship in Electrical Engineering 2-3 credits. Grading Method: REG P-F A/D Permission of department required.		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ENEE 440	Microprocessors 3 credits. Grading Method: REG P-F A/D		
0101	Meets JUN 2 to JUL 22 MTuWTh 9:30am-10:50am	Bldg J, Room 2112	Staff
0102	Meets JUN 2 to JUL 22 MTuWTh 11:00am-12:20pm	Bldg J, Room 2112	Staff
Prerequisite: ENEE250. Microprocessor architectures, instruction sets, assembly language programming, memory organization, I/O interfacing (programmed, DMA, interrupt), serial interfaces, IAD and D/A converters, keyboard, display, floppy disc, etc.)			
ENEE 444	Logic Design of Digital Systems 3 credits. Grading Method: REG P-F A/D Permission of department required. Prerequisite: ENEE 250. ENEE majors only (09090).		
0101	Meets JUN 2 to JUL 22 MTuWTh 8:00am-9:20am	Bldg Z, Room 1412	Staff
Prerequisite: ENEE 250. 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.			
ENEE 608G	Graduate Seminar 1-3 credits. Grading Method: REG A/D Permission of department required.		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ENEE 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
ENEE 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

(MATH AND PHYS SCI AND ENG)

ENES 101	Introductory Engineering Science 3 credits. Grading Method: REG P-F A/D		
0101	MTuWThF 7:40am-9:20am	Bldg J, Room 0110	Staff
0102	MTuWThF 7:40am-9:20am	Bldg J, Room 0110	Staff
0103	MTuWThF 7:40am-9:20am	Bldg J, Room 0108	Staff
0202	MTuWThF 7:40am-9:20am	Bldg J, Room 1126	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 A/D Permission of department required. Prerequisite: permission of dean required. High School students only.		
0101	MTuWTh 9:00am-12:00pm	Bldg J, Room 1106	Staff
ENES 110	Statics 3 credits. Grading Method: REG P-F A/D		
0101	MTuWThF 10:00am-10:50am	Bldg J, Room 1202	Staff
0102	MWF 8:00am-9:20am	Bldg J, Room 1104 (DIS)	Staff
0103	MWF 8:00am-9:20am	Bldg J, Room 1202	Staff
0104	MWF 8:00am-9:20am	Bldg J, Room 1120 (DIS)	Staff
Co-requisite: MATH 141. The equilibrium of stationary bodies under the influence of various kinds of forces. Forces, moments, couples, equilibrium, trusses, frames and machines, centroids, moment of inertia, beams, and friction. Vector and scalar methods are used to solve problems.			

ENES cont.

ENES 121A	The Men-Made World 3 credits. Grading Method: REG P-F A/D Meets USP Distributive Studies (B) Cultural, Sciences and Mathematics requirement. Permission of department required. Prerequisite: permission of dean required. High School students only.		
0201	TuTh 9:00am-12:00pm	Bldg J, Room 1120	Staff
ENES 220	Mechanics of Materials 3 credits. Grading Method: REG P-F A/D		
0101	MTuWTh 8:00am-9:20am	Bldg J, Room 0135	Staff
0102	MTuWTh 11:00am-12:20pm	Bldg J, Room 0135	Staff
Prerequisites: MATH 141, PHYS 161, and ENES 110. 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 A/D		
0101	MTuWThF 6:00am-8:50am	Bldg J, Room 1202	Staff
0102	MWF 9:30am-10:50am	Bldg J, Room 3110 (DIS)	Staff
0103	MWF 9:30am-10:50am	Bldg J, Room 1202	Staff
0104	MWF 9:30am-10:50am	Bldg J, Room 1126 (DIS)	Staff
Prerequisite: ENES 110. Pre- or co-requisite MATH 241 and PHYS 262. 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 or in space.			
ENES 240	Engineering Computation 3 credits. Grading Method: REG P-F A/D Permission of department required. Prerequisite: MATH 141- ENES 101. College of Engineering only (04).		
0101	Meets JUN 2 to JUL 22 MTuWTh 9:30am-10:50am	Bldg J, Room 0108	Staff
Prerequisite: MATH 141. Introduction to the design and implementation of algorithms to solve engineering problems using digital computers. Analysis of problems fundamental to engineering design: construction of a flowchart, algorithmic description of effective procedures for solving them and implementing and testing 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 economical output presentation.			
ENES 405	Power and the Environment 3 credits. Grading Method: REG P-F A/D		
0101	MTuWTh 12:30pm-1:50pm	Bldg J, Room 1126	Staff
Intended for seniors not majoring in engineering. Not applicable as a technical elective for engineering students. An introduction to the problems of power. The interrelationship between man's use of energy and the effect on the eco-system. Introduction to the techniques of power production with special emphasis on nuclear fueled power plants.			

ENGL

(ARTS AND HUMANITIES)

ENGL 101	Introduction to Writing 3 credits. Grading Method: REG		
0101	MTuWThF 8:00am-9:20am	Bldg RR, Room 0117	Pearson B
0102	MTuWThF 9:20am-10:50am	Bldg RR, Room 0117	Joyce J
0103	MTuWThF 9:20am-10:50am	Bldg RR, Room 0120	Van Eymond, P
0104	MTuWThF 11:00am-12:20pm	Bldg RR, Room 0121	Kleine, D
0201	MTuWThF 8:00am-9:20am	Bldg RR, Room 0117	Staff
0202	MTuWThF 9:20am-10:50am	Bldg J, Room 2108	Fry, G
0203	MTuWThF 11:00am-12:20pm	Bldg AS, Room 3217	Staff
An introductory course in expository writing.			
ENGL 101X	Introduction to Writing 3 credits. Grading Method: REG Limited to students for whom English is a second language. To register for ENGL 101X a student must first demonstrate competence in English. Proof of one of the following should be brought to A 0139 (X 4160) or W 1104 (X 6545): 1. A TOEFL score of 550 with no score below 50; 2. A CETL score of 220 with no subject score below 50 and a rating of 5 or better on the writing sample; 3. Successful completion of UMEEI 005. Advanced English as a Foreign Language, Semi-intensive.		
0101	Meets JUN 9 to AUG 15 MWF 11:00am-12:30pm	Bldg O, Room 1136	Staff
ENGL 201	World Literature 3 credits. Grading Method: REG P-F A/D Meets USP Distributive Studies (C) Literature and the Arts requirement.		
0101	MTuWThF 8:00am-9:20am	Bldg RR, Room 0123	Hamilton G
Home to the Renaissance. Intercourse classes being read in translation.			
ENGL 205	Introduction to Shakespeare 3 credits. Grading Method: REG P-F A/D Meets USP Distributive Studies (C) Literature and the Arts requirement.		
0101	MTuWThF 9:30am-10:50am	Bldg RR, Room 0121	Hamilton D
Reading of selected representative plays including the major tragedies. Recommended for non-majors.			
ENGL 222	American Literature: 1865 to Present 3 credits. Grading Method: REG P-F A/D Meets USP Distributive Studies (C) Literature and the Arts requirement.		
0101	MTuWThF 11:00am-12:20pm	Bldg A, Room 2126	Lawson L
ENGL 246	The Short Story 3 credits. Grading Method: REG P-F A/D Meets USP Distributive Studies (C) Literature and the Arts requirement.		
0101	MTuWThF 11:00am-12:20pm	Bldg RR, Room 0205	Purmy S
0201	MTuWThF 11:00am-12:20pm	Bldg LL, Room 0128	Birdsall E
ENGL 304	The Major Works of Shakespeare 3 credits. Grading Method: REG P-F A/D Meets USP Distributive Studies (C) Literature and the Arts requirement.		
0101	MTuWThF 9:30am-10:50am	Bldg A, Room 0135	Cooper Jr S
Students who have credit for ENGL 401 or 404 cannot receive credit for ENGL 304.			
ENGL 378	Independent Research in English 1-6 credits. Grading Method: REG P-F A/D Permission of department required.		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
ENGL 379E	Special Topics in Literature: Film Analysis - The Rhetoric of Fictional Worlds 3 credits. Grading Method: REG P-F A/D Meets USP Advanced Studies Development of Knowledge requirement.		
0101	TuTh 6:30pm-10:00pm	Bldg A, Room 0124	Melter J
0201	TuTh 6:30pm-10:00pm	Bldg A, Room 0102	Melter J
ENGL 379J	Special Topics in Literature: Interpreting the Bible 3 credits. Grading Method: REG P-F A/D Meets USP Advanced Studies Development of Knowledge requirement.		
0101	MW 7:00pm-10:00pm	Bldg RR, Room 0126	Handelman S
Investigates the ways that the Bible has been read as well as a variety of disciplines through history. The traditional religious way of reading the Bible; The Higher Biblical criticism as a reflection of 19th century historical and literary; modern readings of the Bible including psychoanalytic, structuralist, anthropological, and scientific interpretations. Prerequisite: completion of two literature courses.			
ENGL 380	Internship 3-6 credits. Grading Method: REG P-F A/D Permission of department required.		
0201	Time Arranged	Room Arranged	Bleckley B
Pre- or co-requisite ENGL 381 or 382, and consent of department. The English Department internship program. Preprofessional experience in writing and editing in a variety of fields.			
ENGL 391	Advanced Composition 3 credits. Grading Method: REG		
0101	MTuWThF 8:00am-9:20am	Bldg A, Room 2126	Lewand, T
0102	MTuWThF 8:00am-9:20am	Bldg A, Room 2126	Sedel, K
0103	MTuWThF 9:30am-10:50am	Bldg A, Room 2137	Bennett, M
0104	MTuWThF 9:30am-10:50am	Bldg A, Room 0135	Myers, R
0105	MTuWThF 9:30am-10:50am	Bldg A, Room 0103	Dillon, G
0106	MTuWThF 11:00am-12:20pm	Bldg RR, Room 0117	Staff
0201	MTuWThF 8:00am-9:20am	Bldg RR, Room 0121	Staff
0202	MTuWThF 9:30am-10:50am	Bldg AS, Room 3219	Rutherford, C
0203	MTuWThF 9:30am-10:50am	Bldg AS, Room 3219	Salamanca, J

ENGL cont.

0205	MTuWThF 11:00am-12:20pm	Bldg. RR, Room 0121	Staff
0206	TuWThF 11:00am-12:20pm	Bldg. RR, Room 0116	Staff
Prerequisite: 6 hours of college credit. An advanced composition course with emphasis on clarity and logic of construction in the writing and revision of short papers on topics related to the student's major, written in a style for the non-specialized reader. A research exercise coordinated with the student's discipline is required.			
ENGL 393	Technical Writing 3 credits, Grading Method: REG		
0101	MTuWThF 8:00am-9:20am	Bldg. RR, Room 0124	Staff
0102	MTuWThF 9:00am-10:20am	Bldg. RR, Room 0121	Demarech, C
0103	MTuWThF 9:30am-10:50am	Bldg. RR, Room 0123	Auerbach, J
0104	MTuWThF 9:30am-10:50am	Bldg. RR, Room 0124	Dober, H
0202	MTuWThF 11:00am-12:20pm	Bldg. A, Room 0124	Robinson, J
0107	MTuWThF 11:00am-12:20pm	Bldg. A, Room 2110	Staff
0201	MTuWThF 8:00am-9:20am	Bldg. RR, Room 0116	Staff
0202	MTuWThF 8:00am-9:20am	Bldg. A, Room 2120	Staff
0203	MTuWThF 9:30am-10:50am	Bldg. RR, Room 0121	Dungey, K
0204	MTuWThF 9:30am-10:50am	Bldg. A, Room 2126	Slater, W
0206	MTuWThF 11:00am-12:20pm	Bldg. SSB, Room 1208	Staff
0207	MTuWThF 11:00am-12:20pm	Blg. AS, Room 3219	Staff

Prerequisite: satisfactory completion of 56 credits, which must include ENGL 101 or equivalent. The writing of scientific papers and reports. This course or ENGL 391 is required of students who entered the University in Summer 1978 or thereafter, unless exempt by University regulations. Not open to students who have credit for ENGL 393.

ENGL 393X Technical Writing 3 credits, Grading Method: REG

For students for whom English is a second language

0101	Meets JUN 10 to AUG 16		
	MWF 11:00am-12:30pm	Bldg. SSB, Room 2123	Staff
0102	Meets JUN 10 to AUG 16		
	MWF 11:00am-12:30pm	Bldg. A, Room 2108	Staff
ENGL 420	Literature of the Romantic Period 3 credits, Grading Method: REG		
	Meets USP Advanced Studies Development of Knowledge requirement.		
0101	MTuWThF 8:00am-9:20am	Bldg. A, Room 2110	Howard, J
	First generation Blake, Wordsworth, Coleridge, Keats.		

ENGL 453 Literary Criticism 3 credits, Grading Method: REG-P-F-AUD

Meets USP Advanced Studies Development of Knowledge requirement. Prerequisite: completion of two literature courses.

0201	MTuWThF 9:30am-10:50am	Bldg. O, Room 1128	Barry, J
ENGL 454	Modern Drama 3 credits, Grading Method: REG-P-F-AUD		
0101	MTuWThF 9:30am-10:50am	Bldg. A, Room 2110	Freedman, M
ENGL 457	The Modern Novel 3 credits, Grading Method: REG-P-F-AUD		
0201	MTuWThF 11:00am-12:20pm	Bldg. RR, Room 0117	Staff
ENGL 466	Arthurian Legend 3 credits, Grading Method: REG-P-F-AUD		
0101	MTuWThF 11:00am-12:20pm	Bldg. RR, Room 0120	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

0201	MTuWThF 11:00am-12:20pm	Bldg. A, Room 2126	James, E
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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 3 credits, Grading Method: REG

0201	TuTh 10:00am-1:00pm	Bldg. RR, Room 0119	Russell, J
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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 (MATH AND PHYS SCI AND ENG)

ENMA 638 **Special Problems in Engineering Materials 1-16 credits, Grading Method: REG-AUD**

0101	Time Arranged	Room Arranged	Arsenaull, R
0201	Time Arranged	Room Arranged	Arsenaull, R

ENMA 799 **Master's Thesis Research 1-6 credits, Grading Method: REG**

0101	Time Arranged	Room Arranged	Arsenaull, R
0201	Time Arranged	Room Arranged	Arsenaull, R

ENMA 899 **Doctoral Dissertation Research 1-8 credits, Grading Method: REG**

0101	Time Arranged	Room Arranged	Arsenaull, R
0201	Time Arranged	Room Arranged	Arsenaull, R

ENME

ENGINEERING, MECHANICAL (MATH AND PHYS SCI AND ENG)

ENME 205 **Engineering Analysis and Computer Programming 3 credits, Grading Method: REG-P-F-AUD**

0101	MTuWThF 11:00am-12:20pm	Bldg. J, Room 0108	Staff
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Pre- or co-requisite: MATH 241 Continuation of computer programming techniques, flowcharts, algorithms, and computer languages. Introduction to numerical techniques and error analysis in solving for roots of equations, simultaneous equations, interpolation, numerical differentiation and integration, numerical solution of differential equations. Applications to engineering problems.

ENME 217 **Thermodynamics 3 credits, Grading Method: REG-P-F-AUD**

0101	MTuWThF 8:00am-9:20am	Bldg. J, Room 1106	Staff
0102	MTuWThF 11:00am-12:20pm	Bldg. J, Room 1108	Staff

Prerequisites: PHYS 262, MATH 141 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 300 **Materials Science and Engineering 3 credits, Grading Method: REG-P-F-AUD**

0101	MTuWThF 8:00am-9:20am	Bldg. J, Room 1108 (LAB)	Staff
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Prerequisite: ENES 230. Basic principles, nature and properties of engineering materials. Processes and methods to manufacture and usefully apply engineering materials. Fabrication techniques for metals, polymers, and refractories. Students who have credit for ENME 300 may not take ENMA 300 for credit.

ENME 301 **Materials Engineering Laboratory 3 credits, Grading Method: REG-P-F-AUD**

0101	MTuWThF 12:30pm-3:30pm	Bldg. J, Room 124 (LAB)	Staff
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Pre- or co-requisite: ENME 300. Fatigue, tensile and impact testing, heat treatment and hardenability, structure and properties of steels, case studies. Students who have credit for ENME 301 may not take ENMA 301 for credit.

ENME cont.

ENME 315 **Intermediate Thermodynamics 3 credits, Grading Method: REG-P-F-AUD**

0101	MTuWThF 9:30am-10:50am	Bldg. J, Room 1104	Staff
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Prerequisite: ENME 342. Application of the first and second laws of thermodynamics in the analysis of basic heat engines, air compression and vapor cycles. Heat sources in fossil fuels and nuclear fuels. The thermodynamics of fluid flow.

ENME 320 **Thermodynamics 3 credits, Grading Method: REG-P-F-AUD**

0101	MTuWThF 9:30am-10:50am	Bldg. J, Room 0135	Staff
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Prerequisite: ENME 342. The properties characteristics and fundamental equations of gases and vapors. Application of the first and second laws of thermodynamics in the analysis of basic heat engines, air compression vapor cycles. Flow and non-flow processes for gases and vapors.

ENME 321 **Transfer Processes 3 credits, Grading Method: REG-P-F-AUD**

0101	MTuWThF 11:00am-12:20pm	Bldg. J, Room 1104	Staff
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Prerequisite: ENME 342. Conduction by steady state, transient heat flow. Laminar and turbulent flow. Free and forced convection, radiation, evaporation and condensation vapors. Transfer of mass heat and momentum.

ENME 342 **Fluid Mechanics 1 3 credits, Grading Method: REG-P-F-AUD**

0101	MTuWThF 11:00am-12:20pm	Bldg. J, Room 1126	Staff
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Prerequisite: ENME 217. 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 3 credits, Grading Method: REG-P-F-AUD**

0101	WTh 12:30pm-3:30pm	Bldg. J, Room 3106 (LAB)	Staff
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One laboratory a week. Laboratory to be taken concurrently with ENME 342. Measurement of fluid properties, determination of pressure drops in pipes and fittings, observation of fluid phenomena. Experiment and demonstration of flow measurement techniques.

ENME 360 **Dynamics of Machinery 3 credits, Grading Method: REG-P-F-AUD**

0101	MTuWThF 8:00am-9:20am	Bldg. J, Room 3106	Staff
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Prerequisites: ENES 221 and MATH 246. Dynamic characteristics of machines with emphasis on systems with single and multiple degree of freedom.

ENME 381 **Measurements Laboratory 3 credits, Grading Method: REG-P-F-AUD**

0101	TuTh 12:30pm-3:30pm	Bldg. J, Room 1120	Staff
0102	TuTh 12:30pm-3:30pm	Bldg. J, Room 2104	Staff
0103	TuTh 2:00pm-5:30pm	Bldg. J, Room 2104 (LAB)	Staff

Prerequisites: ENME 161 and ENEE 301. Required of majors 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	MTuWThF 12:30pm-3:30pm	Bldg. J, Room 1120	Staff
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Prerequisite: ENME 300, 360 Working stresses, stress concentration, stress analysis and repeated loadings. Design of machine elements. Kinematics of mechanisms.

ENME 403 **Automatic Control 3 credits, Grading Method: REG-P-F-AUD**

0101	MTuWThF 8:00am-9:20am	Bldg. J, Room 2154	Staff
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Prerequisite: ENEE 300, sensor standing in mechanical engineering. Application of thermodynamics, fluid mechanics and heat transfer to energy conversion processes. Design of engines, compressors, heat exchangers. Energy storage and fluid handling equipment.

ENME 414 **Computer-Aided Design 3 credits, Grading Method: REG-P-F-AUD**

0101	MTuWThF 9:30am-10:50am	Bldg. S, Room 1101	Staff
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Prerequisites: ENME 205, MATH 241 or equivalents. 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 3 credits, Grading Method: REG-P-F-AUD**

0101	Time Arranged	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

ENGINEERING, NUCLEAR (MATH AND PHYS SCI AND ENG)

ENNU 215 **Introduction to Nuclear Technology 3 credits, Grading Method: REG-P-F-AUD**

0101	MTuWThF 9:30am-10:50am	Bldg U, Room 2140	Staff
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ENNU 315 **Intermediate Nuclear Technology 3 credits, Grading Method: REG-P-F-AUD**

0101	MTuWThF 9:30am-10:50am	Bldg O, Room 1308	Staff
0201	MTuWThF 9:30am-10:50am	Bldg O, Room 1308	Staff

ENNU 468 **Research 2-3 credits, Grading Method: REG-P-F-AUD**

0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

ENNU 648 **Special Problems in Nuclear Engineering 1-16 credits, Grading Method: REG-AUD**

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

ENTM (AGRI AND LIFE SCI)

ENTM 100 **Insects 3 credits, Grading Method: REG-P-F-AUD**

0101	MTuWThF 9:30am-10:50am	Bldg O, Room 1308	Staff
0201	MTuWThF 9:30am-10:50am	Bldg O, Room 1308	Staff

A survey of the major groups of insects, their natural history, and their relationships with man and his environment.

ENTM 390 **Special Problems 1-2 credits, Grading Method: REG-P-F-AUD**

0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

ENTM cont.

ENTM 699	Advanced Entomology 1-6 credits, Grading Method: REG/AUD		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
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 (AGRI AND LIFE SCI)**

FDSC 399	Special Problems in Food Science 1-3 credits, Grading Method: REG/P-F/AUD		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
FDSC 899	Special Problems in Food Science 1-4 credits, Grading Method: REG/AUD		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
FDSC 799	Master's Thesis Research 1-6 credits, Grading Method: REG		
0101	Time Arranged	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 AND COMMUNITY RES)

FMCD 250	Decision Making In Families and Communities 3 credits, Grading Method: REG/P-F/AUD		
Meets USP Dignitutive Studies (D) Social and Behavioral Sciences requirement.			
0101	TuTh 9:30am-12:30pm	Bldg H, Room 1206	Hanna, W
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 330	Family Patterns 3 credits, Grading Method: REG/P-F/AUD		
Meets USP Distributive Studies (A) Cultural and Historical requirement			
0101	TuTh 6:00pm-9:00pm	Bldg H, Room 1314	Leslie, L
0201	MWF 2:00pm-4:00pm	Bldg H, Room 1400	Zeiger, R
Theory and research on the family, including a cross-cultural analysis of family patterns			
FMCD 332	The Child In the Family 3 credits, Grading Method: REG/P-F/AUD		
0101	MW 1:00pm-4:00pm	Bldg H, Room 1314	Milstein, F
Prerequisite: FMCD 105 or PSYC 100. 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 3-12 credits, Grading Method: REG/P-F/AUD		
0101	Meets JUN 2 to AUG 22	Room Arranged	Milstein, F
Time Arranged			
FMCD 349	Analysis of Practicum 1-2 credits, Grading Method: REG/P-F/AUD		
0101	Meets JUN 2 to AUG 22	Bldg H, Room 1206	Milstein, F
M 10:00am-12:00pm			
FMCD 381	Poverty and Affluence Among Families and Communities 3 credits, Grading Method: REG/P-F/AUD		
Meets USP Advanced Studies Analysis of Human Problems requirement			
0101	MW 9:30am-12:30pm	Bldg J, Room 3114	Hula, R
Prerequisite: FMCD 201 or SOCY 100 or SOCY 105. Social, political, economic interrelations among families and communities with respect to various social classes.			
FMCD 386	Field Work 1-3 credits, Grading Method: REG/P-F/AUD		
Permission of department required. Must be taken concurrently with FMCD 387.			
0101	Time Arranged	Room Arranged	Rubin, R
0201	Time Arranged	Room Arranged	Rubin, R
FMCD 387	Field Work Analysis 1-3 credits, Grading Method: REG/P-F/AUD		
Permission of department required. Must be taken concurrently with FMCD 386.			
0101	Time Arranged	Room Arranged	Rubin, R
0201	Time Arranged	Room Arranged	Rubin, R
FMCD 399	Independent Study 1-6 credits, Grading Method: REG/P-F/AUD		
Permission of department required.			
0101	Time Arranged	Room Arranged	Rubin, R
0201	Time Arranged	Room Arranged	Rubin, R
Individualized family and community studies, projects of interest to student and faculty.			
FMCD 431	Family Crises and Intervention 3 credits, Grading Method: REG/P-F/AUD		
0101	TuTh 2:00pm-5:00pm	Bldg H, Room 3418	Epstein, N
Prerequisite: PSYC 100. Family crises such as divorce, disability, substance abuse, financial problems, marital/family 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	MTuWThF 9:30am-10:50am	Bldg Q, Room 1136	Churaman, C
Prerequisite: ECON 201 or 205, or consent of instructor. Study of individual and family financial strategies with particular emphasis upon financial planning, savings, insurance, investments, income taxes, housing, and use of credit.			
FMCD 460	Violence In the Family 3 credits, Grading Method: REG/P-F/AUD		
0101	MW 6:30pm-9:30pm	Bldg H, Room 1206	Anderson, E
Prerequisite: PSYC 100 or SOCY 100 or FMCD 487. 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 485	Introduction to Family Counseling 3 credits, Grading Method: REG/P-F/AUD		
0101	TuTh 1:00pm-4:00pm	Bldg H, Room 1400	Leitch, L
Prerequisites: FMCD 431, PSYC 331, PSYC 335, or permission of instructor. The fundamental theoretical concepts and clinical procedures that are unique to marital and family therapy. Individually-oriented test psychotherapy. Pre-marital, marital and family, and divorce counseling techniques.			
FMCD 487	Legal Aspects of Family Problems 3 credits, Grading Method: REG/P-F/AUD		
Meets USP Advanced Studies Analysis of Human Problems requirement			
0101	MW 6:00pm-9:00pm	Bldg H, Room 0108	Myricks, N
Prerequisites: FMCD 105 or SOCY 105. Laws and legal procedures, with emphasis on adoption, marriage, divorce, annulment, and property rights, and how they affect family life.			
FMCD 497	The Child and the Law 3 credits, Grading Method: REG/P-F/AUD		
Meets USP Advanced Studies Analysis of Human Problems requirement			
0101	TuTh 6:00pm-9:00pm	Bldg H, Room 1400	Myricks, N
Legislation and case law regarding children's legal rights, with emphasis on the rights of children in the juvenile justice system, and rights to medical, educational, and other social services.			

FMCD cont.

FMCD 499G	Special Topics: Gender and Ethnicity Issues in Family Therapy 3 credits, Grading Method: REG/P-F/AUD		
Prerequisite: FMCD 485			
0101	TuTh 2:00pm-5:00pm	Bldg H, Room 1304	Leslie, L
FMCD 499T	Special Topics: Introduction to Microcomputers in Family and Community 3 credits, Grading Method: REG		
0101	MW 2:00pm-5:00pm	Bldg H, Room 0108	Hula, R
Seminar provides overview of applications of microcomputers to FMCD and related fields. Focuses on student design applications program to be written in BASIC. No computer experience required.			
FMCD 689	Internship in Family and Community Development 1-9 credits, Grading Method: REG/AUD		
Permission of department required.			
0101	Time Arranged	Room Arranged	Rubin, R
0201	Time Arranged	Room Arranged	Rubin, R
Internship selected 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 in Family Therapy 3 credits, Grading Method: REG/AUD		
Prerequisite: FMCD 485			
0101	TuTh 2:00pm-5:00pm	Bldg H, Room 1304	Leslie, L
FMCD 698L	Advanced Topics in Family and Community Development: Violence in the Family 3 credits, Grading Method: REG/AUD		
0101	MW 6:30pm-9:30pm	Bldg H, Room 1206	Anderson, E
FMCD 698T	Advanced Topics in Family and Community Development: Introduction to Microcomputers in Family and Community 3 credits, Grading Method: REG		
0101	MW 2:00pm-5:00pm	Bldg H, Room 0108	Hula, R
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

(HUMAN AND COMMUNITY RES)

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 9:30am-10:50am	Bldg H, Room 1304	Richardson, S
A study of food in contemporary living conditions, social, cultural and aesthetic implications of food. Selection and use of food in relation to eating habits and well-being of the individual.			
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

(ARTS AND HUMANITIES)

FREN 101	Elementary French 4 credits, Grading Method: REG/P-F/AUD		
Meets USP Distributive Studies (A) Cultural and Historical requirement.			
0101	MTuWThF 9:00am-11:00am	Bldg LL, Room 3118	Barrabini, M
0201	MTuWThF 1:00pm-3:00pm	Bldg LL, Room 3118	Dematre, A
Introduction to basic structures and pronunciation.			
FREN 102	Elementary French 4 credits, Grading Method: REG/P-F/AUD		
Meets USP Distributive Studies (A) Cultural and Historical requirement.			
0101	MTuWThF 9:00am-11:00am	Bldg LL, Room 2207	Verdaguer, P
0201	MTuWThF 10:30am-1:00pm	Bldg LL, Room 2125	Siefker, S
Completion of basic structures with emphasis on reading and speaking skills.			
FREN 103	Review of Elementary French 4 credits, Grading Method: REG/P-F/AUD		
Meets USP Distributive Studies (A) Cultural and Historical requirement.			
0101	MTuWThF 9:00am-11:00am	Bldg LL, Room 2207	Fink, B
Limited to students who have had at least two years of high school French (or equivalent) or who do not qualify for FREN 104. Students may not receive credit for both Fren 101/102 and 103.			
FREN 104	Intermediate French 4 credits, Grading Method: REG/P-F/AUD		
Meets USP Distributive Studies (A) Cultural and Historical requirement.			
0101	MTuWThF 6:00pm-10:00pm	Bldg LL, Room 3125	Staff
0201	MTuWThF 1:00pm-3:00pm	Bldg LL, Room 3120	Staff
Grammar review with extended reading, discussion, and composition. Fulfills the arts and humanities language requirement.			
FREN 201	Review Grammar and Composition 3 credits, Grading Method: REG/P-F/AUD		
Students may register for FREN 201 or 211 but not both.			
0201	MTuWThF 11:00am-12:20pm	Bldg LL, Room 3118	Dematre, A
Prerequisite: FREN 104 or consent of chairman's consent. An intensive review of major aspects of contemporary grammatical usage; training in comprehension and an introduction to guided composition.			
FREN 201H	Review Grammar and Composition 3 credits, Grading Method: REG/P-F/AUD		
Students may register for FREN 201H or 211H but not both.			
0201	MTuWThF 11:00am-12:20pm	Bldg LL, Room 3118	Dematre, A
FREN 211	Intermediate Conversation 3 credits, Grading Method: REG/P-F/AUD		
Students may register for FREN 211 or 201H but not both.			
0201	MTuWThF 11:00am-12:20pm	Bldg LL, Room 3118	Dematre, A
Prerequisite: FREN 104 or consent of course chairman. Practice in spoken French with emphasis on contemporary French topics. Not open to native speakers.			
FREN 211H	Intermediate Conversation 3 credits, Grading Method: REG/P-F/AUD		
Students may register for FREN 211H or 201H but not both.			
0201	MTuWThF 11:00am-12:20pm	Bldg LL, Room 3118	Dematre, A
FREN 312	French Conversation: Current Cultural Events 3 credits, Grading Method: REG/P-F/AUD		
Meets USP Distributive Studies (A) Cultural and Historical requirement. Students may register for FREN 312 or 404 but not both.			
0201	Meets JUL 14 to AUG 10	Bldg LL, Room 3120	Therrien, M
Vocabulary development to the level of the contemporary French press. Not open to native speakers of French.			
FREN 340	Modern French Literature in Translation 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 LL, Room 1224	MacBain, W
This course is designed to introduce students to major works of French literature. Novels and plays including: Moliere, Balzac, Flaubert, Lucean, and others. In English. Satisfies USP Distributive Studies Area C. A survey of major authors and movements of French literature from pre-revolutionary France to the present. All work in English.			

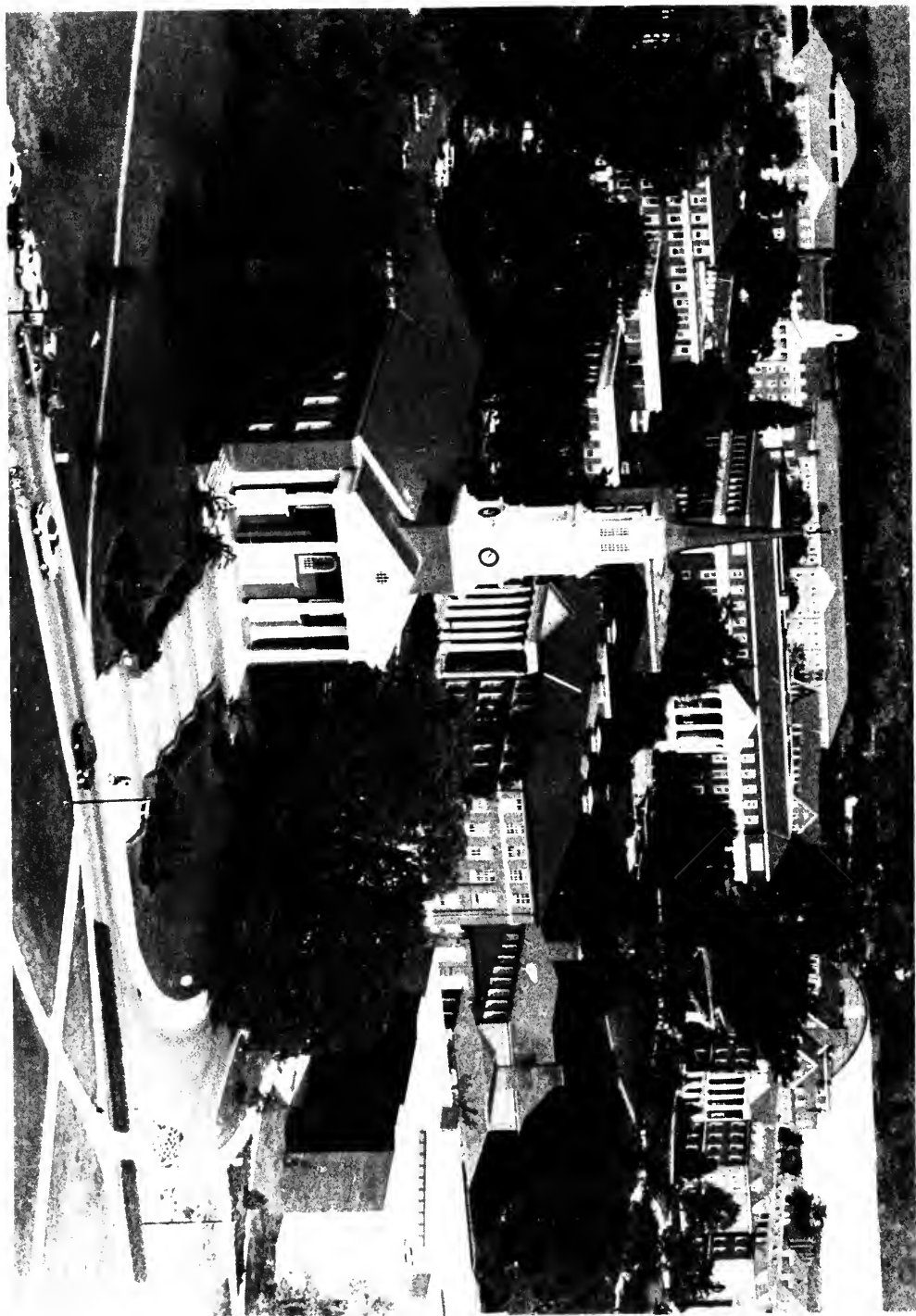
FREN cont.

FREN 370	Aspects of French Civilization 3 credits; Grading Method: REG-P-FAUD Meets USP Distributive Studies (A) Cultural and Historical requirement. Permission of department required.			
0101	MTUWTFH 11:00am-12:20pm	Bldg. LL, Room 3120	Verdaguer, P	
			Political, social, intellectual, and literary forces shaping contemporary France, from the French revolution to the present. Taught in English. Credit may not be counted toward a French major. Credit not allowed for both FREN 370 and FREN 472.	
FREN 386	Field Work 1-3 credits; Grading Method: REG-P-F-FAUD 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-FAUD Permission of department required. Taken concurrently with 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-FAUD Students may register for FREN 404 or 312 but not both.			
0201	Meets JUL 14 to AUG 9 MTUWTFH 11:00am-1:00pm	Bldg. LL, Room 3120	Themen, M	
			Prerequisites: FREN 311 and FREN 312, or consent of the instructor. Development of fluency in French, stress on correct sentence structure and idiomatic expression. Credit may not be applied toward the major or minor in French.	
FREN 478C	Themes and Movements of French Literature in Translation: Conflict between Individual and Society in French Literature 3 credits; Grading Method: REG-P-F-FAUD Meets USP Advanced Studies Analysis of Human Problems requirement. This course does not count towards a major in French.			
0201	MTUWTFH 11:00am-12:20pm	Bldg. LL, Room 1215	MacBain, W	
			In English. An examination of how major French writers confront the question of the conflicting demands made by the individual, on the one hand, and society on the other. Students will be required to examine the issues raised and give reasoned critiques of the attitudes expressed.	
FREN 479A	Masterworks of French Literature in Translation: The Age of Anxiety - The Literature of Existentialism and Absurdism 3 credits; Grading Method: REG-P-F-FAUD Meets USP Advanced Studies Analysis of Human Problems requirement. This course does not count towards a major in French.			
0201	MTUWTFH 9:30am-10:50am	Bldg. LL, Room 3118	Demaître, A	
			Readings and discussion of masterworks of 20th Century French Literature with a focus on the dominant theme of anxiety and related themes such as alienation, nihilism, revolt and the search for a new ethic. Authors include Gide, Malraux, Sartre, Camus, Beckett, Ionesco. Works are analyzed primarily as a reflection of philosophical ideas and historical events that have led to an awareness of the absurd and the formulation of an existentialist outlook.	
FREN 498	Special Topics in French Literature: Aspects de la Civilisation Française 3 credits; Grading Method: REG-P-F-FAUD Students may register for FREN 498 or FREN 699 but not both.			
0201	Meets JUL 14 to AUG 9 MTUWTFH 8:30am-10:30am	Bldg. LL, Room 3120	Therrien, M	
			The aim of this course is to provide students with a background in French civilization from the Middle Ages to the present time. Events, trends, and personalities that are not usually presented in purely literary courses will be discussed. The relationship between French thought, the arts, and historical development will be examined. The course is illustrated with slides.	
FREN 498C	Special Topics in French Literature: I and They: The Conflict between the Individual and Society 3 credits; Grading Method: REG-P-F-FAUD Readings, exams and paper must be in French in order for course to count towards French major.			
0201	MTUWTFH 11:00am-12:50pm	Bldg. LL, Room 1215	MacBain, W	
			In English. An examination of how major French writers confront the question of the conflicting demands made by the individual on the one hand and society on the other. Students will be required to examine the issues raised and give reasoned critiques of the attitudes expressed.	
FREN 499H	Special Topics in French Literature: Aspects de la Civilisation Française 3 credits; Grading Method: REG-P-F-FAUD Students may register for FREN 499H or FREN 699 but not both.			
0201	Meets JUL 14 to AUG 9 MTUWTFH 8:30am-10:30am	Bldg. LL, Room 3120	Therrien, M	
			The aim of this course is to provide students with a background in French civilization from the Middle Ages to the present time. Events, trends, and personalities that are not usually presented in purely literary courses will be discussed. The relationship between French thought, the arts, and historical development will be examined. The course is illustrated with slides.	
FREN 499A	Special Topics in French Studies: The Age of Existentialism and Absurdist Literature in France 3 credits; Grading Method: REG-P-F-FAUD Readings, exams and paper must be in French in order for course to count towards French major.			
0201	MTUWTFH 9:30am-10:50am	Bldg. LL, Room 3118	Demaître, A	
			Readings and discussion of masterworks of 20th Century French Literature with a focus on the dominant theme of anxiety and related themes such as alienation, nihilism, revolt and the search for a new ethic. Authors include Gide, Malraux, Sartre, Camus, Beckett, Ionesco. Works are analyzed primarily as a reflection of philosophical ideas and historical events that have led to an awareness of the absurd and the formulation of an existentialist outlook. In English.	
FREN 699	Seminar: Aspects de la Civilisation Française 3 credits; Grading Method: REG/AUD Students may register for FREN 699 or 498 but not both.			
0201	Meets JUL 14 to AUG 9 MTUWTFH 8:30am-10:30am	Bldg. LL, Room 3120	Therrien, M	
			The aim of this course is to provide students with a background in French civilization from the Middle Ages to the present time. Events, trends, and personalities that are not usually presented in purely literary courses will be discussed. The relationship between French thought, the arts, and historical development will be examined. The course is illustrated with slides.	
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 cont.

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

		GEOG		
		(BEHAV AND SOCIAL SCI)		
GEOG 100	Introduction to Geography 3 credits; Grading Method: REG Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement.			
0101	TuTh 7:00pm-10:00pm	Bldg. SSB, Room 1201	Girincione, J	
0201	MTUWTFH 9:30am-10:50am	Bldg. SSB, Room 1222	Staff	
			An introduction to the broad field of geography as it is applicable to the general education student; the course presents the basic rationale of variances in human occupancy of the earth and stresses geographic concepts relevant to understanding world, regional and local issues.	
GEOG 150	World Cities 3 credits; Grading Method: REG Meets USP Distributive Studies (A) Cultural and Historical requirement.			
0101	MW 6:00pm-9:00pm	Bldg. SSB, Room 2208	Groves, P	
0201	MW 7:00pm-10:00pm	Bldg. SSB, Room 1222	Staff	
			An introduction to the forces that affect the growth of cities in different parts of the world. Regional variations in city design and examples of great world cities. The impact of changing technologies, economic and social change on the evolution of the city. Current and emerging trends.	
GEOG 202	The World in Cultural Perspective 3 credits; Grading Method: REG-P-F-FAUD Meets USP Distributive Studies (A) Cultural and Historical requirement.			
0201	TuTh 7:00pm-10:00pm	Bldg. SSB, Room 1208	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 310	Research and Writing in Geography 3 credits; Grading Method: REG-P-F-FAUD			
0101	MW 9:00am-12:00pm	Bldg. SSB, Room 1179	Brodsy, H	
			Prerequisite: GEOG 305. Development of research methods in geography including the formulation of a problem, the establishment of hypotheses, development of structures for testing hypotheses, and practice with forms of geographic presentation. Maps, quantitative and field methods will be used as appropriate.	
GEOG 327	South Asia 3 credits; Grading Method: REG			
0101	TuTh 6:00pm-9:00pm	Bldg. SSB, Room 1220	deSilva, M	
			Methods of regional analysis and area studies applied to the Indian Subcontinent, including India, Pakistan, Bangladesh, Sri Lanka and adjacent nations. Locational significance of the natural environment, historical and cross-cultural processes; languages and religion, the economy and government, population, archaeology, urbanization and development.	
GEOG 370	Principles of Cartography 3 credits; Grading Method: REG Meets USP Advanced Studies Development of Knowledge requirement.			
0101	MW 8:00am-11:00am	Bldg. SSB, Room 2208	Freswyk, H	
			Techniques and problems of compilation, symbolization, design and construction of special purpose maps. Emphasis on the methods of improving map design based on the organization of map components and the proper selection of symbols.	
GEOG 384	Internship in Geography 3 credits; Grading Method: REG-P-F-FAUD Permission of department required.			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
			Prerequisites: GEOG 305, 310, and permission of department. Corequisite: GEOG 385. Supervised field training to provide career experience. Introduction to professional level activities, demands, opportunities. Placement at a public agency, non-profit organization, or private firm. Participation requires application to the internship advisor in French.	
GEOG 385	Internship Research Paper 3 credits; Grading Method: REG-P-F-FAUD Permission of department required.			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
			Prerequisite: GEOG 305, 310, and permission of department. Corequisite: GEOG 384. Seminar conducted on campus. Research paper related to the student's internship.	
GEOG 434	Agricultural and Rural Development 3 credits; Grading Method: REG Meets USP Advanced Studies Analysis of Human Problems requirement.			
0201	MW 4:00pm-7:00pm	Bldg. SSB, Room 1206	Samarasinghe, S	
			The future of agricultural resources, the major types of agricultural exploitation in the world and the geographic conditions. Main problems of conservation.	
GEOG 450	The Contemporary City 3 credits; Grading Method: REG-P-F-FAUD			
0101	TuTh 5:30pm-8:30pm	Bldg. SSB, Room 1222	Kellerman, A	
			The contemporary urban system: towns, cities and metropolitan areas and their role as concentrations of social and economic activity. Patterns of land-use: residential, commercial activity, manufacturing, and transportation. Explanatory and descriptive models. International comparisons.	
GEOG 498	Topical Investigations 3 credits; Grading Method: REG-P-F-FAUD Permission of department required.			
0101	Time Arranged	Room Arranged	Staff	
0201	Time Arranged	Room Arranged	Staff	
GEOG 608E	Seminar in Regional Studies: Ethnicity in Third World Development 3 credits; Grading Method: REG			
0101	TuTh 6:00pm-9:00pm	Bldg. SSB, Room 1220	deSilva, M	
GEOG 679C	Seminar in Urban Geography: The Contemporary City 3 credits; Grading Method: REG/AUD			
0201	TuTh 5:30pm-8:30pm	Bldg. SSB, Room 1222	Kellerman, A	
GEOG 688A	Seminar in Third World Development: Agricultural and Rural Development 3 credits; Grading Method: REG			
0201	MW 4:00pm-7:00pm	Bldg. SSB, Room 1206	Samarasinghe, S	
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	
			Students agree to the student's specialty in a federal, state, or local agency or private business. A 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	



GEOL (AGRI AND LIFE SCI)

GVPT cont.

GEOLGY

- GEOL 100 Physical Geology 3 credits. Grading Method: REG-P-FAUD**
Meets requirement. Course meets University Studies Program Distributive Studies non-lab science and mathematics requirement. If taken with GEOL 110, course may be counted as lab science requirement.
 0101 MTuWThF 9:30am-10:50am Bldg. GEO, Room 1120 Staff
 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. Credit will not be given for both GEOL 100 and GEOL 101.
- GEOL 490 Geology Field Camp 6 credits. Grading Method: REG-P-FAUD**
Special fee of \$785.50 in addition to tuition. A \$200.00 non-refundable deposit is due by March 1, 1986. The balance of the special fee of \$405.00 must be paid by registration.
 0101 MTuWThFSa 8:00am-5:00pm Room Arranged Staff
 Prerequisite: GEOL 323, 331 and 341. Content of instructor. Six weeks of summer field work prior to senior year. Principles and problems in sampling, measuring, mapping, and reporting of geologic data. Group field trips and discussions.

- GVPT 368 Global Ecopolitics 3 credits. Grading Method: REG-P-FAUD**
 0101 TuTh 9:30am-12:30pm Bldg. SSB, Room 2208 Prages, D
 Prerequisite: GVPT 170. Consideration of global problems such as the growth controversy, agricultural productivity, pollution, resource depletion, the energy crisis, and the general impact of science and technology on the world economic, socio-economic, and political system, with particular emphasis on such matters as effects of public policy.
- GVPT 375 Academic Field Research in Government and Politics 6 credits. Grading Method: REG-P-FAUD**
 0101 Time Arranged Room Arranged Staff
 0201 Time Arranged Room Arranged Staff
 Field research is based on the data gathered by the student during his internship assignment. Students conduct a major research project on a subject of interest to modern, theoretical political science based on a research design approved by an academic adviser. The course is open only to GVPT majors and intended to be taken concurrently with GVPT 377. The research conducted under GVPT 375 will be substantially different from the project done for GVPT 376.
- GVPT 376 Applied Field Research in Government and Politics 6 credits. Grading Method: REG-P-FAUD**
 0101 Time Arranged Room Arranged Staff
 Course requires concurrent registration in GVPT 377 for a combined total of 6 credits. 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 adviser, students conduct a major research project of mutual interest to the student and his host agency in the field of government and politics. The course is open only to GVPT majors and must be taken concurrently with GVPT 377.

GERM (ARTS AND HUMANITIES)

GERMAN

- GERM 101 Elementary German I 4 credits. Grading Method: REG-P-FAUD**
Meets USP Distributive Studies (A) Cultural and Historical requirement.
 0101 MTuWTh 9:30am-12:20pm Bldg. LL, Room 3203 Staff
 0201 MTuWTh 9:30am-12:20pm Bldg. LL, 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-FAUD**
Meets USP Distributive Studies (A) Cultural and Historical requirement.
 0101 MTuWTh 9:30am-12:20pm Bldg. LL, Room 1122 Staff
 Prerequisite: 101 or equivalent. 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-FAUD**
Meets USP Distributive Studies (A) Cultural and Historical requirement.
 0101 MTuWTh 9:30am-12:20pm Bldg. LL, Room 2102 Staff
 Prerequisite: GERM 102 or 103 or equivalent. 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 415 German-English Translation I 3 credits. Grading Method: REG-P-FAUD**
 0201 MTu 4:00pm-6:00pm Bldg. LL, Room 3203 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. May not be taken for credit by students who have completed GERM 111-115 and/or GERM 301-302.
- GERM 415A Selected Topics in German Language Study: Business German 3 credits. Grading Method: REG-P-FAUD**
 0101 MTuTh 4:00pm-6:00pm Bldg. LL, Room 3203 Staff
- GERM 499 Directed Study: Directed Study in German 1-3 credits. Grading Method: REG-AUD**
 0101 Time Arranged Room Arranged Pfister, G
 0201 Time Arranged Room Arranged Pfister, G
- GERM 798 Master's Independent Study 1-3 credits. Grading Method: REG-AUD**
 0101 Time Arranged Room Arranged Pfister, G
 0201 Time Arranged Room Arranged Pfister, 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 896 Doctoral Independent Study 1-3 credits. Grading Method: REG-AUD**
 0101 Time Arranged Room Arranged Pfister, G
 0201 Time Arranged Room Arranged Pfister, 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 377 Seminar For Academic Interns 3 credits. Grading Method: REG-P-FAUD**
Course requires concurrent registration in GVPT 376 for a combined total of 6 credits. See course description under GVPT 376.
 0101 Time Arranged Room Arranged Lanning E
 W 3:30pm-6:30pm
 This seminar stresses the application of major concepts of political science as they apply to the realities of the political process. Readings and discussion attempt to relate the experiences of the academic interns to appropriate literature on the subject of political decision-making. This course is open only to GVPT majors and is intended for students concurrently enrolled in GVPT 376 and/or 375.
- GVPT 386 Field Work 1-3 credits. Grading Method: REG-P-FAUD**
 0101 Time Arranged Room Arranged Staff
 0201 Time Arranged Room Arranged Staff
- GVPT 387 Field Work Analysis 1-3 credits. Grading Method: REG-P-FAUD**
 0101 Time Arranged Room Arranged Staff
 0201 Time Arranged Room Arranged Staff
- GVPT 388 Topical Investigations 3 credits. Grading Method: REG-P-FAUD**
 0101 Time Arranged Room Arranged Staff
 0201 Time Arranged Room Arranged Staff
- GVPT 388A Topical Investigations: Analysis of Concepts and Filmm Images 3 credits. Grading Method: REG-P-FAUD**
Requires concurrent registration in GVPT 388A for a combined total of 6 credits. See course description under GVPT 388A.
 0101 Meets JUN 2 to JUN 18 Room Arranged Glass, J
 MTuWThF 1:30pm-4:30pm

- GVPT 396 Introduction to Political Research 3 credits. Grading Method: REG-P-FAUD**
 0101 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-FAUD**
 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 end the Politic. of the Family 3 credits. Grading Method: REG-P-FAUD**
 0101 Meets JUN 2 to JUN 18 Room Arranged Glass, J
 Time Arranged
 Requires concurrent registration in GVPT 388A for a total of 6 credits. Survey of films to understand nature and structure of politics of the family. Emphasis on families and anti-families, the nature of loneliness, decap, punctuality and the politics implicit in these connotational realities.
- GVPT 401 Problems of World Politics 3 credits. Grading Method: REG-P-FAUD**
 0101 TuTh 12:30pm-3:30pm Bldg. SSB, Room 1220 Weinberg, Y
 Prerequisite: GVPT 170. 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

GOVERNMENT AND POLITICS (BEHAV AND SOCIAL SCI)

- GVPT 100 Principles of Government and Politics 3 credits. Grading Method: REG-P-FAUD**
Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement.
 0101 MTuWThF 9:30am-10:50am Bldg. SSB, Room 1201 Staff
 A study of the basic principles and concepts of political science. This course may be used to satisfy, in part, the social science requirement in the general education program.
- GVPT 170 American Government 3 credits. Grading Method: REG-P-FAUD**
Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement.
 0101 MTuWThF 11:00am-12:20pm Bldg. SSB, Room 1221 Staff
 0201 MW 12:30pm-3:30pm Bldg. SSB, Room 1201 Vietri, L
 This government and politics course or its equivalent is a prerequisite to other courses in the department as specified in the catalog. It is a comprehensive study of government in the United States-national, state and local.
- GVPT 210 Introduction to Public Administration and Policy 3 credits. Grading Method: REG-P-FAUD**
 0201 MTuWThF 9:30am-10:50am Bldg. SSB, Room 1220 Staff
 Prerequisite: GVPT 170. 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-FAUD**
 0101 TuTh 12:30pm-3:30pm Bldg. SSB, Room 1201 McIntosh, W
 Prerequisite: GVPT 170. A study of the basis of law and its relationship with various contemporary institutions such as the courts, police, the legal profession, and society at large.
- GVPT 240 Political Ideologies 3 credits. Grading Method: REG-P-FAUD**
Meets USP Distributive Studies (A) Cultural and Historical requirement.
 0201 TuTh 12:30pm-3:30pm Bldg. SSB, Room 1201 Jennings, G
 Prerequisite: GVPT 170. 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-FAUD**
Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement.
 0101 MW 9:30am-12:30pm Bldg. SSB, Room 1201 McHaley, T
 0201 MW 9:30am-12:30pm Bldg. SSB, Room 2208 Hsuah, G
 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 431 Introduction to Constitutional Law 3 credits. Grading Method: REG-P-FAUD**
 0101 MTuWThF 9:30am-10:50am Bldg. SSB, Room 2123 McCarrick, E
 Prerequisite: GVPT 170. A systematic inquiry into the general principles of the American constitutional system, with special reference to the role of the judiciary in the interpretation and enforcement of the federal constitution.
- GVPT 442 History of Political Theory—Medieval to Recent 3 credits. Grading Method: REG-P-FAUD**
Meets USP Advanced Studies Development of Knowledge requirement.
 0101 MW 12:30pm-3:30pm Bldg. SSB, Room 2166 Terchek, R
 Prerequisite: GVPT 100. A survey of the principal theorists set forth in the works of writers from Michaelwell to J. S. Mill.
- GVPT 457 American Foreign Relations 3 credits. Grading Method: REG-P-FAUD**
Meets USP Advanced Studies Analysis of Human Problems requirement.
 0201 TuTh 9:30am-12:30pm Bldg. SSB, Room 2208 Bobrow, D
 Prerequisite: GVPT 170. The principles and history of the conduct of American 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 741 Political Theory 3 credits. Grading Method: REG-AUD**
 0201 MW 6:30pm-9:30pm Bldg. SSB, Room 2123 Allord, C
 A graduate-level introduction to the history and theory 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 873 Seminar in Legislatures and Legislation 3 credits. Grading Method: REG-AUD**
 0101 MW 6:30pm-9:30pm Bldg. SSB, Room 2123 Usman, E
 Reports on topics assigned for individual study and reading about the composition and organization of legislatures and about the legislative process.
- GVPT 878 Problems in American Government and Politics 3 credits. Grading Method: REG-AUD**
 0201 MW 3:30pm-6:30pm Bldg. SSB, Room 2138H Reeves, M
- GVPT 898 Readings in Government and Politics 3 credits. Grading Method: REG-AUD**
 0101 Time Arranged Room Arranged Staff
 0201 Time Arranged Room Arranged Staff
- GVPT 899 Doctoral Dissertation Research 1-8 credits. Grading Method: REG**
 0101 Time Arranged Room Arranged Staff
 0201 Time Arranged Room Arranged Staff

HEBR (ARTS AND HUMANITIES)

HEBREW			
HEBR 296L Special Topics in Jewish Studies: Survey of Language History of Jewish Communities 3 credits; Grading Method: REG P-F/AUD			
0101	MTuWThF 9:00am-10:50am	Bldg LL, Room 1109	Lieberman, E
A general survey of the languages generated and adopted by Jewish communities throughout their history, with special emphasis on the relation of these tongues to Hebrew, against the background of various theories set forth to explain minority language production. Aramaic, Ladino, and Yiddish will be the chief areas of focus.			
HEBR 386 Field Work 1-3 credits; Grading Method: REG P-F/AUD			
0101	Time Arranged	Room Arranged	Lieberman, E
0201	Time Arranged	Room Arranged	Lieberman, E
HEBR 387 Field Work Analysis 1-3 credits; Grading Method: REG P-F/AUD			
0101	Time Arranged	Room Arranged	Lieberman, E
0201	Time Arranged	Room Arranged	Lieberman, E

HESP (BEHAV AND SOCIAL SCI)

HEARING AND SPEECH 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 11:00am-12:20pm	Bldg SSB, Room 1206	Ratner, N
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 202 Introduction to Hearing and Speech Sciences 3 credits; Grading Method: REG P-F/AUD			
0101	MTuWThF 9:30am-10:50am	Bldg SSB, Room 1221	Staff
Introduction to phonetics, the physical 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.			
0101	MTuWThF 9:30am-10:50am	Bldg SSB, Room 1208	McCall, G
Prerequisite: HESP 202. Anatomy, physiology, and neurology of speech mechanism.			
HESP 400 Speech and Language Development in Children 3 credits; Grading Method: REG P-F/AUD			
0101	MTuWThF 11:00am-12:20pm	Roth, F	Staff
Prerequisite: HESP 300. Analysis of the normal processes of speech and language development in children.			
HESP 418 Clinical Practice in Speech-Language Pathology and Audiology: Pathology and Audiology 3 credits; Grading Method: REG P-F/AUD			
0101	Time Arranged	Room Arranged	Patrick, S
HESP 438 Seminar: Special Issues in Early Childhood Special Education: Pragmatics 2 credits; Grading Method: REG P-F/AUD			
0201	Meets JUL 14 to JUL 25	Bldg SSB, Room 0135	Roth, F
HESP 498 Seminar: Structure and Function of the Hearing Mechanism 3 credits; Grading Method: REG P-F/AUD			
0101	TuTh 3:30pm-6:30pm	Bldg SSB, Room 0135	Staff
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/AUD			
0101	TuTh 12:30pm-3:30pm	Bldg SSB, Room 0135	Grant, S
Language problems of adults associated with brain injury.			
HESP 638 Minor Research Problems ; Grading Method: REG/AUD			
0101	Time Arranged	Room Arranged	Roth, F
0201	Time Arranged	Room Arranged	Staff
HESP 639A Special Topics in Hearing and Speech Sciences: Pragmatics 1-8 credits; Grading Method: REG/AUD			
0201	Meets JUL 14 to JUL 25	Bldg SSB, Room 0135	Roth, F
HESP 639C Special Topics in Hearing and Speech Sciences: Geriatric Audiology 1-8 credits; Grading Method: REG/AUD			
0201	Meets AUG 11 to AUG 22	Bldg SSB, Room 0135	Gordon-Salant, S
HESP 648 Clinical Practice in Speech 1-3 credits; Grading Method: REG/AUD Permission of department required.			
0101	Time Arranged	Room Arranged	Patrick, S
HESP 649 Clinical Practice in Audiology 1-3 credits; Grading Method: REG/AUD Permission of department required.			
0101	Time Arranged	Room Arranged	McCabe, M
HESP 708 Independent Study 1-6 credits; Grading Method: REG/AUD			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
HESP 720 Structure and Function of the Hearing Mechanism 3 credits; Grading Method: REG/AUD			
0101	TuTh 3:30pm-6:30pm	Bldg SSB, Room 0135	Staff
Anatomy and physiology of the peripheral auditory and vestibular systems and pathologies of the peripheral hearing mechanism.			
HESP 729 Advanced Clinical Practice in Audiology: Advanced Clinical Practicum 1-8 credits; Grading Method: REG/AUD 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 (ARTS AND HUMANITIES)

HISTORY			
HIST 130 The Ancient World 3 credits; Grading Method: REG P-F/AUD Meets USP Distributive Studies (A) Cultural and Historical requirement.			
0101	MTuWThF 9:30am-10:50am	Bldg RR, Room 0103	Eckstein, A
Interpretation of select literature and art of the ancient Mediterranean world with a view to illuminating the antecedents of modern culture, religion and myth in the ancient Near East, Greek philosophical, scientific, and literary invention; and the Roman tradition in politics and administration.			
HIST 133 Modern Europe: 1789 - Present 3 credits; Grading Method: REG P-F/AUD Meets USP Distributive Studies (A) Cultural and Historical requirement.			
0101	MTuWThF 11:00am-12:20pm	Bldg RR, Room 0103	Harris, J
0201	MTuWThF 9:30am-10:50am	Bldg RR, Room 0103	Kent, G
Nation-states in Europe since the outbreak of the French revolution. Rapid changes in industrial-economic structure and in demography related to national growths. Emergence of a distinctly modern secular society including "Europeanism" throughout the world. Emphasis on			

HIST cont.

continental, western european countries and peoples. Eastern Europe and Insular Great Britain			
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 9:30am-10:50am	Bldg RR, Room 0116	Hofman, R
0201	MTuWThF 9:00am-9:20am	Bldg RR, Room 1117	Bradbury, M
A survey of the history of the United States from colonial times to the end of the Civil War. Emphasis on the 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 8:00am-9:20am	Bldg RR, Room 0103	Olson, K
0201	MTuWThF 11:00am-12:20pm	Bldg RR, Room 0103	Moss, Jr., A
A survey of economic, social, intellectual, and political developments since the Civil War. Emphasis on the rise of industry and the emergence of the United States as a world power.			
HIST 206 The Holocaust of European Jewry 3 credits; Grading Method: REG P-F/AUD			
0201	MTh 1:00pm-4:00pm	Bldg RR, Room 1116	Rosenblit, M
Effects of Nazi Jewish policy in the 1930s and during World War II; the process of destruction and the implementation of the "final solution of the Jewish problem" in Europe; and the responses made by the Jews to their concentration and annihilation.			
HIST 211 Women in America Since 1880 3 credits; Grading Method: REG P-F/AUD Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement.			
0201	MTuWThF 9:30am-10:50am	Bldg RR, Room 2119	Gulliksson, 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 8:00am-9:20am	Bldg RR, 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 312A Crisis and Change in the United States: The Changing Urban Scene 3 credits; Grading Method: REG P-F/AUD Meets USP Advanced Studies Analysis of Human Problems requirement.			
0201	MTuWThF 11:00am-12:20pm	Bldg RR, Room 1117	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 314A Crises and Change in the Middle East and Africa: Nationalism and Nation-Building in the Middle East 3 credits; Grading Method: REG P-F/AUD Meets USP Advanced Studies Analysis of Human Problems requirement.			
0101	MTuWThF 11:00am-12:20pm	Bldg RR, Room 0126	Zilk, M
This course acquaints students with the readings and discussions on patterns of political conflict and accommodation in the Middle East. The effects of nationalism on the period since World War I and the collapse of the Ottoman Empire. It explores the challenges presented to Arab and Turkish nation builders in their efforts to define a nation identity, secure full independence and establish a legitimizing national ideology supported by stable political, social and economic institutions. The special place of Iran, with its centuries old national existence, will also be studied. Prerequisite: One history course.			
HIST 327 The Roman Empire 3 credits; Grading Method: REG P-F/AUD			
0201	MTuWThF 9:30am-10:50am	Bldg RR, Room 1117	Holum, K
Roman history from Augustus to Heraclius, 44 B.C. - A.D. 641. The Imperial court and government; the diversity of culture in provinces and cities and the progress of Romanization; Roman religion and its transformation in late antiquity; the Roman army and defense of the frontiers. Not available for students who have taken HIST 421.			
HIST 347 History of Crime and Punishment in England 3 credits; Grading Method: REG P-F/AUD			
0101	MTuWThF 9:30am-10:50am	Bldg RR, Room 0126	Cockburn, J
Emphasis on the historical development of law enforcement agencies, criminal jurisdictions and trial procedure; 1500-1800. Nature of principle felonies and major trends in criminal penal theory and practice in historical perspective.			
HIST 360 American Colonial History 3 credits; Grading Method: REG P-F/AUD			
0101	MTuWThF 11:00am-12:20pm	Bldg RR, 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 398 Honors Thesis 3 credits; Grading Method: REG P-F/AUD Permission of department required. By permission only			
0101	Time Arranged	Room Arranged	Olson, A
0201	Time Arranged	Room Arranged	Olson, A
HIST 400 Independent Study 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
Prerequisite: departmental approval of research project and consent of the department. Available to all students who wish to pursue a specific research topic.			
HIST 410 Introduction to Archives I 3 credits; Grading Method: REG P-F/AUD Concurrent registration in HIST 411 required.			
0101	W 7:00pm-9:00pm	Bldg RR, Room 2119	Grimsted, D
Time Arranged			
Prerequisite: Consent of department. Corequisite: HIST 411. 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 Concurrent registration with HIST 410 required.			
0101	Time Arranged	Room Arranged	Grimsted, D
0201	Time Arranged	Room Arranged	Staff
Prerequisite: Consent of department. Corequisite: HIST 410. 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: Archaeological Research and History 3 credits; Grading Method: REG P-F/AUD Permission of department required. Concurrent registration with HIST 400 required.			
0101	Meets JUN 22 to JUL 31	Room Arranged	Holum, K
Time Arranged			
Archaeological field work to be conducted at Rehovot ba-Negev, Israel. See Prof. Holum in Dept. of History.			
HIST 462 The Civil War 3 credits; Grading Method: REG P-F/AUD			
0201	MTuWThF 9:30am-10:50am	Bldg RR, Room 0116	Smith, E
A detailed study of historical interpretations; the forces, situations and events that caused the war; and the war's impact.			
HIST 467 History of Maryland 3 credits; Grading Method: REG P-F/AUD			
0101	MTh 1:00pm-4:00pm	Bldg RR, Room 0116	Ridgway, W
Political, social and economic history of Maryland from seventeenth century to the present.			
HIST 619A Special Topics in History: British and Colonial Foundations of the US Constitution 1-3 credits; Grading Method: REG/AUD			
0101	MTh 4:00pm-6:00pm	Bldg RR, Room 2119	Cockburn, J
0201	Time Arranged	Room Arranged (DIS)	Staff
We approach the bicentennial of the American Constitution. The course will explore—through readings, discussions, and written work—the British and colonial antecedents for the new national government of the United States.			

HIST cont.

HIST 619B	Special Topics in History: Independent Study 1-3 credits. Grading Method REG/AUD		
0101	Permission of department required	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
HIST 619C	Special Topics in History: Readings on Issues in US Constitutional History 3 credits. Grading Method REG/AUD		
0201	MTh 4:30pm-6:30pm	Bldg. PRH, Room 2119	Ridgway W
	Time Arranged	Room Arranged (DIS)	
HIST 619D	Special Topics in History: Research in Archaeological History 3 credits. Grading Method REG/AUD		
0101	Permission of department required	Concurrent registration with HIST619B required	
	Meets JUN 22 to JUL 31		
0101	Time Arranged	Room Arranged	Holum, K
			Archaeological field work to be conducted at Rehovot ha Neges, Israel. See Prof. Holum in Dept. of History.
HIST 799	Master's Thesis Research 1-6 credits. Grading Method REG/AUD		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
HIST 899	Doctoral Dissertation Research 1-8 credits. Grading Method REG/AUD		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

HLTH

(HUMAN AND COMMUNITY RES)

HLTH 106	Drug Use and Abuse 3 credits. Grading Method REG/P.F.AUD		
0101	MTuWThF 11:00am-12:20pm	Bldg. PRH, Room 1303	Hollander, R
0201	MTuWThF 9:30am-10:50am	Bldg. PRH, Room 1303	Beck, K
			An interdisciplinary analysis of contemporary drug issues and problems. The course will examine physiological, psychological, social, philosophical, historical, legal and health aspects of drug use and abuse. Special attention will be focused on those general motivations for drug use that attend life on the college campus.
HLTH 140	Parental and Community Health 3 credits. Grading Method REG/P.F.AUD		
0101	MTuWThF 9:30am-10:50am	Bldg. PRH, Room 1302	Miller, C
0201	MTuWThF 9:30am-10:50am	Bldg. PRH, Room 1302	McKay, R
			Meaning and significance of physical, mental and social health as related to the individual and to society; important health problems, causes and problems. The course will examine the individual and the community health problems young people encounter with special emphasis on health knowledge for future teachers.
HLTH 150	First Aid and Emergency Medical Services 2 credits. Grading Method REG/P.F.AUD		
0101	MTuWThF 8:00am-9:20am	Bldg. PRH, Room 0302	Ramsay, S
0102	MW 12:00pm-2:30pm	Bldg. PRH, Room 0302	Ramsay, S
			Lecture, demonstration and training in emergency care, including cardiopulmonary resuscitation, hemorrhage control, shock, poisons and bone injury treatment and childbirth. American Red Cross and Heart Association of Maryland certification awarded.
HLTH 230	Introduction to Health Behavior 3 credits. Grading Method REG/P.F.AUD		
0101	MTuWThF 11:00am-12:20pm	Bldg. PRH, Room 0301	Feldman, R
			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 285	Controlling Stress and Tension 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. PRH, Room 1301	Greenberg, J
0201	MTuWThF 9:30am-10:50am	Bldg. PRH, Room 1301	Allen, R
0202	MTuWThF 11:00am-12:20pm	Bldg. PRH, Room 0308	Allen, R
			Health problems related to stress and tension. Analysis of causative psychosocial stressors and intervening physiological mechanisms. Emphasis on prevention and control of stress through techniques such as biofeedback, meditation and neuromuscular relaxation.
HLTH 371	Communicating Safety and Health 3 credits. Grading Method REG/P.F.AUD		
0201	MTuWThF 11:00am-12:20pm	Bldg. PRH, Room 0303	Beck, K
			The communication and evaluation of safety and health information. Emphasis on various types of communications and recipient factors which contribute to their success or failure.
HLTH 430	Health Education in the Workplace 3 credits. Grading Method REG/AUD		
0101	MTuWThF 9:30am-10:50am	Bldg. PRH, Room 0301	Staff
			A survey of the role of health education in work settings. Examination of occupational stress, the health effects of shift work, women's health in the workplace, health education approaches to informing workers and management, and health promotion programs in the workplace.
HLTH 450	Health of Children and Youth 3 credits. Grading Method REG/P.F.AUD		
0101	MTuWThF 11:00am-12:20pm	Bldg. PRH, Room 0305	Miller, C
			A study of the health of 5 to 18 year olds. Physical, mental, social and emotional health. Psychosocial development, diet, exercise, recreation, and the roles of parents and teachers.
HLTH 456	Health of the Aging and Aged 3 credits. Grading Method REG/P.F.AUD		
0101	MTuWThF 8:00am-9:20am	Bldg. PRH, Room 1303	Leviton, D
0201	MTuWThF 9:30am-10:50am	Bldg. PRH, Room 1301	McKay, R
			Psychological, physiological and socio-economic aspects of aging, nutrition, sexuality, death, dying, and bereavement; self-actualization and creativity; health needs and crises of the aged.
HLTH 471	Women's Health 3 credits. Grading Method REG/P.F.AUD		
0101	MTuWThF 9:30am-10:50am	Bldg. PRH, Room 1303	Hollander, R
			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	Health Education 3 credits. Grading Method REG/P.F.AUD		
0101	MTuWThF 9:30am-10:50pm	Bldg. PRH, Room 1312	Leviton, D
			Examination of the genesis and development of present day health attitudes and behavior by use of a multidisciplinary life cycle approach.
HLTH 477	Human Sexuality 3 credits. Grading Method REG/P.F.AUD		
0101	MTuWThF 11:00am-12:20pm	Bldg. PRH, Room 1301	Greenberg, J
0102	MTuWThF 9:30am-10:50am	Bldg. PRH, Room 0305	Mann, P
0201	MTuWThF 8:00am-9:20am	Bldg. PRH, Room 1303	Peterson, F
0202	MTuWThF 9:30am-10:50am	Bldg. PRH, Room 1307	Peterson, F
			The biological and developmental aspects of human sexuality, the psychological and emotional aspects of sexual behavior, sexual identity, the historical, cultural, social, linguistic, legal and moral forces affecting sexual issues, the importance of communication, disclosure and intimacy in interpersonal relationships and research trends in the area of human sexuality.
HLTH 489	Field Laboratory Projects and Workshop 1-6 credits. Grading Method REG/P.F.AUD		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
HLTH 498A	Special Topics in Health: Weight Control Practicum 3 credits. Grading Method REG/P.F.AUD		
0101	TuWTh 11:00am-1:15pm	Bldg. PRH, Room 0308	Mann, P
			(Limited to students who are at least 110 lbs. overweight) Designed for those who have a weight control problem. Be at one of obesity, overweight or the continual struggle to control weight. Achieving and maintaining a healthy weight involves the sum of biological, psychological, and sociocultural considerations—consequently the students are asked to examine these factors as they apply to their unique life style, to match theoretic considerations with individual needs and life patterns.

HLTH cont.

HLTH 488	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. Student must present department with unofficial transcript showing proof of taking HLTH 285.
0101	TuTh 7:00pm-10:00pm	Bldg. PRH, Room 0308	Schradl, G
			A critical examination of assumptions related to stress and tension via selected methods in the life sciences, the behavioral sciences, and the arts and humanities. The major goal is to help the student attain a position of responsibility with respect to what he or she knows about stress. Prerequisite: Completion of the Literature and Art component of the Distributive Studies requirement.
HLTH 600	Seminar in Health: Grading Method: REG/AUD		
			Contact department to make arrangements
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
HLTH 688	Special Problems in Health Education 1-6 credits. Grading Method REG/AUD		
			Contact department to make arrangements
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
HLTH 799	Master's Thesis Research 1-6 credits. Grading Method REG/AUD		
0101	Time Arranged	Room Arranged	Staff
HLTH 899	Doctoral Dissertation Research 1-8 credits. Grading Method REG/AUD		
0101	Time Arranged	Room Arranged	Staff

HORT

(AGRI AND LIFE SCI)

HORT 399	Special Problems 2 credits. Grading Method REG/P.F.AUD		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
HORT 689	Special Problems in Horticulture 1-3 credits. Grading Method REG/AUD		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
HLTH 799	Master's Thesis Research 1-6 credits. Grading Method REG/AUD		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
HORT 899	Doctoral Dissertation Research 1-8 credits. Grading Method REG/AUD		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

HSAD

(HUMAN AND COMMUNITY RES)

HSAD 345	Professional Aspects of Interior Design 3 credits. Grading Method REG/P.F.AUD		
0101	TuTh 9:30am-12:30pm	Bldg. H, Room 1108	Bulger, G
			One lecture plus work experience. Professional orientation, ethics, and practices.
HSAD 386	Field Work 1-3 credits. Grading Method REG/P.F.AUD		
			Permission of department required. Must be taken concurrently with HSAD 387. Interior design majors only.
0101	Meets JUN 2 to JUL 25	Room Arranged	Otdland, S
HSAD 387	Field Work Analysis 1-3 credits. Grading Method REG/P.F.AUD		
			Permission of department required. Must be taken concurrently with HSAD 386. Interior design majors only.
0101	Meets JUN 2 to JUL 25	Room Arranged	Otdland, S
HSAD 499	Individual Study in Housing And/or Interior Design 3-4 credits. Grading Method REG/P.F.AUD		
0101	Time Arranged	Room Arranged	Staff

IADM

(HUMAN AND COMMUNITY RES)

INSTITUTION ADMINISTRATION			
IADM 678A	Special Topics in Institutional Food: Individual Study 1-6 credits. Grading Method REG/AUD		
0101	Time Arranged	Room Arranged	Prather, M
IADM 799	Master's Thesis Research 1-6 credits. Grading Method REG/AUD		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
IADM 899	Doctoral Dissertation Research 1-8 credits. Grading Method REG/AUD		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

ITAL

(ARTS AND HUMANITIES)

ITALIAN			
ITAL 101	Elementary Italian I 4 credits. Grading Method REG/P.F.AUD		
0101	MTuWThF 8:30am-10:30am	Bldg. LL, Room 3120	Russell, C
			Introduction to basic grammar and vocabulary, written and oral work. Credit will not be given for both ITAL 101 and ITAL 121.
ITAL 102	Elementary Italian II 4 credits. Grading Method REG/P.F.AUD		
0201	MTuWThF 8:30am-10:30am	Bldg. LL, Room 1104	Felaco, V
			Prerequisite: ITAL 101. Completion of study of basic grammar, written and oral work, with an increasing emphasis on spoken Italian.

IVSP

(UNDERGRADUATE STUDIES)

IVSP 318	Individual Studies 1-15 credits. Grading Method REG/P.F.AUD		
0101	IVSP Majors only	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
IVSP 319	Tutorial Report; Grading Method: S-F		
0101	IVSP Majors only	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

IVSP cont.**IVSP 320** Bachelor's Report 3 credits; Grading Method: REG-P-F-AUD

0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

Required of all students in the Individual Studies Program whose program includes 40% or more of informal educational experience (independent study, special projects, work internship, etc.) And is 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**(ARTS AND HUMANITIES)**

JAPN 101 Elementary Japanese I 6 credits; Grading Method: REG			
Meets USP Distributive Studies (A) Cultural and Historical requirement.			
0101	MTuWThF 9:00am-12:00pm	Bldg. LL, Room 2112	Staff
Introduction to basic patterns of contemporary spoken Japanese and to the two phonetic syllabaries (Katakana and Hiragana)			
JAPN 102 Elementary Japanese II 6 credits; Grading Method: REG			
Meets USP Distributive Studies (A) Cultural and Historical requirement.			
0201	MTuWThF 9:30am-12:00pm	Bldg. LL, Room 2117	Staff
Prerequisite: JAPN 101 or equivalent. Continued introduction to the basic spoken and written patterns of contemporary Japanese			

JOUR**(ARTS AND HUMANITIES)**

JOUR 100 Introduction to Mass Communication 3 credits; Grading Method: REG			
Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement.			
0101	MW 6:00pm-9:00pm	Bldg. RR, Room 0122	Paterson, J
Survey of the functions and effects of the mass media in the United States. A consumer's introduction to newspapers, television, radio, film, sound recording, books, magazines, and new media technology. Introduction to public relations, advertising, and news analysis			
JOUR 201 Writing For Mass Media 3 credits; Grading Method: REG			
Prerequisite: 30 wpm typing ability. A typing test will be given on the first day of class			
0101	MTuWThF 9:30am-10:50am	Bldg. G, Room 3103 (LAB)	Stapp Jr., A
0201	MTuWThF 9:30am-9:20am	Bldg. G, Room 3103	Barkin, S
Prerequisite: 30 words per minute typing ability. Provisional admission to journalism major. Introduction to news, feature and public 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: JOUR 201. Majors only.			
0201	MTuWThF 8:00am-9:20am	Bldg. G, Room 1117	Smith, M
Prerequisite: JOUR 201. 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: JOUR 202. Majors only.			
0101	MTuWThF 11:00am-12:20pm	Bldg. G, Room 3103	Stapp Jr., A
Prerequisite: JOUR 202. 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 Public Relations Theory 3 credits; Grading Method: REG			
Majors only.			
0101	MTh 6:00pm-9:00pm	Bldg. G, Room 1104	Staff
Prerequisite: JOUR 201. The historical development and contemporary status of public relations in business, government, associations and other organizations. Application of communication theory and social science methods to the research, planning, communication and evaluation aspects of the public relations process.			
JOUR 331 Public Relations Techniques 3 credits; Grading Method: REG			
Majors only.			
0201	MTh 6:00pm-9:00pm	Bldg. G, Room 3103	Staff
Prerequisites: JOUR 202 and 330. The techniques of public relations including news releases, publications and printed materials, audio-visual techniques, speeches and special events. Application of these techniques in laboratory and field projects			
JOUR 340 Advertising Communication 3 credits; Grading Method: REG			
Prerequisite: JOUR 202. Majors only.			
0201	MTuWThF 8:00am-9:20am	Bldg. G, Room 1104	Zanot, E
Prerequisite: JOUR 201. 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 341 Advertising Techniques 3 credits; Grading Method: REG			
Prerequisite: JOUR 340. Majors only.			
0201	MTuWThF 9:30am-10:50am	Bldg. G, Room 1117	Zanot, E
Prerequisite: JOUR 202 and 340. Writing and production of print and broadcast advertisements; application of these techniques in laboratory and field projects			
JOUR 350 Photojournalism 3 credits; Grading Method: REG			
Prerequisite: JOUR 201. Majors only.			
0201	M 8:00am-12:00pm Th 8:00am-12:00pm	Bldg. G, Room 2116 Bldg. G, Room 2116 (LAB)	Staff
Prerequisite: JOUR 201. Fundamentals of camera operation, composition, developing and printing black and white still photographs for publication, history of photojournalism. Not open to students with credit in JOUR 372.			
JOUR 360 Broadcast News 3 credits; Grading Method: REG			
Majors only.			
0101	MTuWThF 9:00am-9:20am	Bldg. G, Room 3103	Levy, M
Prerequisite: JOUR 202. Writing for the broadcast media and the production of news stories			
JOUR 365 Theory of Broadcast Journalism 3 credits; Grading Method: REG			
Majors only.			
0101	MTuWThF 9:30am-10:50am	Bldg. G, Room 1104	Levy, M
Descriptive and critical analysis of broadcast news practices, evaluation of news judgments, decision-making and organizational aspects of the broadcast news industry			
JOUR 371 Magazine Article and Feature Writing 3 credits; Grading Method: REG			
Prerequisite: JOUR 201. Majors only.			
0201	MTuWThF 9:30am-10:50am	Bldg. G, Room 3103	Barkin, S
Prerequisite: JOUR 201. Types of feature writing, particularly in the magazine market, analysis of the magazine media and specialized audiences; practice in researching and writing the feature article; analysis of free-lance markets			
JOUR 396 Supervised Internship 3 credits; Grading Method: REG			
For majors only. Contact Lois Kay, 2114 Journalism Bldg. for applications, restrictions, and deadlines.			
0101	Time Arranged	Bldg. G, Room 2114	Kay, L
JOUR 398 Independent Study 1-3 credits; Grading Method: REG			
Contact department to make arrangements. Majors only.			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

JOUR cont.

JOUR 410 History of Mass Communication 3 credits; Grading Method: REG			
0201	BuWThF 11:00am-12:00pm	Bldg. G, Room 1105	Paterson, J
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 480 Mass Communication Research 3 credits; Grading Method: REG			
0101	MTuWThF 11:00am-12:00pm	Bldg. G, Room 1116	Smith, M
Prerequisite: MATH 110 or equivalent, students are encouraged to have completed the theory and technique courses in their major sequence. Communication research methods used in measuring public opinion and evaluating public relations, advertising, and mass media programs and materials.			
JOUR 492 Typography and Layout For Student Publications 3 credits; Grading Method: REG			
0101	Meets JUN 30 to JUL 18		
0101	MTuWThF 1:00pm-4:00pm	Bldg. G, Room 1105	Boyle, R
Type design, type families, graphics, art, photography, and editorial and advertisement layout of school newspapers, year books, and magazines			
JOUR 493 Advanced Techniques For Student Publication Advisers 3 credits; Grading Method: REG			
0101	Meets JUN 30 to JUL 18		
0101	MTuWThF 9:30am-12:00pm	Bldg. G, Room 1105	Boyle, R
Interpretive and investigative reporting; interview and scientific survey methods; curriculum and courses for high school and community colleges; textbooks, teaching units, and resource aids.			
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
JOUR 799 Masters Thesis Research 1-6 credits; Grading Method: REG			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

LATN**(ARTS AND HUMANITIES)**

LATN 120 Intensive Latin 4 credits; Grading Method: REG-P-F-AUD			
Meets USP Distributive Studies (A) Cultural and Historical requirement.			
0201	MTuWThF 11:00am-12:40pm	Bldg. LL, Room 1104	Meier, J
Prerequisite: permission of instructor. Not open for credit to students with credit for LATN 102. Elements of Latin grammar and vocabulary, elementary reading. The first year's study of Latin compressed into a single semester			
LATN 488 Independent Study in Latin Language and Literature 1-3 credits; Grading Method: REG-P-F-AUD			
0101	Time Arranged	Room Arranged	Rowland, R
0101	Latin Readings; Latin Readings for Teachers 3 credits; Grading Method: REG-P-F-AUD	Bldg. LL, Room 1104	O'Donnell, M
0101	TuTh 7:00pm-10:00pm		

LBSC**LIBRARY SCIENCE (HUMAN AND COMMUNITY RES)**

LBSC 488C Recent Trends and Issues in Library and Information Services: Introduction to Microcomputers 3 credits; Grading Method: REG-P-F-AUD			
0101	Tu 5:30pm-8:30pm	Bldg. ULB, Room 0115	Liebscher, P
Sa 9:30am-12:30pm Bldg. ULB, Room 0115			
An introduction to microcomputers as information research tools. Explores various applications of microcomputers in personal and professional settings. Provides hands-on experience in programming and with selected software packages.			
LBSC 499A Workshops, Clinics, and Institutes: Workshop in Archival Automation 3 credits; Grading Method: SF			
For information on non-credit workshop, (fee \$375) contact Jean Diepenbrock in the College of Library and Information Services, 454-3071. Additional project and lab required.			
0101	TuTh 5:30pm-8:30pm	Bldg. ULB, Room 0109	Burke, F
Explores computer applications in a broad range of records management and archival activities, including control of office files through appraisal, accessioning, arrangement, description, and use. Special emphasis will be placed on administering documentary collections with computer assistance.			
LBSC 600 Promoter: the Development and Operation of Libraries and Information Services 3 credits; Grading Method: SF/AUD			
0201	MTuWTh 10:30am-12:30pm	Bldg. ULB, Room 0103	Reynolds, M
Background and an orientation for advanced study in library and information services, including such areas as libraries as social institutions and as organizations; communication, professionalism; and the use and economics of information.			
LBSC 651 Introduction to Reference and Information Services 3 credits; Grading Method: REG/AUD			
0201	MTuWTh 1:00pm-3:00pm	Bldg. ULB, Room 0103	Cunningham, W
Information and reference systems, services, and tools provided in libraries and information centers. Problems connected with communication, questioning, negotiation, bibliographic control, and search processes are considered. Major types of information sources and modes of information delivery are introduced.			
LBSC 691 Microcomputers in Library Processing 3 credits; Grading Method: REG/AUD			
Plus additional lab.			
0101	MW 6:00pm-9:00pm	Bldg. ULB, Room 0103	Marchionni, G
Introduction to microcomputers via practical experience with programming, database management and information processing, word processing, instructional packages, and other applications. The use of personal computers in homes, schools, offices, and research information centers.			
LBSC 701 Research Methods in Library and Information Activity 3 credits; Grading Method: REG/AUD			
Additional project required			
0101	Tu 6:00pm-9:00pm	Bldg. ULB, Room 4113	Kidd, J
Sa 9:30am-12:30pm Bldg. ULB, Room 4113			
The techniques and strategies of research and their implications for the definition, investigation and evaluation of library problems.			
LBSC 707 Field Study in Library Service 3 credits; Grading Method: REG/AUD			
Permission of department required. Prerequisites: LBSC 600, 651, 691 or 691, and permission of instructor			
0201	Time Arranged	Room Arranged	Cunningham, W
Students with LBSC 600, 651, 691 or 691 and permission of instructor. Familiarization of the student with library operations through unpaid, supervised experience and/or the opportunity to perform a study to solve a specific problem in a suitable library or other information agency.			
LBSC 708E Special Topics in Library and Information Service: Principles of Software Evaluation 3 credits; Grading Method: REG/AUD			
Permission of department required. Includes laboratory.			
0101	MWTh 2:00pm-4:30pm	Bldg. ULB, Room 4113	Marchionni, G
Focuses on latest information and software necessary for selection and evaluating microcomputer software, ranging from understanding the hardware to analyzing the technical design of available programs. Principles of good software design for a variety of software and hardware environments will be explored.			
LBSC 708K Special Topics in Library and Information Service: On-Line Bibliographic Control: Survey of Major Systems, Problems and Trends 3 credits; Grading Method: REG/AUD			
Prerequisite: LBSC 671. Includes held trips in addition to class sessions listed.			
0101	MTh 11:30am-1:30pm	Bldg. ULB, Room 0115	Staff
Discusses online cataloging networks and public access catalogues for major research libraries, and integrated library systems. Examines costs, design, bibliographic formats, in-house systems vs			

LBSC cont.

	networks, evaluate criteria, drawbacks and the impact of current trends on the future of bibliographic control.		
LBSC 708N	Special Topics in Library and Information Service: Analysis of Client Groups/ Young Adult 3 credits; Grading Method: REG/AUD		
	Meets Saturday July 12 in addition to times listed below.		
0101	TuTh 5:30pm-8:30pm	Bldg. ULB, Room 4115	Liesener, J
	A seminar in the analysis of the special characteristics of youth and the resultant implications for the interpretation of information, materials and services in all types of library and information settings.		
LBSC 709	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
LBSC 727	Science Information and the Organization of Science		
	Plus additional project.		
0201	Tu 6:00pm-9:00pm	Bldg. ULB, Room 0103	Kidd, J
	Sa 9:30am-12:30pm	Bldg. ULB, Room 0103	
	Describes the institutional environments in which science information is produced, evaluated and disseminated.		
	Role of special libraries and information centers in the information transfer process. Analysis of the information transfer system; information needs, uses, and in part, management of special libraries and information centers; types, such as governmental or industrial libraries, archives, and information analysis centers.		
	Literary sources are studied and instruction and practice in oral techniques are offered.		
LBSC 751	Literature and Research in the Humanities 3 credits; Grading Method: REG/AUD		
	Plus lab and field trip		
0101	TuTh 1:00pm-4:00pm	Bldg. ULB, Room 0103	Stelco, F
	Analysis of the bibliographic organization and information structure, research methods and reference services in the humanities, focusing on core vocabularies, classification, representative reference tools, and the presentation of bibliographic information.		
LBSC 753	Literature and Research in the Social Sciences 3 credits; Grading Method: REG/AUD		
0101	TuTh 1:00pm-4:00pm	Bldg. ULB, Room 0103	White, M
	Factors affecting the generation and use of social science information including the characteristics of the social sciences and their methodology, the structure of literature, and control of diverse forms of social science information.		
LBSC 766	Business Information Services 3 credits; Grading Method: REG/AUD		
	Meets daily, June 2 through June 20		
0101	Meets JUn 2 to JUn 20		
	MTuWThF 10:00am-12:30pm	Bldg. ULB, Room 4115	Wasserman, P
	Survey and analysis of information sources in business, finance, and economics with emphasis upon their use in problem solving.		
LBSC 767	Governmental Information Systems 3 credits; Grading Method: REG/AUD		
0201	MTuWThF 5:00pm-7:00pm	Bldg. ULB, Room 4115	Reynolds, M
	Production and distribution of government information and its control and utilization within information agencies. State, local, foreign and international governmental information practices.		
	Prerequisite: LBSC 675 or LBSC 671 or permission of instructor. Advanced course in the area of information systems analysis and design. The design of indexing languages and procedures to be used in their construction. Application of these methods in a team project in which students construct an indexing language and an accompanying thesaurus. Analysis and evaluation of existing indexing languages and thesauri.		
LBSC 781	Problems of Nonbook Materials 3 credits; Grading Method: REG/AUD		
0101	MTuWThF 10:00am-12:00pm	Bldg. ULB, Room 4113	Wellisch, H
	Examination of nonbook materials such as audorecords, motion pictures, maps, videorecords, machine-readable data files, and realia. Technical services applicable to nonbook materials.		
LBSC 899	Doctoral Dissertation Research 1-3 credits; Grading Method: REG		
	Permission of department required.		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

LENF

INSTITUTE OF CRIMINAL JUSTICE AND CRIMINOLOGY (BEHAV AND SOCIAL SCI)

LENF 100	Introduction to Law Enforcement 3 credits; Grading Method: REG-P-FAUD		
	Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement.		
0101	MTuWThF 9:30am-10:50am	Bldg. SSB, Room 1220	Brooks, L
0201	MTuWThF 11:00am-12:20pm	Bldg. SSB, Room 1222	Paternoster, R
	Introduction to the administration of criminal justice in a democratic society with emphasis upon 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, detection, policy formulation.		
LENF 300	Criminological and Criminal Justice Research Methods 3 credits; Grading Method: REG		
	Prerequisite: LENF 100, CRIM 220 and one of the following: SOCV 201, PSYC 200, ECON 421, EDMS 451 or GVPT 422.		
0101	MTuWThF 11:00am-12:20pm	Bldg. AS, Room 3221	Paternoster, R
	Prerequisite: LENF 100, CRIM 220 and one of the following: SOCV 201, PSYC 200, ECON 421, BMGT 30, EDMS 451 or GVPT 422. 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.		
LENF 320	Introduction to Criminology 3 credits; Grading Method: REG-P-FAUD		
0101	TuTh 6:00pm-9:00pm	Bldg. SSB, Room 0208	Maunello, T
0201	TuTh 6:00pm-9:00pm	Bldg. SSB, Room 0208	Maunello, T
	Prerequisites: LENF 220 and consent of instructor. 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 its detection.		
LENF 386	Field Work 1-3 credits; Grading Method: REG		
	- Permission of department required. Have junior standing before August 1986; have 3.2 cumulative GPA, have earned a grade of A in the course assisting.		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
LENF 387	Field Work Analysis 1-3 credits; Grading Method: REG		
	Permission of department required. Have junior standing before August 1986, have a 3.2 cumulative GPA; have a grade of A in the course assisting.		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
LENF 398	Law Enforcement Field Training 1-3 credits; Grading Method: REG-P-FAUD		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
LENF 399	Directed Independent Research 1-3 credits; Grading Method: REG-P-FAUD		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
LENF 899	Special Problems in Criminal Justice 1-3 credits; Grading Method: REG/AUD		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

LENF cont.

LENF 799	Master's Thesis Research 1-6 credits; Grading Method: REG		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

MAPL

APPLIED MATHEMATICS (MATH AND PHYS SCI AND ENG)

MAPL 460	Computational Methods 3 credits; Grading Method: REG-P-FAUD		
0101	MTuWThF 9:30am-10:50am	Bldg. CSS, Room 3326	Staff
	Prerequisites: MATH 240, 241, and CMSC 110 or equivalent. Basic computational methods for interpretation, least squares approximation, numerical solution of polynomial and transcendental equations, systems of linear equations and initial value problems for ordinary differential equations. Emphasis on the methods and their computational properties rather than on their analytic aspects. Listed also as CMSC 460. (Credit will be given for only one of the courses, MAPL 460 or CMSC 460.)		
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 (MATH AND PHYS SCI AND ENG)

MATH 110	Introduction to Mathematics I 3 credits; Grading Method: REG-P-FAUD		
	MATH 110 is not open to students in mpse division		
0101	MTuWThF 8:00am-9:20am	Bldg. Y, Room 0101	Staff
0102	MTuWThF 9:30am-10:50am	Bldg. Y, Room 0106	Staff
0104	MTuWThF 11:00am-12:20pm	Bldg. Y, Room 0102	Staff
0201	MTuWThF 8:00am-9:20am	Bldg. Y, Room 0101	Staff
0202	MTuWThF 9:30am-10:50am	Bldg. Y, Room 0103	Staff
	Prerequisite: 2-1 1/2 years of college preparatory mathematics. If the student does not have a satisfactory SAT mathematics score, or did not take the SAT mathematics test, the student must take and pass a placement test, or take and pass MATH 001 before taking MATH 110. Linear programming, systems of linear equations, algebraic and transcendental functions with emphasis on their properties and graphs. (Not open to students majoring in mathematics, engineering or the physical sciences. Credit will be given for only one course, MATH 110 or MATH 115.)		
MATH 110S	Introduction to Mathematics I 3 credits; Grading Method: REG-P-FAUD		
	Permission of department required. In this version of MATH 110, each topic is preceded by an appropriate algebra review. Concurrent registration with "Essentially Algebra: A Workshop to Accompany MATH 110S" is required; see listing under workshops in this catalog. Workshop fee is \$110.		
0101	MTuWThF 8:45am-11:15am	Bldg. Y, Room B0421	Alter, M
MATH 111	Introduction to Mathematics II 3 credits; Grading Method: REG-P-FAUD		
	Meets USP Distributive Studies (B) Natural Sciences and Mathematics requirement. MATH 111 is not open to students in MPSE division.		
0101	MTuWThF 8:00am-9:20am	Bldg. Y, Room 0104	Staff
0102	MTuWThF 9:30am-10:50am	Bldg. Y, Room 0102	Staff
0103	MTuWThF 11:00am-12:20pm	Bldg. Y, Room 0103	Staff
0202	MTuWThF 9:30am-10:50am	Bldg. Y, Room 0103	Staff
	Prerequisite: 3-1 1/2 years of college preparatory mathematics and satisfactory performance on the SAT mathematics test, or MATH 110, or MATH 115. Logic, Boolean algebra, counting, probability, random variables, expectation applications of the normal probability distribution. Credit will be given for only one of the courses, MATH 111 or STAT 100. (Not open to students majoring in Mathematics, Engineering or the Physical Sciences.)		
MATH 115	Pre-Calculus 3 credits; Grading Method: REG-P-FAUD		
0101	MTuWThF 8:00am-9:20am	Bldg. Y, Room 0401	Staff
0102	MTuWThF 11:00am-12:20pm	Bldg. Y, Room 0104	Staff
0201	MTuWThF 8:00am-9:20am	Bldg. Y, Room 0105	Staff
0202	MTuWThF 9:30am-10:50am	Bldg. Y, Room 0105	Staff
	Prerequisite: 2-1 1/2 years of college preparatory mathematics. If the student does not have a satisfactory SAT mathematics score, or did not take the SAT mathematics test, the student must take and pass a placement test, or take and pass MATH 001 before taking MATH 115. An introductory course for students not qualified to start MATH 140 or MATH 220. Elementary functions and graphs, polynomials, rational functions, exponential and logarithmic functions, trigonometric functions. (Credit will be given for only one course, MATH 115 or MATH 110.)		
MATH 140	Calculus I 4 credits; Grading Method: REG-P-FAUD		
	Meets USP Distributive Studies (B) Natural Sciences and Mathematics requirement.		
0101	Meets JUN 2 to JUL 25		
0103	Meets JUN 2 to JUL 25	Bldg. Y, Room 0405	Staff
0105	Meets JUN 2 to JUL 25	Bldg. Y, Room 0304	Staff
	MTuWThF 11:00am-12:20pm	Bldg. Y, Room 0401	Staff
	Prerequisite: 3 1/2 years of college preparatory mathematics (including trigonometry) or MATH 115. Introductory 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. (Credit will be given for only one course, MATH 140 or MATH 220.)		
MATH 141	Calculus II 4 credits; Grading Method: REG-P-FAUD		
	Meets USP Distributive Studies (B) Natural Sciences and Mathematics requirement.		
0101	Meets JUN 2 to JUL 25		
0103	Meets JUN 2 to JUL 25	Bldg. Y, Room 0304	Staff
0105	Meets JUN 2 to JUL 25	Bldg. Y, Room 0305	Staff
	MTuWThF 11:00am-12:20pm	Bldg. Y, Room 0305	Staff
	Prerequisite: MATH 140 or equivalent. Continuation of MATH 140, including techniques of integration, improper integrals, applications of integrals (such as length, moments), inverse functions, exponential and logarithmic functions, sequences and series. Credit will be given for only one course, MATH 141 or MATH 221.		
MATH 210	Elements of Mathematics 4 credits; Grading Method: REG-P-FAUD		
	Meets USP Distributive Studies (B) Natural Sciences and Mathematics requirement. Open only to elementary education majors.		
0101	Meets JUN 2 to JUL 25		
	MTuWThF 8:00am-9:20am	Bldg. Y, Room 1311	Staff
	Prerequisite: one year of college preparatory algebra. Required for majors in elementary education, and open only to students in this field. Topics from algebra and number theory, designed to provide insight into arithmetic inductive proof, the natural number system based on the Peano axioms, mathematical systems, groups, fields, the system of integers, the system of rational numbers, congruence, divisibility, systems of numeration.		

MATH cont.

MATH 211 Elements of Geometry 4 credits; *Grading Method: REG-P-F-AUD*
Meets USP Distributive Studies (B)Natural Sciences and Mathematics requirement Open only to elementary education majors

0101 Meets JUN 2 to JUL 25
MTuWThF 9:30am-10:50am Bldg Y, Room 1308 Staff
Prerequisite: MATH 120 or equivalent Structure of mathematics systems, algebra of sets, geometrical structures, logic, measurement, congruence, similarity, 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

0101 MTuWThF 8:00am-9:20am Bldg Y, Room 0105 Staff
0103 MTuWThF 9:30am-10:50am Bldg Y, Room 0105 Staff
0105 MTuWThF 11:00am-12:20pm Bldg Y, Room 0306 Staff
0201 MTuWThF 8:00am-9:20am Bldg Y, Room 0306 Staff
0202 MTuWThF 9:30am-10:50am Bldg Y, Room 0307 Staff
0203 MTuWThF 11:00am-12:20pm Bldg Y, Room 0303 Staff

Prerequisite: MATH 141 or equivalent Basic concepts of linear algebra, vector spaces, applications to differential and integral calculus, with emphasis on elementary techniques of differentiation and applications. Not open to students majoring in mathematics, engineering or the physical sciences. Credit will be given for only one course, MATH 140 or MATH 120.

MATH 221 Elementary Calculus II 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 Y, Room 0407 Staff
0201 MTuWThF 8:00am-9:20am Bldg Y, Room 0403 Staff
Prerequisite: MATH 220 or MATH 140 or equivalent differential and integral calculus, with emphasis on elementary techniques of integration and applications. Not open to students majoring in mathematics, engineering or the physical sciences. Credit will be given for only one course, MATH 141 or MATH 221.

MATH 340 Introduction to Linear Algebra 4 credits; *Grading Method: REG-P-F-AUD*

Meets USP Distributive Studies (B)Natural Sciences and Mathematics requirement Credit will be given for only one of MATH 240, MATH 400, OR MATH 461.

0101 Meets JUN 2 to JUL 25
MTuWThF 11:00am-12:20pm Bldg Y, Room 0106 Staff
Prerequisite: MATH 141 or equivalent 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. Credit will be given for only one course, MATH 240 or MATH 400 or MATH 461.

MATH 241 Calculus III 4 credits; *Grading Method: REG-P-F-AUD*
Meets USP Distributive Studies (B)Natural Sciences and Mathematics requirement

0101 Meets JUN 2 to JUL 25
MTuWThF 8:00am-9:20am Bldg Y, Room 0106 Staff
0102 Meets JUN 2 to JUL 25
MTuWThF 11:00am-12:20pm Bldg Y, Room 0201 Staff
Prerequisite: MATH 141 and any one of the following: MATH 240 or ENES 110, or PHYS 191 Introduction to multivariable calculus, including vectors and vector-valued functions, partial derivatives and applications of partial derivatives (such as tangent planes and Lagrange multipliers) multiple integrals, volume, surface area, and the classical theorems of Green, Stokes and Gauss.

MATH 246 Differential Equations For Scientists and Engineers
3 credits; *Grading Method: REG-P-F-AUD*

Meets USP Distributive Studies (B)Natural Sciences and Mathematics requirement.
0101 MTuWThF 8:00am-9:20am Bldg Y, Room 0201 Staff
0102 MTuWThF 9:30am-10:50am Bldg Y, Room 0201 Staff
0201 MTuWThF 8:00am-9:20am Bldg Y, Room 0306 Staff
0202 MTuWThF 9:30am-10:50am Bldg Y, Room 0407 Staff

Prerequisite: MATH 141 or equivalent An introduction to the basic methods of solving ordinary differential equations. Equations of first and second order, linear differential equations, Laplace transforms, numerical methods, and the qualitative theory of differential equations.

MATH 401 Applications of Linear Algebra 3 credits; *Grading Method: REG-P-F-AUD*

0101 MTuWThF 11:00am-12:20pm Bldg Y, Room 0409 Staff
Prerequisite: MATH 400, or MATH 240, or consent of instructor 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, transportation problems.

MATH 406 Introduction to Number Theory 3 credits; *Grading Method: REG-P-F-AUD*
Meets USP Advanced Studies Development of Knowledge requirement.

0101 MTuWThF 8:00am-9:20am Bldg Y, Room 0307 Staff
0102 MTuWThF 11:00am-12:20pm Bldg Y, Room 0103 Staff
Prerequisite: MATH 141, or MATH 221 or consent of instructor Rational integers, divisibility, prime numbers, modules and linear forms, unique factorization theorem, Euler's function, Mobius' function, cyclotomic 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; *Grading Method: REG-P-F-AUD*

0101 Meets JUN 2 to JUL 25
MTuWThF 9:30am-10:50am Bldg Y, Room 0303 Staff
Prerequisites: MATH 240 and MATH 241. 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, and the multiple integrals, line and surface integrals. The implicit function theorem.

MATH 444 Elementary Logic and Algorithms 3 credits; *Grading Method: REG-P-F-AUD*

0101 MTuWThF 8:00am-9:20am Bldg Y, Room 0407 Staff
0102 MTuWThF 11:00am-12:20pm Bldg Y, Room 0304 Staff
0103 MTuWThF 9:30am-10:50am Bldg Y, Room 0403 Canceled, X
Prerequisite: MATH 141 or consent of instructor An elementary development of propositional logic, predicate logic, set algebra, and Boolean algebra, with a discussion of Markov algorithms, Turing machines and recursive functions. Topics include post problems, word problems, and formal languages. (Also listed as CMSC 450).

MATH 461 Linear Algebra For Scientists and Engineers 3 credits; *Grading Method: REG-P-F-AUD*
Credit will be given for only one of MATH 240, MATH 400, OR MATH 461.

0101 MTuWThF 11:00am-12:20pm Bldg Y, Room 0407 Staff
0102 MTuWThF 9:30am-10:50am Bldg Y, Room 0101 Staff
0201 MTuWThF 9:30am-10:50am Bldg Y, Room B0421 Staff
Prerequisite: MATH 141 or one MATH/STAT course for which MATH 141 is a prerequisite. 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. Credit will be given for only one of MATH 240, MATH 400 or MATH 461.

MATH 462 Partial Differential Equations For Scientists and Engineers
3 credits; *Grading Method: REG-P-F-AUD*

0101 MTuWThF 11:00am-12:20pm Bldg Y, Room 0403 Staff
0201 MTuWThF 8:00am-9:20am Bldg Y, Room B0421 Staff
Prerequisites: MATH 241 and MATH 246. Linear waves 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. (Credit will be given for only one of the courses MATH 462 or MATH 415.)

MATH cont.

MATH 463 Complex Variables For Scientists and Engineers

0101 MTuWThF 9:30am-10:50am Bldg Y, Room 0103 Staff
0201 MTuWThF 11:00am-12:20pm Bldg Y, Room 0204 Staff
0202 MTuWThF 9:30am-10:50am Bldg Y, Room 0301 Staff
Prerequisite: MATH 241 or equivalent. Basic concepts 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 Masler's Thesis Research 1-6 credits; *Grading Method: REG*

0101 Time Arranged Room Arranged Staff
0201 Time Arranged Room Arranged Staff

MATH 899 Doctoral Dissertation Research 1-8 credits; *Grading Method: REG*

0101 Time Arranged Room Arranged Staff
0201 Time Arranged Room Arranged Staff

MEES

MARINE - ESTUARINE - ENVIRONMENTAL SCIENCES (.)

MEES 608A Seminar in Marine-Estuarine-Environmental Sciences: Benthic Ecology; *Grading Method: REG-AUD*

Course meets at Chesapeake Biological Lab
0201 Time Arranged Room Arranged Tenore, K

MEES 631 Ecology of Estuarine Microbes I 5 credits; *Grading Method: REG-AUD*
Course meets at Chesapeake Biological Lab
0101 TuWThF 10:00am-12:00pm Room Arranged Brownlee, D
TuWThF 2:00pm-5:00pm Room Arranged (LAB)

Prerequisite: introductory course in each of Botany, Microbiology and Zoology, as well as Ecology, Physiology and Systematics. Basic concepts of the distribution and integral calculus, with emphasis on elementary techniques of integration and applications. Not open to students majoring in mathematics, engineering or the physical sciences. Credit will be given for only one course, MATH 141 or MATH 221.

Prerequisite: introductory course in each of Botany, Microbiology and Zoology, as well as Ecology, Physiology and Systematics. Basic conceptual treatment of estuarine microbial interactions with emphasis on the algae, protozoa, bacteria and viruses of the Chesapeake Bay. The laboratory will stress observation and experimentation with collected material. Field and shipboard experience are included. Offered during summer session only.

MEES 632 Ecology of Estuarine Microbes II; *Grading Method: REG-AUD*
Course meets at Chesapeake Biological Lab
0101 Time Arranged Room Arranged (LAB) Brownlee, D

Schedule by arrangement with instructor. Pre or corequisite: MEES 631 Directed research on problems of estuarine microbial interactions.

MEES 699 Special Problems in Marine-Estuarine-Environmental Sciences
1-3 credits; *Grading Method: REG-AUD*

0101 Time Arranged Room Arranged Staff
0201 Time Arranged Room Arranged Staff

MEES 799 Masler's Thesis Research 1-6 credits; *Grading Method: REG*

0101 Time Arranged Room Arranged Staff
0201 Time Arranged Room Arranged Staff

MEES 899 Doctoral Dissertation Research 1-8 credits; *Grading Method: REG*

0101 Time Arranged Room Arranged Staff
0201 Time Arranged Room Arranged Staff

METO

METEOROLOGY (MATH AND PHYS SCI AND ENG)

METO 499 Special Problems in Atmospheric Science 1-3 credits; *Grading Method: REG-P-F-AUD*

0101 Time Arranged Room Arranged Staff
0201 Time Arranged Room Arranged Staff

METO 799 Masler's Thesis Research 1-6 credits; *Grading Method: REG*

0101 Time Arranged Room Arranged Staff
0201 Time Arranged Room Arranged Staff

METO 899 Doctoral Dissertation Research 1-8 credits; *Grading Method: REG*

0101 Time Arranged Room Arranged Staff
0201 Time Arranged Room Arranged Staff

MICB

MICROBIOLOGY (AGRI AND LIFE SCI)

MICB 200 General Microbiology 4 credits; *Grading Method: REG-P-F-AUD*
Meets USP Distributive Studies (B)Natural Sciences and Mathematics requirement.

0101 MTuWThF 8:00am-9:00am Bldg T, Room 0124 Hetrick, F
MTuWThF 9:00am-11:00am Bldg T, Room 2105 (LAB) Hetrick, F
0102 MTuWThF 9:00am-11:00am Bldg T, Room 2105 (LAB) Hetrick, F
0103 MTuWThF 8:00am-9:00am Bldg T, Room 2124 Hetrick, F
MTuWThF 9:00am-11:00am Bldg T, Room 2119 (LAB)
D 2021 MTuWThF 9:30am-10:50am Bldg Y, Room 2105 (LAB) Roszak-MacDonnell,
D 2022 MTuWThF 9:30am-10:50am Bldg Y, Room 2124 Roszak-MacDonnell,
MTuWTh 10:50am-1:00pm Bldg T, Room 2109 (LAB)

Prerequisite: one semester of chemistry The history of microbiology, 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; *Grading Method: REG-P-F-AUD*

0101 Time Arranged Room Arranged Clayton, W
0201 Time Arranged Room Arranged Clayton, W

MICB 388 Special Topics In Microbiology 1-4 credits; *Grading Method: REG-P-F-AUD*

0101 Time Arranged Room Arranged Clayton, W
0201 Time Arranged Room Arranged Clayton, W

MICB 399 Microbiological Problems 3 credits; *Grading Method: REG-P-F-AUD*

0101 Time Arranged Room Arranged Clayton, W
0201 Time Arranged Room Arranged Clayton, W

MICB 480 Microbial Ecology 3 credits; *Grading Method: REG-P-F-AUD*

0101 MTuWThF 10:30am-12:00pm Bldg T, Room 0124 Clayton, W
0201 MTuWThF 11:00am-12:30pm Bldg T, Room 0124 Clayton, W

Prerequisites: MICB 200 and CHEM 243 or 245 Interaction of microorganisms with the environment, other microorganisms and with higher organisms. Roles of microorganisms in the biosphere; Microorganisms and current environmental problems.

MICB 698 Special Topics 1-4 credits; *Grading Method: REG-AUD*

0101 Time Arranged Room Arranged Staff
0201 Time Arranged Room Arranged Staff

MICB 799 Masler's Thesis Research 1-6 credits; *Grading Method: REG*

0101 Time Arranged Room Arranged Staff
0201 Time Arranged Room Arranged Staff

MICB 899 Doctoral Dissertation Research 1-8 credits; *Grading Method: REG*

0101 Time Arranged Room Arranged Staff
0201 Time Arranged Room Arranged Staff

MUED

(HUMAN AND COMMUNITY RES)

MUSIC EDUCATION

- MUED 495A Workshops, Clinics, Institutes:** Choral Conducting and Literature Workshop • Grades 4-12 3 credits. *Grading Method: REG AUD*
 0101 Meets JUN 23 to JUL 7
 MTuWThF 8:30am-12:15pm Bldg NN, Room 3238 Folstrom, R
- MUED 495B Workshops, Clinics, Institutes:** Band Conducting and Literature Workshop • Grades 4-12 3 credits. *Grading Method: REG AUD*
 0201 Meets JUN 23 to JUL 7
 MTuWThF 8:30am-12:15pm Bldg NN, Room 1102 Gallagher, C
- MUED 495C Workshops, Clinics, Institutes:** Developing and Charting the Marching Band, Poms and Flags 3 credits. *Grading Method: REG AUD*
 0101 Meets JUN 23 to JUL 7
 MTuWThF 12:30pm-4:15pm Bldg NN, Room 1102 Sparks, L
- MUED 495D Workshops, Clinics, Institutes:** Planning Movement Experiences and Literature for Musical 3 credits. *Grading Method: REG AUD*
 0101 Meets JUN 23 to JUL 7
 MTuWThF 12:30pm-4:15pm Bldg NN, Room 3238 Shelley, S
- MUED 698A Current Trends in Music Education:** Choral Conductations and Literature Workshop: Grades 4-12 3 credits. *Grading Method: REG AUD*
 0101 Meets JUN 23 to JUL 7
 MTuWThF 8:30am-12:15pm Bldg NN, Room 3238 Folstrom, R
- MUED 698B Current Trends in Music Education:** Band Conducting and Literature Workshop 3 credits. *Grading Method: REG AUD*
 0201 Meets JUN 23 to JUL 7
 MTuWThF 8:30am-12:15pm Bldg NN, Room 1102 Gallagher, C
- MUED 698C Current Trends in Music Education:** Developing and Charting the Marching Band, Poms and Flags 3 credits. *Grading Method: REG AUD*
 0101 Meets JUN 23 to JUL 7
 MTuWThF 12:30pm-4:15pm Bldg NN, Room 1102 Sparks, L
- MUED 698D Current Trends in Music Education:** Planning Movement Experiences and Literature for Musical 3 credits. *Grading Method: REG AUD*
 0101 Meets JUN 23 to JUL 7
 MTuWThF 12:30pm-4:15pm Bldg NN, Room 3238 Shelley, S

MUSC

(ARTS AND HUMANITIES)

MUSIC

- MUSC 100A Beginning Class Voice 2 credits. Grading Method: REG AUD**
 Open to non-music majors
 0101 MTuWTh 9:30am-10:50am Bldg NN, Room 3228 Fleming, L
 0201 MTuWTh 9:30am-10:50am Bldg NN, Room 3228 Fleming, L
- MUSC 130 Survey of Music 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 NN, Room 2102 Troth, E
 Open to all students except music and music education majors. MUSC 130 and 131 may not both be taken for credit. A study of the principles upon which music is based, and an introduction to the musical repertoires performed in America today.
- MUSC 329Z Ensemble: University Chorus • Grading Method: REG AUD**
 Permission of department required. Students who wish to register for Summer Session II only, must also participate in Summer Session I.
 0101 Tu 7:00pm-10:00pm Bldg NN, Room 2102 Traver, P
 0201 Tu 7:00pm-10:00pm Bldg NN, Room 2102 Traver, P
- MUSC 448C Special Topics in Music: Flute Masterclass 2 credits. Grading Method: REG AUD**
 0101 Meets JUL 16 to JUL 13
 MTuWThF 10:00am-10:00pm Bldg NN, Room 3125 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 608 Chamber Music Repertoire 1-3 credits. Grading Method: REG AUD**
 Permission of department required
 0101 Tu 7:00pm-10:00pm Bldg NN, Room 2102 Traver, P
 0201 Tu 7:00pm-10:00pm Bldg NN, Room 2102 Traver, P
- MUSC 699 Special Topics in Music 2-6 credits. Grading Method: REG AUD**
 0101 Time Arranged Room Arranged Staff
 0201 Time Arranged Room Arranged Staff
- MUSC 699C Special Topics in Music: Flute Masterclass 2 credits. Grading Method: REG AUD**
 0101 Meets JUL 16 to JUL 13
 MTuWThF 10:00am-10:00pm Bldg NN, Room 3125 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

NUSC

(AGRI AND LIFE SCI)

NUTRITIONAL SCIENCE

- 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

(HUMAN AND COMMUNITY RES)

NUTRITION

- 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 11:00am-12:20pm Bldg H, Room 1400 Taylor, M
 Fundamentals of human nutrition. Nutrient requirements related to changing individual and family needs. Credit will be given for only one course: NUTR 100 or NUTR 200

NUTR cont.

- NUTR 200 Nutrition For Health Services 3 credits. Grading Method: REG P-F AUD**
 0101 MWF 9:30am-10:50am Bldg H, Room 3418 Guthrie, J
 TuTh 9:00am-11:00am Bldg H, Room 3418 (LAB)
- Pre- or co-requisite: CHEM 104, ZOOL 200 or 202. 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. Credit will be given for only one course: NUTR 100 or 200
- NUTR 460 Therapeutic Human Nutrition 3 credits. Grading Method: REG P-F AUD**
 Not open for graduate credit. Prerequisites: NUTR 300 and 450
 0101 MWF 10:00am-4:00pm Bldg H, Room 3418 (LAB) Shpley-Moses, E
 MWF 10:00am-4:00pm Bldg H, Room 3418 (LAB)
 Prerequisites: NUTR 300, 450. Modifications of the normal aquatic diet to meet human nutritional needs in pathological conditions.
- NUTR 670 Intermediate Metabolism in Nutrition 3 credits. Grading Method: REG AUD**
 Prerequisite: CHEM 461, 462 or equivalent
 0101 MTuWThF 9:30am-10:50am Bldg H, Room 0108 Ahrens, R
 Second semester. Prerequisite: CHEM 461, 462, or equivalent. The major routes of carbohydrate, fat, and protein metabolism with particular emphasis on metabolic shifts and their detection and significance in nutrition.
- NUTR 678A Special Topics in Nutrition: Independent Study 1-6 credits. Grading Method: REG AUD**
 Permission of instructor required
 0101 Time Arranged Room Arranged Staff
 0101 Time Arranged Room Arranged Staff
- NUTR 799 Master's Thesis Research 1-6 credits. Grading Method: REG**
 0201 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

(ARTS AND HUMANITIES)

PUBLIC COMMUNICATION

- PCOM 888 Doctoral Practicum in Public Communication 3-9 credits. Grading Method: REG AUD**
 0201 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

(HUMAN AND COMMUNITY RES)

- PHED 137N Physical Education Activities: Coed: Golf (Beginning) • Grading Method: REG P-F**
 0101 MTuWTh 9:30am-10:50am Bldg PRH, Room 1101 Staff
 0201 MTuWTh 11:00am-12:20pm Bldg PRH, Room 1101 Staff
- PHED 146N Physical Education Activities: Coed: Racquet Ball • Grading Method: REG P-F**
 0201 MTuWTh 8:00am-9:20am Bldg PRH, Room 0222 Staff
 0202 MTuWTh 10:00am-12:20pm Bldg PRH, Room 0222 Staff
- PHED 154N Physical Education Activities: Coed: Beginning Swimming • Grading Method: REG P-F**
 0101 MTuWTh 1:00pm-2:20pm Bldg W, Room 1111 Staff
 0201 MTuWTh 1:00pm-2:20pm Bldg W, Room 1112 Staff
- PHED 155N Physical Education Activities: Coed: Tennis (Beginning) • 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 9:30am-10:50am Bldg PRH, Room 2240 Staff
 0203 MTuWTh 11:00am-12:20pm Bldg PRH, Room 2240 Staff
- PHED 155O Physical Education Activities: Coed: Tennis (Intermediate) • Grading Method: REG P-F**
 0101 MTuWTh 8:00am-9:20am Bldg PRH, Room 2101 Staff
 0102 MTuWTh 9:30am-10:50am Bldg PRH, Room 2101 Staff
 0103 MTuWTh 11:00am-12:20pm Bldg PRH, Room 2101 Staff
 0201 MTuWTh 8:00am-9:20am Bldg PRH, Room 2101 Staff
 0202 MTuWTh 9:30am-10:50am Bldg PRH, Room 2101 Staff
 0203 MTuWTh 11:00am-12:20pm Bldg PRH, Room 2101 Staff
- PHED 155P Physical Education Activities: Coed: Advanced Tennis • Grading Method: REG P-F**
 0101 MTuTh 4:30pm-6:30pm Bldg PRH, Room 2240 Staff
- PHED 157N Physical Education Activities: Coed: Weight Training (Beginning) • Grading Method: REG P-F**
 0101 MTuWTh 8:00am-9:20am Bldg PRH, Room 0101 Staff
 0102 MTuWTh 9:30am-10:50am Bldg PRH, Room 0101 Staff
 0201 MTuWTh 8:00am-9:20am Bldg PRH, Room 0101 Staff
- PHED 157O Physical Education Activities: Coed: Weight Training (Intermediate) • Grading Method: REG P-F**
 0201 MTuWTh 9:30am-10:50am Bldg PRH, Room 0101 Staff
- PHED 161O Physical Education Activities: Coed: Conditioning (Aerobic Dance) • Grading Method: REG P-F**
 0101 MTuWTh 11:00am-12:20pm Bldg PRH, Room 0110 Staff
 0102 MTuWTh 11:00am-12:20pm Bldg PRH, Room 0110 Staff
 0201 MTuWTh 9:30am-10:50am Bldg PRH, Room 0110 Staff
- PHED 289 Topical Investigations 1-3 credits. Grading Method: REG**
 Permission of department required
 0101 Time Arranged Room Arranged Staff
 0201 Time Arranged Room Arranged Staff
- PHED 289O Topical Investigations: Introduction to Exercise Science 3 credits. Grading Method: REG P-F**
 0101 MW 10:00am-4:00pm Bldg PRH, Room 0307 Goldfarb, A
- PHED 293 History of Sport in America 3 credits. Grading Method: REG P-F AUD**
 Meets USP Distributive Studies (A) Cultural and Historical requirement
 0101 TuTh 1:00pm-4:00pm Bldg PRH, Room 1303 Struna, N
 The growth and development of sport in America. The transformation of sport within the perspective of American history, including class sport, professionalism, amateurism, and international movement.
- PHED 300 Kinesiology 4 credits. Grading Method: REG P-F AUD**
 0201 MTuWTh 11:00am-12:20pm Bldg PRH, Room 2132 Kelley, D
 Prerequisites: ZOOL 201, 202. The study of human movement and the physical and physiological principles upon which it depends. Body mechanics, muscular efficiency, sports, the performance of a typical individual and the influence of growth and development upon motor performance.

PHED cont.

- PHED 350** The Psychology of Sports 3 credits; Grading Method: REG P-F-AUD
Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement
0101 TuTh 4:00pm-7:00pm Bldg PRH, Room 1301 Stet, D
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 emotion, 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
0101 MTuWThF 1:00pm-2:00pm Bldg PRH, Room 2132 Ryder, M
Prerequisites: Z00L 101, 201 and 202 and consent of instructor. A study of the physiology of exercise, including cardiorespiratory, muscular, endocrine, energy, transfusion, metabolism, oxygen debt, and nutrition and athletic performance. Emphasis on cardiovascular and respiratory function in relation to physical activity and training.
- PHED 361** Weight Control Through Diet and Exercise 3 credits; Grading Method: REG P-F-AUD
0201 MTuWThF 11:00am-12:00pm Bldg PRH, Room 1305 Fortwall, M
Lecture and laboratory. The basic principles of weight control are given and the students participate in diet and exercise programs.
- PHED 385** Motor Learning and Skilled Performance 3 credits; Grading Method: REG P-F-AUD
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 methodology, individual differences, specificity, proprioceptive control of movement, motivation, timing, transfer, and retention.
- PHED 389** Topical Investigations 1-3 credits; Grading Method: REG
Permission of department required.
0101 Time Arranged Room Arranged Staff
0201 Time Arranged Room Arranged Staff
- PHED 406** Perceptual-Motor Development in the Young Child 3 credits; Grading Method: REG P-F-AUD
0201 MW 4:00pm-7:00pm Bldg PRH, Room 0305 Church, K
Analysis of perceptual-motor components, their progression, interrelationships, developmental activities and evaluation. Study of the growth and other factors that influence perceptual-motor development in the young child.
- PHED 489N** Field Laboratory Projects and Workshop: Methods and Techniques for Teaching Aerobic Dance 2 credits; REG P-F
Course meets for 2 weeks only
0101 Meets JUN 23 to JUL 3
0101 TuWThF 9:00am-12:00pm Bldg PRH, Room 0102 Brown, E
- PHED 493** History and Philosophy of Sport and Physical Education 3 credits; Grading Method: REG P-F-AUD
0101 MTuWThF 9:30am-10:50am Bldg PRH, Room 1301 Hull, J
History and philosophical implications of sport and physical education through ancient, medieval, and contemporary periods in modern civilization.
- PHED 496** Quantitative Methods 3 credits; Grading Method: REG P-F-AUD
0101 MW 4:00pm-7:00pm Bldg PRH, Room 0303 Vaccaro, P
Statistical techniques most frequently used in research pertaining to physical education. Effort is made to provide the student with the necessary skills, and to acquaint him with the interpretations and applications of these techniques.
- PHED 497** Independent Studies Seminar 3 credits; Grading Method: REG
0101 TuTh 4:00pm-7:00pm Bldg PRH, Room 0307 Staff
Discussions of contemporary issues vital to the discipline, critiques of research in the student's 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
Lab Fee \$30.00.
0101 MW 1:00pm-4:00pm Bldg PRH, Room 1302 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
0201 Time Arranged Room Arranged Staff
- PHED 799** Master's Thesis Research 1-3 credits; Grading Method: REG
Permission of department required.
0101 Time Arranged Room Arranged Staff
0101 Time Arranged Room Arranged Staff
- PHED 899** Doctoral Dissertation Research 1-8 credits; Grading Method: REG
Permission of department required.
0101 Time Arranged Room Arranged Staff

PHILOSOPHY**(ARTS AND HUMANITIES)**

- PHIL 100** Introduction to Philosophy 3 credits; Grading Method: REG P-F-AUD
Meets USP Distributive Studies (A) Cultural and Historical requirement
0101 TuTh 3:30pm-6:50pm Bldg T, Room 1113 Martin, R
0201 MTuWThF 12:30pm-1:50pm Bldg PR, Room 0117 Such, S
An introduction to the literature, problems, and methods of philosophy either through a study of some of the main figures in philosophic thought or through an examination of some of the central and recurring problems of philosophy.
- PHIL 140** Contemporary Moral Issues 3 credits; Grading Method: REG P-F-AUD
Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement
0201 MTuWThF 11:00am-12:20pm Bldg T, Room 1113 Oedel, 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-AUD
0101 MTuWThF 9:30am-10:50am Bldg T, Room 1113 Oedel, S
A general introduction to the discipline of logic. Traditional and modern deductive techniques, informal fallacies.
- PHIL 173** Logic and the English Language 1.3 credits; Grading Method: REG P-F-AUD
0201 MTuWThF 8:00am-9:20am Bldg T, Room 1106 Pasch, A
Basic techniques for analyzing deductive arguments. The uses of these techniques to eliminate the grammar and the logic of English sentences. The capacity of the English language to express logical distinctions. Exercises in analyzing the logical structure of published writings of varied style and content.
- PHIL 250** Philosophy of Science 1.3 credits; Grading Method: REG P-F-AUD
Meets USP Distributive Studies (A) Cultural and Historical requirement
0101 MTuWThF 11:00am-12:20pm Bldg T, Room 1106 Cordero, A
An introduction to the main issues in the philosophy of science, giving special attention to the ways scientific developments have influenced the philosophy of science and how philosophy of science has influenced scientific progress. Case studies of selected historical periods in which science and philosophy have interacted significantly, focusing on the physical, biological, or social sciences. Students cannot receive credit for both HIST 204 and PHIL 250.
- PHIL 308A** Studies in Contemporary Philosophy: Philosophy of Literature and Film 3 credits; Grading Method: REG P-F-AUD
Meets USP Advanced Studies Development of Knowledge requirement.
0101 MTuWThF 11:00am-12:20pm Bldg T, Room 1113 Levinson, J
Course will deal with problems in the understanding of narrative fiction which are common to literature and film, and with differences between the two media in relation to various artistic goals, narrative and otherwise. We will be interested centrally in the ways and means by which literary and cinematic works manage to contain intellectual content, convey thoughts or attitudes, or present

PHIL cont.

- views of the world. And this merely, it seems, by telling stories. Prerequisite: Two courses in Literature/Film, or one Literature/Film and one Philosophy course.
- PHIL 334** Philosophy of Music 3 credits; Grading Method: REG P-F-AUD
Meets USP Advanced Studies Development of Knowledge requirement.
0101 MTuWThF 12:30pm-1:50pm Bldg T, Room 1113 Goehr, L
The nature, meaning, and purpose of music. Analysis of the concepts of creativity, form, expression, and representation as they relate to music. Theories of music listening and of musical evaluation. Readings from philosophers, composers, critics, and psychologists.
- PHIL 371** Symbolic Logic 1.3 credits; Grading Method: REG P-F-AUD
0201 MTuWThF 9:30am-10:50am Bldg T, Room 1106 Ceteriar, J
The formal analysis of deductive reasoning providing familiarity with techniques of formal deduction in propositional logic and quantification theory, as well as some knowledge of basic concepts of formal semantics (truth tables, models).
- PHIL 447** Philosophy of Law 3 credits; Grading Method: REG P-F-AUD
Meets USP Advanced Studies Development of Knowledge requirement.
0101 MTuWThF 9:30am-10:50am Bldg T, Room 1106 Umbaugh, B
0201 MTuWThF 9:30am-10:50am Bldg T, Room 1113 Johnson, C
Prerequisite: one course in philosophy. Examination of fundamental concepts related to law, e.g., legal system, law and morality, justice, legal reasoning, responsibility.
- PHIL 498** Topical Investigations 1-3 credits; Grading Method: REG P-F-AUD
Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement. This course meets with you have already chosen a topic and you obtained the agreement of some faculty member of the philosophy department to work together with you on that topic.
0101 Time Arranged Room Arranged Staff
0201 Time Arranged Room Arranged Staff
- PHIL 688** Selected Problems in Philosophy 1-3 credits; Grading Method: REG AUD
0101 Time Arranged Room Arranged Staff
0201 Time Arranged Room Arranged Staff
- PHIL 799** Master's Thesis Research 1-6 credits; Grading Method: REG
Contact department to make arrangements.
0101 Time Arranged Room Arranged Staff
0201 Time Arranged Room Arranged Staff
- PHIL 899** Doctoral Dissertation Research 1-8 credits; Grading Method: REG
Contact department to make arrangements.
0101 Time Arranged Room Arranged Staff
0201 Time Arranged Room Arranged Staff

PHYS (MATH AND PHYS SCI AND ENG)**PHYSICS**

- PHYS 121** Fundamentals of Physics I 4 credits; Grading Method: REG P-F-AUD
Meets USP Distributive Studies (B) Natural Sciences and Mathematics requirement. This course meets entire Summer Session I plus the first two weeks of Summer Session II.
0101 Meets JUN 2 to JUL 24 Bldg Z, Room 0405 Restorf, K
MTuWThF 9:30am-10:50am Bldg Z, Room 0405 Restorf, K
MW 2:00pm-4:00pm Bldg Z, Room 3306 (LAB) Restorf, K
MW 1:00pm-1:50pm Bldg Z, Room 4220 (DIS) Restorf, K
0102 Meets JUN 2 to JUL 24 Bldg Z, Room 0405 Restorf, K
MTuWThF 9:30am-10:50am Bldg Z, Room 0405 Restorf, K
TuTh 2:00pm-4:00pm Bldg Z, Room 3306 (LAB) Restorf, K
TuTh 2:00pm-1:50pm Bldg Z, Room 4220 (DIS) Restorf, K
Prerequisite: previous course work in trigonometry or MATH 110 or MATH 115. The first part of a two-semester course in general physics treating the fields of mechanics, heat, sound, electricity, magnetism, optics, and modern physics. Together with PHYS 122, this generally satisfies the minimum requirement of medical and dental schools.
- PHYS 122** Fundamentals of Physics II 4 credits; Grading Method: REG P-F-AUD
Meets USP Distributive Studies (B) Natural Sciences and Mathematics requirement. This course meets entire Summer Session I plus the first two weeks of Summer Session II.
0101 Meets JUN 2 to JUL 24 Bldg Z, Room 1402 Rapport, M
MTuWThF 9:30am-10:50am Bldg Z, Room 3316 (LAB) Rapport, M
MW 2:00pm-4:00pm Bldg Z, Room 0405 (DIS) Rapport, M
0102 Meets JUN 2 to JUL 24 Bldg Z, Room 1402 Rapport, M
MTuWThF 9:30am-10:50am Bldg Z, Room 3316 (LAB) Rapport, M
TuTh 2:00pm-4:00pm Bldg Z, Room 0405 (DIS) Rapport, M
Prerequisite: PHYS 121 or equivalent. A continuation of PHYS 121. Which together with it generally satisfies the minimum requirements of medical and dental schools.
- PHYS 161** General Physics: Mechanics and Particle Dynamics 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 Z, Room 1412 Fivel, D
MW 11:00am-11:50am Bldg Z, Room 0405 (DIS) Fivel, D
0102 MTuWThF 9:30am-10:50am Bldg Z, Room 1412 Fivel, D
TuTh 11:00am-11:50am Bldg Z, Room 0405 (DIS) Fivel, D
0103 MTuWThF 9:30am-10:50am Bldg Z, Room 1412 Fivel, D
MW 11:00am-11:50am Bldg Z, Room 4220 (DIS) Fivel, D
0104 MTuWThF 9:30am-10:50am Bldg Z, Room 1412 Fivel, D
TuTh 11:00am-11:50am Bldg Z, Room 4220 (DIS) Fivel, D
First semester of a three-semester calculus-based general physics course. Pre- or corequisite: MATH 141. 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-AUD
Meets USP Distributive Studies (B) Natural Sciences and Mathematics requirement. PHYS 262A must be taken concurrently.
0101 MTuWThF 9:30am-10:50am Bldg Z, Room 1412 Kacser, C
MW 1:00pm-1:50pm Bldg Z, Room 4220 (DIS) Kacser, C
0201 MTuWThF 9:30am-10:50am Bldg Z, Room 1412 Kacser, C
TuTh 11:00am-11:50am Bldg Z, Room 4220 (DIS) Kacser, C
0203 MTuWThF 9:30am-10:50am Bldg Z, Room 1412 Kacser, C
MW 1:00pm-1:50pm Bldg Z, Room 4220 (DIS) Kacser, C
Second semester of a three-semester calculus-based general physics course. Prerequisite: PHYS 161. Vibrations, waves, fluids, heat, kinetic theory, and thermodynamics; electrostatics, circuits, and magnetism. PHYS 262A is the lab for this course, and must be registered for at the same time.
- PHYS 262A** General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory) 3 credits; Grading Method: REG P-F-AUD
PHYS 262 must be taken concurrently.
0201 M 1:00pm-4:00pm Bldg Z, Room 3312 (LAB) Kacser, C
0202 Tu 1:00pm-4:00pm Bldg Z, Room 3312 (LAB) Kacser, C
0203 W 1:00pm-4:00pm Bldg Z, Room 3312 (LAB) Kacser, C
- PHYS 299** Special Problems in Physics 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
- PHYS 399** Special Problems in Physics 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

PHYS cont.

- PHYS 420 Principles of Modern Physics 3 credits; Grading Method REG P-F/AUD**
Meets USP Advanced Studies Department of Knowledge requirement
- 0101 MTuWThF 1:00pm-2:00pm Bldg. Z, Room 3333 (LAB) Mathews, D
Prerequisite: PHYS 294 or 414 or MATH 241 or consent of instructor. A survey of atomic and nuclear phenomena and the main trends in modern physics. This course is appropriate for students in engineering and other physical sciences. It should not be taken in addition to PHYS 421
- PHYS 429 Atomic and Nuclear Physics Laboratory 3 credits; Grading Method REG P-F/AUD**
Permission of department required
- 0101 Meets JUN 2 to JUL 22 Bldg. Z, Room 3333 (LAB) Mathews, D
MTU 1:00pm-6:00pm
- PHYS 499 Special Problems in Physics 1-16 credits; Grading Method REG P-F/AUD**
Permission of department required
- 0101 Time Arranged Room Arranged Staff
0201 Time Arranged Room Arranged Staff
- PHYS 621 Graduate Laboratory 3 credits; Grading Method REG/AUD**
Permission of department required
- 0101 Meets JUN 2 to AUG 5 Bldg. Z, Room 3333 (LAB) Mathews, D
MTU 1:00pm-6:00pm
Design and performance of advanced experiments in modern and classical physics
- PHYS 624 Advanced Quantum Mechanics 3 credits; Grading Method REG/AUD**
- 0201 MTuWThF 9:30am-10:50am Bldg. Z, Room 4220 Oneda, S
Prerequisite: PHYS 623 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 796 Special Problems in Advanced Physics 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
- PHYS 796A Special Problems in Advanced Physics: PhD Qualifier Workshop 3 credits; Grading Method REG/AUD**
- 0101 MTuWThF 9:30am-10:45am Bldg. Z, Room 4220 Kinn, Y
- PHYS 799 Master's Thesis Research 1-6 credits; Grading Method REG**
- 0101 Time Arranged Room Arranged Staff
0201 Time Arranged Room Arranged Staff
- PHYS 899 Doctoral Dissertation Research 1-8 credits; Grading Method REG**
- 0101 Time Arranged Room Arranged Staff
0201 Time Arranged Room Arranged Staff

PSYCHOLOGY (BEHAV AND SOCIAL SCI)

- PSYC 100 Introduction to Psychology 3 credits; Grading Method REG P-F/AUD**
Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement
- 0101 MTuWThF 8:00am-9:20am Bldg. ZP, Room 1243 Sternheim, C
0102 MTuWThF 9:30am-10:50am Bldg. ZP, Room 1243 Johnson, J
0201 MTuWThF 9:30am-10:50am Bldg. ZP, Room 1243 Deht, V
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/AUD**
- 0101 MTuWThF 11:00am-12:20pm Bldg. ZP, Room 1228 Larson, W
0201 MTuWThF 9:30am-10:50am Bldg. ZP, Room 1228 Norman, K
Prerequisite: PSYC 100 and MATH 111 or 140 or 200. A basic introduction to quantitative methods used in psychological research
- PSYC 221 Social Psychology 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. ZP, Room 1232 Taylor, D
Prerequisite: PSYC 100. The influence of social factors on the individual and interpersonal behavior. Includes topics such as conformity, attitude change, person perception, interpersonal attraction and group behavior.
- PSYC 309C Special Topics in Psychology: Psychology of Interpersonal Relations 3 credits; Grading Method REG P-F/AUD**
- 0201 MTuWThF 9:30am-10:50am Bldg. ZP, Room 1236 Brown, R
Research, theory, and practical applications pertaining to the development, maintenance, and dissolution of human relationships. Attention will be devoted to processes critical to successful relationships and issues associated with troubled relationships such as jealousy and divorce
- PSYC 310 Perception 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. ZP, Room 1236 Sternheim, C
Prerequisite: PSYC 100 or consent of the instructor. 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. No credit for students who have completed PSYC 410.
- PSYC 331 Introduction to Abnormal Psychology 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. ZP, Room 1238 Steele, R
0201 MTuWThF 12:30pm-1:50pm Bldg. ZP, Room 1243 Steele, R
Prerequisite: PSYC 100. History of the study of psychopathology and mental health, concepts and models of psychopathology, concepts and models of positive mental health, major syndromes of deviant behavior, including psychosis, personality disorders, and affective disorders, theories of deviant behavior, and community mental health. A student may not receive credit for both PSYC 331 and PSYC 431
- PSYC 332 Psychology of Human Sexuality 3 credits; Grading Method REG P-F/AUD**
- 0201 MTuWThF 9:30am-10:50am Bldg. ZP, Room 1238 Brown, R
Prerequisite: PSYC 100. A survey of historical and contemporary psychological views on a wide variety 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 relating to current sexual norms and practices
- PSYC 335 Personality and Adjustment 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. ZP, Room 1238 Coursey, R
0201 MTuWThF 11:00am-12:20pm Bldg. ZP, Room 1238 Coursey, R
Prerequisite: PSYC 100. Introduction to psychology of human personality and adjustment. This course is designed for the student who desires a general knowledge of this area of psychology. A student may not receive credit for both PSYC 335 and 435
- PSYC 341 Introduction to Memory and Cognition 3 credits; Grading Method REG P-F/AUD**
- 0201 MTuWThF 11:00am-12:20pm Bldg. ZP, Room 1236 Horton, D
Prerequisite: PSYC 100. An introduction to the basic models, methods of research and findings in memory, problem-solving, and language and their applications
- PSYC 355 Child Psychology 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. ZP, Room 1250 Johnson, J
Prerequisite: PSYC 100. 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. Not open for credit to students who have already completed PSYC 333 or 433
- PSYC 356 Psychology of Adolescence 3 credits; Grading Method REG P-F/AUD**
- 0201 MTuWThF 9:30am-10:50am Bldg. ZP, Room 1238 Hill, W
Prerequisite: PSYC 100, 355, or permission of the instructor. A description of adolescent development based on research and theory interrelating psychological, intellectual, and social changes during the teen years and the systems dealing with those changes

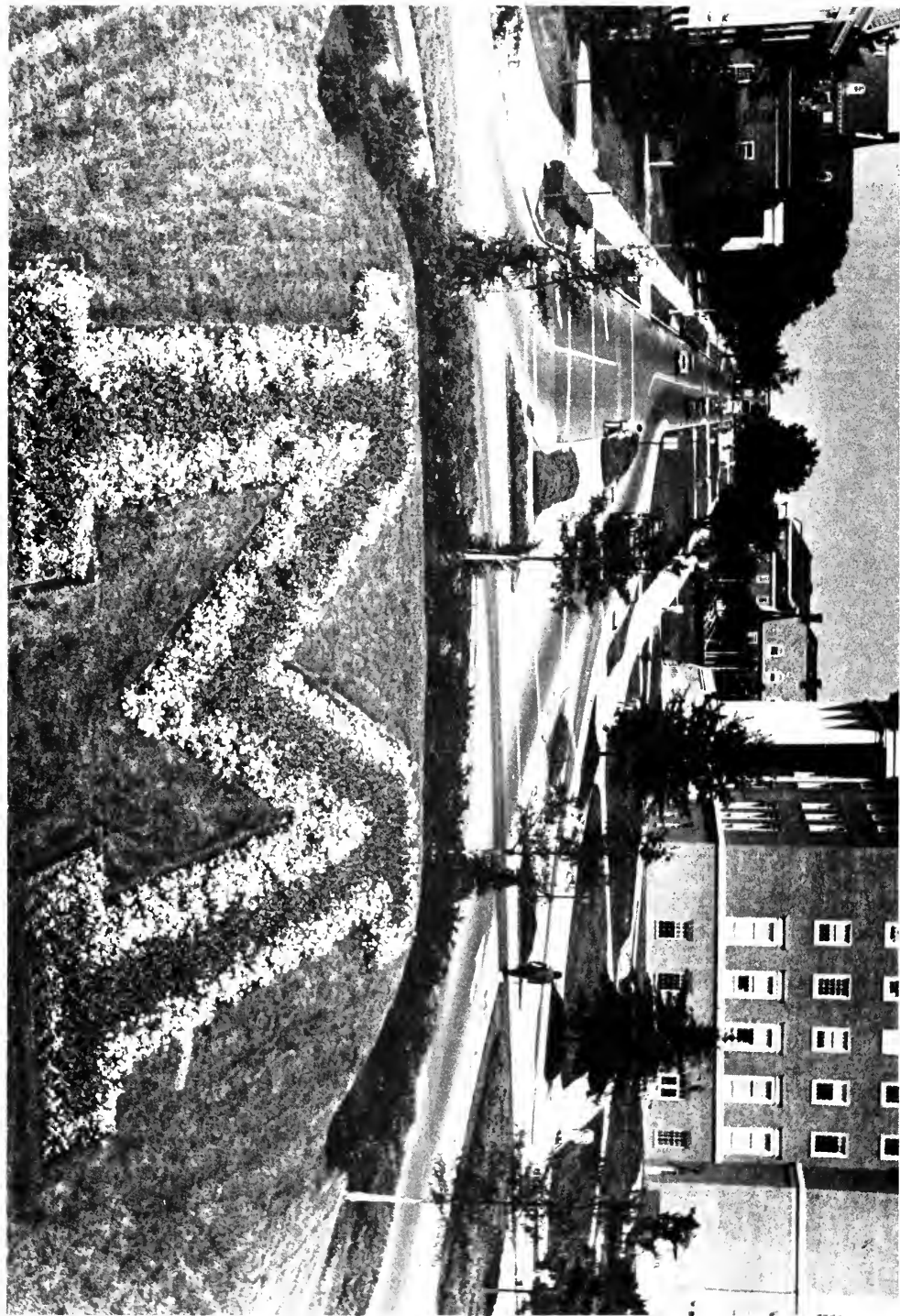
PSYC cont.

- PSYC 361 Survey of Industrial and Organizational Psychology 3 credits; Grading Method REG P-F/AUD**
- 0101 TuTh 6:00pm-9:00pm Bldg. ZP, Room 1236 Kluge, N
Prerequisite: PSYC 100. 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 behavior and work attitudes.
- PSYC 400 Experimental Psychology: Learning and Motivation 4 credits; Grading Method REG P-F/AUD**
Permission of department required.
- 0201 MTuWThF 11:00am-12:20pm Bldg. ZP, Room 1238 Gollub, L
MTuWThF 9:30am-10:50am Bldg. ZP, Room 4102 (LAB) Staff
0202 MTuWThF 11:00am-12:20pm Bldg. ZP, Room 1238 Gollub, L
MTuWThF 11:30am-12:50pm Bldg. ZP, Room 4102 (LAB) Staff
Prerequisite: PSYC 100, 116, and PSYC 200 or a course in statistics. Primarily for psychology majors. The experimental analysis of behavior with emphasis on conditioning, learning and motivational processes. Experiments are conducted on the behavior of animals.
- PSYC 420 Experimental Psychology: Social Processes 1-4 credits; Grading Method REG P-F/AUD**
- 0101 MTuWThF 9:30am-10:50am Bldg. ZP, Room 0111 Sigall, H
Prerequisite: PSYC 200 and 221. Primarily for psychology majors. A laboratory course which provides a basic understanding of experimental method in social psychology and experience in conducting research on social issues.
- PSYC 436 Introduction to Clinical Psychology 3 credits; Grading Method REG P-F/AUD**
- 0101 MTuWThF 11:00am-12:20pm Bldg. ZP, Room 1236 Dies, R
Prerequisites: PSYC 100. A survey and critical analysis of clinical psychology, with particular emphasis on current developments and trends. Students will be expected to conduct individual projects with a substantial amount of direct supervisory experience.
- PSYC 478 Independent Study in Psychology 1-3 credits; Grading Method REG P-F/AUD**
- 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/AUD**
- 0101 Time Arranged Room Arranged Staff
0201 Time Arranged Room Arranged Staff
- PSYC 499H Honors Thesis Research 3 credits; Grading Method REG P-F/AUD**
- 0101 Time Arranged Room Arranged Staff
0201 Time Arranged Room Arranged Staff
- PSYC 788 Special Research Problems 1-4 credits; Grading Method REG/AUD**
- 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

RECR

RECREATION (HUMAN AND COMMUNITY RES)

- RECR 130 Recreation and Leisure 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. PRH, Room 0303 Iso-Ahola, S
0201 TuTh 7:00pm-9:00pm Bldg. PRH, Room 0307 Leedy, C
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 220 Methods and Materials in Recreation 3 credits; Grading Method REG P-F/AUD**
- 0101 TuTh 7:00pm-9:00pm Bldg. PRH, Room 1302 Strobel, A
Roles, duties and responsibilities of the recreation activity leader. Practical experience in planning, organizing, leading, participating and evaluating a wide variety of recreation activities.
- RECR 325 General Fundamentals of Recreation 3 credits; Grading Method REG P-F/AUD**
MW 7:00pm-10:00pm Bldg. PRH, Room 1302 Leedy, C
0201 MW 7:00pm-10:00pm Bldg. PRH, Room 1302 Staff
This course is designed for and limited to students not majoring in recreation who wish to develop some understanding of the place, importance and potentialities of recreation in modern life. Included will be limited study of the areas of philosophy, program planning, leadership techniques, organization and administration, and interrelationships with other fields.
- RECR 340 Field Work I 6 credits; Grading Method REG**
Permission of department required. Sophomore field experience. Students may enroll for either Summer Session I or II but must attend all class meetings regardless of session.
- 0101 Tu 7:00pm-9:00pm Bldg. PRH, Room 0305 Ward, V
Time Arranged Room Arranged Staff
0201 Tu 7:00pm-9:00pm Bldg. PRH, Room 0305 Ward, V
Time Arranged Room Arranged Staff
- RECR 341 Field Work II 8 credits; Grading Method REG**
Permission of department required. Sophomore field experience. Students may enroll for either Summer Session I or II but must attend all class meetings regardless of session.
- 0101 M 7:00pm-8:00pm Bldg. PRH, Room 0305 Smith, R
Time Arranged Room Arranged Staff
0201 M 7:00pm-8:00pm Bldg. PRH, Room 0305 Smith, R
Time Arranged Room Arranged Staff
Prerequisite: RECR 300 and consent of the department. Observation and field work placement selected and assigned on the basis of the student's interest and future employment plans. Leadership participation in staff activities.
- RECR 350 Recreational Use of Natural Areas 3 credits; Grading Method REG P-F/AUD**
- 0101 MTuWThF 11:00am-12:20pm Bldg. PRH, Room 1302 Fedler, A
An introductory orientation to the outdoor recreation phenomenon. Factors stimulating outdoor recreation involvement, federal, state, local, public, and private departments and agencies managing outdoor recreation areas; legislation, philosophical concepts, planning and management issues.
- RECR 366 Field Work 1-3 credits; Grading Method REG**
Contact department to make arrangements
- 0101 Time Arranged Room Arranged Staff
0201 Time Arranged Room Arranged Staff
- RECR 387 Field Work Analysis 1-3 credits; Grading Method REG**
Contact department to make arrangements
- 0101 Time Arranged Room Arranged Staff
0201 Time Arranged Room Arranged Staff
- RECR 432 Philosophy of Recreation 3 credits; Grading Method REG P-F/AUD**
- 0101 MTuWThF 9:30am-10:50am Bldg. PRH, Room 0307 Churchill, J
A study of the meanings, relationships, and services of recreation as expressed by past and present authorities and leaders. This course should be of interest to people active in education, social work and related fields.



RECR cont.

RECR 489	Field Laboratory Projects and Workshop 1-6 credits. Grading Method REG P-F AUD Contact department to make arrangements		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
RECR 489C	Field Laboratory Projects and Workshop: Recreation Crafts 3 credits. Grading Method REG		
0101	TuTh 4 00pm-7 00pm	Bldg PRH; Room 0303	Strobel A
RECR 493	Tourism and Commercial Leisure Services 3 credits. Grading Method REG P-F AUD		
0101	MW 7 00pm-10 00pm	Bldg PRH; Room 1301	Fisher A
	A study of the tourism and commercial leisure services industries. Skill in feasibility study and management. Representative types of tourism and leisure services enterprises and their relationships to the public sector.		
RECR 498I	Special Topics in Recreation: Recreation and Leisure: The Forum for Creativity 3 credits. Grading Method REG P-F AUD		
0201	TuTh 7 00pm-10 00pm	Bldg PRH; Room 1302	Leedy C
RECR 498M	Special Topics in Recreation: Transitional Programs with Disabled Persons 3 credits. Grading Method REG		
0101	TuTh 4 00pm-7 00pm	Bldg PRH; Room 0305	Richardson D
RECR 488	Special Problems in Recreation 1-6 credits. Grading Method REG		
0101	Time Arranged	Room Arranged	Staff
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 1-8 credits. Grading Method REG		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

RTVF (ARTS AND HUMANITIES)

RTVF 124	Mass Communication in 20th Century Society 3 credits. Grading Method REG P-F AUD Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement		
0101	MTuWThF 12 30pm-1 30pm	Bldg NN; Room 0147	Parks S
	The evolution of mass communications and the impact of the media on contemporary society. Emphasis on broadcasting and film treatments of social, economic, or political issues.		
RTVF 222	Introduction to Radio, Television, and Film 3 credits. Grading Method REG P-F AUD		
0101	MTuWThF 11 00am-12 00pm	Bldg NN, Room 0147	Staff
	The development, scope, 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 AUD		
0201	MTuWThF 9 30am-10 50am	Bldg NN; Room 0138	Shyles L
	Prerequisite RTVF 222. Study of basic program formats and variations, with special emphasis on pre-production planning, production organization, management, facilities utilization and cost analysis.		
RTVF 302	Beginning Sound Production 3 credits. Grading Method REG P-F AUD		
0201	MTuWThF 9 30am-10 50am	Bldg NN; Room 0131	Staff
	Prerequisite RTVF 222. Practical experience in sound production, including scripting, acoustics, planning, recording, editing, and coordination of personnel. Application principally toward radio.		
RTVF 314	Introduction to the Film 3 credits. Grading Method REG P-F AUD Meets USP Distributive Studies (C) Literature and the Arts requirement		
0101	MTuWThF 9 00am-11 00am	Bldg NN; Room 2154	Weiss G
	An elementary survey of the film as an art form. Included are the medium of the cinema: a brief survey of its development, film genres, esthetics, criticism, and the current international scene. A series of significant American and foreign films are viewed.		
RTVF 317	Radio and Television Continuity Writing 3 credits. Grading Method REG		
0101	MTuWThF 8 30am-10 50am	Bldg NN; Room 0147	Robinson E
0201	MTuWThF 11 00am-12 00pm	Bldg NN; Room 0147	Shyles L
	Prerequisites: RTVF 223 and ENGL 39J or exemption from the latter. Principles, methods and limitations of writing for radio and television. Application toward writing of general types of continuities and commercials.		
RTVF 340	Principles of Television Production Techniques 3 credits. Grading Method REG P-F AUD		
0201	MTuWThF 1 00pm-3 00pm	Bldg NN; Room 0117	Aylward T
	Prerequisite: RTVF 223 and consent of the instructor. Theory, methods and principles of television production, television cameras and lenses, lighting theory and practices, audio, graphic arts and special effects. Practical application in television studios.		
RTVF 347	Broadcast Processes and Effects 3 credits. Grading Method REG		
0101	MTuWThF 9 30am-10 50am	Bldg NN; Room 0138	Webster J
	Prerequisite: RTVF 223. Common analytical approaches to methods of broadcasting and their effects on society, opinion change, principles of mass persuasion, social consequences of broadcasting.		
RTVF 356	Film Production I, Introduction 3 credits. Grading Method REG P-F AUD		
0101	MTuWThF 11 00am-12 00pm	Bldg NN; Room 2218	Weiss G
	Prerequisites: For majors, RTVF 222 and consent of instructor; for non-majors, consent of the instructor. Introduction to film technology and techniques.		
RTVF 384	Field Work Experience 1-3 credits. Grading Method S-F Permission of department required. RTVF majors only		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
RTVF 385	Field Work Analysis 1-3 credits. Grading Method REG AUD Permission of department required		
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. Enrollment is by permission of the department and is limited to majors.		
RTVF 425	Television and Politics 3 credits. Grading Method REG P-F AUD		
0101	TuTh 7 00pm-10 00pm	Bldg NN; Room 0138	Jamerson K
	Critical reviews 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 AUD		
0201	MTuWThF 11 00am-12 00pm	Bldg NN; Room 0147	Aylward T
	Prerequisite RTVF 223. History, regulatory development, system design, communications capabilities and franchising of cable television.		
RTVF 456	Structure and Criticism of TV Advertising 3 credits. Grading Method REG		
0101	MTuWThF 11 00am-12 00pm	Bldg NN; Room 2154	Robinson E
	Prerequisites: RTVF 222, RTVF 223 and RTVF 317. 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 AUD Permission of department required		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
RTVF 498A	Seminar: Seminar 3 credits. Grading Method REG P-F AUD Permission of department required		
0101	Time Arranged	Room Arranged	Aylward T
RTVF 498L	Seminar: The Business of Broadcasting 3 credits. Grading Method REG P-F AUD		
0101	TuTh 3 00pm-6 00pm	Bldg NN; Room 0135	Kirkley Jr. D

RTVF cont.

RTVF 498V	Seminar: Field Production 3 credits. Grading Method REG P-F AUD		
0201	MTuWThF 9 30am-10 50am	Bldg NN; Room 0135	Sinclair, C
RTVF 648X	Seminar in Broadcasting: The Business of Broadcasting 3 credits. Grading Method REG AUD		
0101	TuTh 3 00pm-6 00pm	Bldg NN; Room 0135	Kirkley Jr. D
RTVF 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
RTVF 999	Master's Thesis Research 1-6 credits. Grading Method REG		
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff

SLAV (ARTS AND HUMANITIES)

SLAV 101	Elementary Russian I 4 credits. Grading Method REG P-F AUD Meets USP Distributive Studies (A) Cultural and Historical requirement		
0101	MTuWTh 9 30am-12 20pm	Bldg LL; Room 3205	Staff
	Elements of grammar, pronunciation and conversation, exercises in translation. Readings concern the current lifestyle and civilization of the Russian-speaking world.		
SLAV 102	Elementary Russian II 4 credits. Grading Method REG P-F AUD Meets USP Distributive Studies (A) Cultural and Historical requirement		
0201	MTuWTh 9 30am-12 20pm	Bldg LL; Room 3205	Schallert, W
	A continuation of SLAV 101 or the equivalent.		
SLAV 104	Intermediate Russian 4 credits. Grading Method REG P-F AUD		
0101	MTuWTh 9 30am-12 20pm	Bldg LL; Room 2122	Hitchcock, D
	Prerequisite: SLAV 102 or equivalent. Grammar review and greater mastery of vocabulary, idioms, conversational fluency and compositional skills. Readings stress the current lifestyle and civilization of the Russian-speaking world.		
SLAV 201	Russian Conversation and Composition I 3 credits. Grading Method REG P-F AUD		
0201	MTuWTh 9 30am-11 00am	Bldg LL; Room 1117	Schallert, J
	Prerequisite: SLAV 105 or equivalent. A practical language course recommended for all students continuing in Russian.		
SLAV 499	Directed Study 1-3 credits. Grading Method REG P-F AUD		
0101	Time Arranged	Room Arranged	Hitchcock, D
0201	Time Arranged	Room Arranged	Staff

SOCY (BEHAV AND SOCIAL SCI)

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 12 30pm-1 30pm	Bldg AS; Room 3207	Rizlar, G
0201	MTuWThF 2 00pm-3 20pm	Bldg AS; Room 3205	Kammeyer, K
	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		
0101	MTuWThF 11 00am-12 20pm	Bldg AS; Room 3203	Pesze, J
0201	MTuWThF 11 00am-12 20pm	Bldg AS; Room 3203	Canjar, R
	An examination of contemporary social problems through sociological perspectives; ways in which problems are part of the organization of society, a detailed study of selected social problems including social conflict and social inequality. Not open to students who already have credit for SOCY 210.		
SOCY 201	Introductory Statistics For Sociology 4 credits. Grading Method REG P-F AUD Meets USP Distributive Studies (B) Natural Sciences and Mathematics requirement.		
0201	MTuWThF 12 30pm-1 30pm	Bldg AS; Room 3203	Altman, B
	Prerequisites: SOCY 100 or 105 and MATH 110 or equivalent. 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 300	American Society 3 credits. Grading Method REG P-F AUD Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement.		
0101	MTuWThF 9 30am-10 45am	Bldg AS; Room 3203	Staff
0201	MTuWThF 11 00am-12 15pm	Bldg AS; Room 3207	Vanneman, R
	The social structure and organization of American society with special reference to recent social change and sociological perspective on urban, suburban and rural life styles, character structure values and ideology. Americans' social movements and changes in work, family life and recreation.		
SOCY 305	Scarcity and Modern Society 3 credits. Grading Method REG P-F AUD Meets USP Advanced Studies Analysis of Human Problems requirement.		
0201	MTuWThF 9 30am-10 50am	Bldg AS; Room 3207	Fensterbusch, K
	Prerequisite: SOCY 100 or 300. The problems of resource depletion and the deterioration of the environment. Emphasis is on the relationship to life styles, individual consumer choices, cultural values, and institutional failures. Projection of the future course of American society on the basis of the analysis of scarcity, theories of social change, current trends, social movements, government actions, and the future literature.		
SOCY 325	Sex Roles 3 credits. Grading Method REG P-F AUD Meets USP Advanced Studies Analysis of Human Problems requirement.		
0101	MTuWThF 2 00pm-3 15pm	Bldg AS; Room 3203	Hunt, J
	Sex roles and gender inequality. Sex 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.		
0101	MTuWThF 11 00am-12 15pm	Bldg AS; Room 3207	Cignet, R
0201	MTuWThF 12 30pm-1 45pm	Bldg AS; Room 3203	Mclntyre, J
	Prerequisite: SOCY 100 or 105. An introduction to the sociological study of deviant behavior, covering such areas as mental illness, sexual deviance, and the use of drugs. Students may not receive credit for SOCY 327 if they have completed SOCY 427.		
SOCY 343	Sociology of Marriage and Family 3 credits. Grading Method REG P-F AUD		
0101	MTuWThF 12 30pm-1 50pm	Bldg AS; Room 3203	Harper, G
	Prerequisite: SOCY 100 or 105. 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 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 cont.

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-FAUD			
Meets USP Distributive Studies (A) Cultural and Historical requirement.			
0101	MTuWTh 8:45am-11:00am	Blgd. LL, Room 1215	Gottberg, M
0102	MTuWTh 8:45am-11:00am	Blgd. LL, Room 0208	Mordragon, A
0201	MTuWTh 8:45am-11:00am	Blgd. LL, Room 0208	Wierzbowski, J
Introduction to basic structures, with emphasis upon understanding and speaking. Normally leads to 102, but gifted students may be recommended for 102H.			
SPAN 102 Elementary Spanish 4 credits; Grading Method: REG/P-FAUD			
Meets USP Distributive Studies (A) Cultural and Historical requirement.			
0101	MTuWTh 8:45am-11:00am	Blgd. LL, Room 1120	Daghlian, E
0201	MTuWTh 8:45am-11:00am	Blgd. LL, Room 1224	Salfo, G
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-FAUD			
Meets USP Distributive Studies (A) Cultural and Historical requirement. Formerly SPAN 104.			
0101	MTuWTh 8:45am-11:00am	Blgd. LL, Room 1226	Uokun, G
0201	MTuWTh 8:45am-11:00am	Blgd. LL, Room 1226	Lukubans, P
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-FAUD			
Meets USP Distributive Studies (A) Cultural and Historical requirement. Formerly SPAN 201.			
0101	MTuWTh 9:00am-10:45am	Blgd. LL, Room 1117	Roffe, M
Prerequisite: SPAN 203. A practical language course recommended for all students continuing in Spanish. May be taken concurrently with SPAN 221 or SPAN 205.			
SPAN 221 Reading in Spanish 3 credits; Grading Method: REG/P-FAUD			
Meets USP Distributive Studies (C) Literature and the Arts requirement.			
0201	MTuWTh 9:00am-10:45am	Blgd. LL, Room 1211	Bracho, C
Prerequisite: SPAN 204. Selected readings from various genres in Spanish and Spanish American literature. Discussion and brief written reports in Spanish.			
SPAN 311 Advanced Conversation 1 3 credits; Grading Method: REG/P-FAUD			
Meets USP Distributive Studies (A) Cultural and Historical requirement.			
0101	MTuWTh 9:00am-10:45am	Blgd. LL, Room 1104	Canabal, E
Prerequisite: SPAN 204 or 205 or consent of instructor. Designed to develop fluency and accuracy in speaking Spanish.			
SPAN 312 Advanced Conversation II 3 credits; Grading Method: REG/P-FAUD			
Meets USP Distributive Studies (A) Cultural and Historical requirement.			
0201	MTuWTh 9:00am-10:45am	Blgd. LL, Room 1215	Gargurevich, E
Prerequisite: SPAN 205 or 311 or consent of instructor.			
SPAN 399 Independent Study in Spanish 1-3 credits; Grading Method: REG/P-FAUD			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
SPAN 408 Great Themes of the Hispanic Literatures: Contemporary Spanish Novel 3 credits; Grading Method: REG/P-FAUD			
0201	TuTh 4:00pm-7:00pm	Blgd. LL, Room 2125	Marra-Lopez, J
SPAN 409 Great Themes of the Hispanic Literatures: Medieval Short Story 3 credits; Grading Method: REG/P-FAUD			
0101	MW 9:00am-12:00pm	Blgd. LL, Room 1103	Dz, M
SPAN 466 The Contemporary Spanish Novel 3 credits; Grading Method: REG/P-FAUD			
0201	MW 4:00pm-7:00pm	Blgd. LL, Room 0208	Marra-Lopez, J
The novel and the short story from 1940 to the present.			
SPAN 489 Spanish-American Fiction: Mchismo en la Literatura Hispanoamericana 3 credits; Grading Method: REG/P-FAUD			
0101	TuTh 9:00am-12:00pm	Blgd. LL, Room 1103	Nemes, G
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-FAUD			
0101	MTuWTh 8:00am-9:20am	Blgd. NN, Room 1202	Staff
0102	MTuWTh 9:20am-10:50am	Blgd. NN, Room 1202	Staff
0103	MTuWTh 11:00am-12:20pm	Blgd. NN, Room 1202	Staff
0104	MTuWTh 12:30pm-1:50pm	Blgd. NN, Room 0135	Carlson, C
0201	MTuWTh 8:00am-9:20am	Blgd. NN, Room 2212	Doyle, T
0202	MTuWTh 9:20am-10:50am	Blgd. NN, 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. 3FH 100 and 107 may both be used for credit.			
SPCH 107 Technical Speech Communication 3 credits; Grading Method: REG/P-FAUD			
0101	MTuWTh 8:00am-9:20am	Blgd. NN, Room 2212	Staff
0102	MTuWTh 9:20am-10:50am	Blgd. NN, Room 0135	Wolvin, A
0103	MTuWTh 11:00am-12:20pm	Blgd. NN, Room 2228	Wolvin, A
0201	MTuWTh 8:00am-9:20am	Blgd. NN, Room 2228	Staff
0202	MTuWTh 9:20am-10:50am	Blgd. NN, Room 2228	Wilson, C
0203	MTuWTh 11:00am-12:20pm	Blgd. NN, Room 2212	Wilson, C
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 100 and 107 may not both be used for credit.			

SPCH cont.

SPCH 220 Group Discussion 3 credits; Grading Method: REG/P-FAUD			
0101	TuTh 2:30pm-5:30pm	Blgd. NN, Room 2212	Fink, E
A study of the principles, methods and types of discussion, and their application in the discussion of contemporary problems.			
SPCH 425 Communication and Sex Roles 3 credits; Grading Method: REG/P-FAUD			
Meets USP Advanced Studies Analysis of Human Problems requirement.			
0101	MTuWTh 2:00pm-3:20pm	Blgd. NN, Room 2230	Carlson, C
An investigation of 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 interpersonal transactions.			
SPCH 470 Listening 3 credits; Grading Method: REG/P-FAUD			
0201	TuTh 7:00pm-10:00pm	Blgd. NN, Room 2212	McCaleb, J
A study of the listening process, listening variables, listening levels, and the development of effective listening behavior.			
SPCH 482 Intercultural Communication 3 credits; Grading Method: REG/P-FAUD			
0101	MTuWTh 2:00pm-3:20pm	Blgd. NN, Room 2228	Jamieson, K
The major variables of communication in an intercultural context. Communication problems created by cultural, racial, and national differences; analysis of stereotypes, values, and cultural assumptions influencing verbal and nonverbal communication.			
SPCH 488 Speech Communication Internship 1-6 credits; Grading Method: REG/P-FAUD			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
SPCH 498 Seminar 3 credits; Grading Method: REG/P-FAUD			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
SPCH 498B Seminar: Television and Politics 3 credits; Grading Method: REG/P-FAUD			
0101	TuTh 7:00pm-10:00pm	Blgd. NN, Room 0147	Jamieson, K
SPCH 698B Special Problems in Speech Communication: Television and Politics 3 credits; Grading Method: REG/AUD			
0101	TuTh 7:00pm-10:00pm	Blgd. NN, Room 1202	Jamieson, K
This seminar will concentrate on the problem of making message strategy decisions. Course content will consist of study of both theoretical and empirical research on attitude and attitude change in persuasive communication.			
SPCH 775 Seminar in Persuasion and Attitude Change 3 credits; Grading Method: REG/AUD			
0101	TuTh 7:00pm-10:00pm	Blgd. NN, Room 2212	Fink, E
This seminar will concentrate on the problem of making message strategy decisions. Course content will consist of study of both theoretical and empirical research on attitude and attitude change in persuasive communication.			
SPCH 796 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 (MATH AND PHYS SCI AND ENG)**

STAT 400 Applied Probability and Statistics I 3 credits; Grading Method: REG/P-FAUD			
0101	MTuWTh 8:00am-9:20am	Blgd. NN, Room 0403	Staff
0201	MTuWTh 9:30am-10:50am	Blgd. Y, Room 0106	Staff
Prerequisite: MATH 141. Random variables, standard distributions, moments, law of large numbers and central limit theorem. Sampling methods, estimation of parameters, testing of hypotheses.			
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 AND COMMUNITY RES)**

TEXT 150 Introduction to Textile Materials 3 credits; Grading Method: REG/P-FAUD			
0101	TuWThF 9:30am-10:50am	Blgd. H, Room 2401	Block I
	TuTh 11:00am-12:50pm	Blgd. H, Room 2401 (LAB)	
An introduction to the properties of textile materials. Behavior of textile materials are observed in relation to environmental conditions which influence aesthetics, comfort and performance.			
TEXT 347 History of Costume II 3 credits; Grading Method: REG/P-FAUD			
Meets USP Distributive Studies (A) Cultural and Historical requirement.			
0101	TuTh 7:00pm-10:00pm	Blgd. NN, Room 0109	Picoletti, J
The development of European and American dress from the Renaissance to the present, relating the history of costume to changing technology, social attitudes and trends in the popular and fine arts.			
TEXT 363 History of Textiles 3 credits; Grading Method: REG/P-FAUD			
Meets USP Distributive Studies (A) Cultural and Historical requirement.			
0201	MTuWTh 9:30am-11:00am	Blgd. H, Room 2401	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 365 Fashion Merchandising 3 credits; Grading Method: REG/P-FAUD			
Contact instructor to make arrangements.			
0101	MTuWTh 8:00am-9:20am	Blgd. H, Room 1304	Wagner, J
Prerequisite: consent of instructor. Analysis of fashion trends and their effect on retail merchandising. Emphasis on the buying and selling process, including the calculations necessary to plan and estimate seasonal purchases, mark-ups, turnover, open-to-buy, markdowns and stock/stocks ratios.			
TEXT 388 Field Work and Analysis in Textiles 3-12 credits; Grading Method: S-F			
Limited to majors in textiles and consumer economics.			
0101	Time Arranged	Room Arranged	Mihelich, R
0201	Time Arranged	Room Arranged	Mihelich, R
TEXT 470 Textile and Apparel Marketing 3 credits; Grading Method: REG/AUD			
0201	MTuWTh 8:00am-9:20am	Blgd. M, Room 3418	Wagner, J
Prerequisite: BMGT 305 or consent of instructor. Analysis of the production, pricing, distribution, and promotion of fibers, yarns, fabrics and textile products by end use. Identification of target markets and development of marketing strategies. Application of case study method to problems of textile and apparel firms.			
TEXT 498 Special Studies 2-4 credits; Grading Method: REG/P-FAUD			
0101	Time Arranged	Room Arranged	Staff
0201	Time Arranged	Room Arranged	Staff
TEXT 498A Special Studies: Fabric Structures 3 credits; Grading Method: REG/AUD			
0201	MTuWTh 9:30am-10:50am	Blgd. H, Room 2201	Fourdeymith, B
	W 11:00am-2:30pm	Blgd. H, Room 2201 (LAB)	

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	Bldg NN, Room 0241	Elam Jr, H Oleary, R
0101	MTuWThF 9:00am-10:50am		
0201	MTuWThF 11:00am-12:20pm		
	Introduction to the people of the theater, actors, directors, designers and backstage personnel. The core and characteristics of a play script, theatrical forms and styles, and theater history		
THET 120	Acting Fundamentals 3 credits, Grading Method: REG P-F/AUD	Bldg NN, Room 1228	Elam Jr, H
0101	MTuWThF 11:00am-12:20pm		
	Basic principles of acting techniques. Exercises structured to develop the student's concentration, imagination, sense and emotional memory. Textual analysis, character analysis and scene study, and the application of these techniques to character portrayal through performance of short scenes		
THET 310	The American Theatre 3 credits, Grading Method: REG P-F/AUD Meets USP Distributive Studies (A) Cultural and Historical requirement	Bldg NN, Room 1204	Oleary, R
0201	MTuWThF 9:30am-10:50am		
	An analysis of the theatre people, plays, and social forces which shaped an evolution from the colonial beginnings of arts dependence on England to the uniquely American theater of today		
THET 479	Theater Workshop 1-3 credits, Grading Method: REG P-F/AUD Permission of department required	Room Arranged	Staff
0201	Time Arranged		
THET 490	History of the Theatre 1.3 credits, Grading Method: REG P-F/AUD	Bldg NN, Room 0241	Pugliese, R
0101	MTuWThF 11:00am-12:20pm		
	Evolution of the theatre from primitive origins, through the early Renaissance with emphasis on playwrights and plays, theatre architecture and decor, and significant personalities. Extensive use of graphic material, play reading, related theatre-going		
THET 499	Independent Study 3 credits, Grading Method: REG Permission of department required	Room Arranged	Staff
0101	Time Arranged		
0201	Time Arranged		
THET 499S	Independent Study: Shakespearean Acting 3 credits, Grading Method: REG P-F/AUD	Bldg NN, Room 2228	Meersman, R
0101	MTuWThF 9:30am-10:50am		
THEY 607	Criticism in the Public and Communicative Arts 3 credits, Grading Method: REG/AUD	Bldg NN, Room 0241	Meersman, R
0101	TuTh 4:00pm-7:00pm		
THEY 625	Shakespearean Acting 3 credits, Grading Method: REG/AUD	Bldg NN, Room 2228	Meersman, R
0101	MTuWThF 9:30am-10:50am		
	Prerequisite: consent of instructor. Study and practice of Shakespearean acting		
THET 669	Independent Study 1-3 credits, Grading Method: REG Permission of department required	Room Arranged	Staff
0101	Time Arranged		
THET 688	Special Problems in Drama 3 credits, Grading Method: REG/AUD	Room Arranged	Staff
0101	Meets JUN 23 to JUL 16		
	MF 8:30am-9:00pm	Bldg NN, Room 2230	Gillespie, P
THET 799	Master's Thesis Research 1-6 credits, Grading Method: REG Permission of department required	Room Arranged	Staff
0101	Time Arranged		
0201	Time Arranged		

TXCE

(HUMAN AND COMMUNITY RES)

TXCE 608	Special Problems 1-3 credits, Grading Method: REG/AUD	Room Arranged	Staff
0101	Time Arranged		
0201	Time Arranged		
TXCE 608B	Special Problems: Fabric Structures 3 credits, Grading Method: REG/AUD	Room Arranged	Staff
0201	Time Arranged		
TXCE 651A	Advanced Topics in Textiles: Computers for Small Collections 1 credit, Grading Method: REG	Room Arranged	Staff
0101	Meets JUL 1 to JUL 11		
	MTuWThF 9:00am-3:00pm	Bldg OO, Room 1203	Paoletti, J
			One-week intensive workshop for graduate students, faculty, curators, registrars and other interested professionals in historic costume and textiles.
TXCE 658B	Advanced Topics in Textiles: Textile Conservation Study Tour 2 credits, Grading Method: REG	Bldg H, Room 2210	Ordonez, M
0201	Meets JUL 14 to JUL 18		
	MTuWThF 8:30am-4:00pm		
			One-week intensive workshop for graduate students, faculty, curators, and other interested professionals in historic costume and textiles.
TXCE 658C	Advanced Topics in Textiles: Degradation of Textile Fibers 1 credit, Grading Method: REG	Room Arranged	Staff
0201	Meets JUL 21 to JUL 25		
	MTuWThF 9:00am-3:00pm	Bldg H, Room 2210	Block, I
			One-week intensive workshop for graduate students, faculty, practicing conservators and supervisors.
TXCE 799	Master's Thesis Research 1-6 credits, Grading Method: REG	Room Arranged	Staff
0101	Time Arranged		
0201	Time Arranged		
TXCE 995	Doctoral Dissertation Research 1-8 credits, Grading Method: REG	Room Arranged	Staff
0101	Time Arranged		
0201	Time Arranged		

UMEI

(ARTS AND HUMANITIES)

UMEI 001	English as a Foreign Language: Beginning 1; Grading Method: S-F Permission of department required	Room Arranged	Staff
0101	Meets JUN 16 to AUG 8		
0102	Meets JUN 16 to AUG 8		
	Time Arranged		
	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 retention plan.		
UMEI 002	English as a Foreign Language: Intermediate I; Grading Method: S-F Permission of department required	Room Arranged	Staff
0101	Meets JUN 16 to AUG 8		
0102	Meets JUN 16 to AUG 8		
	Time Arranged		
	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. Carries no credit towards any degree and does not count in the retention plan.		

UMEI cont.

UMEI 003	English as a Foreign Language: Intermediate II; Grading Method: S-F Permission of department required	Room Arranged	Staff
0101	Meets JUN 16 to AUG 8		
0102	Meets JUN 16 to AUG 8		
	Time Arranged		
	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. Carries no credit towards any degree and does not count in the retention plan.		
UMEI 004	English as a Foreign Language: Intermediate III; Grading Method: S-F Permission of department required	Room Arranged	Staff
0101	Meets JUN 16 to AUG 8		
0102	Meets JUN 16 to AUG 8		
	Time Arranged		
	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, on developing writing skills for academic courses. Special fee. Carries no credit towards any degree and does not count in the retention plan.		
UMEI 005	Advanced English as a Foreign Language; Grading Method: S-F Permission of department required	Room Arranged	Staff
0201	MTuWThF 8:00am-11:00am	Bldg AS, Room 3215	Staff
	MTuWThF 1:00pm-3:00pm	Bldg AS, Room 3215	
0202	MTuWThF 1:00pm-3:00pm	Bldg LL, Room 2202	Staff
	MTuWThF 6:00am-11:00am		
	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 development of writing skills with special emphasis on research papers and use of the University library. Special fee. This course does not carry credit towards any degree at the university and does not count in the retention plan.		

URBS

(BEHAV AND SOCIAL SCI)

URBS 100	Introduction to Interdisciplinary Urban Studies 3 credits, Grading Method: REG P-F/AUD Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement	Bldg SSB, Room 1210	Laidlaw, C
0101	Tu 10:00am-1:00pm		
	Th 10:00am-3:00pm	Bldg SSB, Room 1210 (LAB)	
			The scope and range of urban studies, and the characteristics of urban life. An interdisciplinary lecture series which meets twice a week, gaming laboratory sessions which meet for two hours once a week, and the development of an urban project. May not be taken by students who have received credit for URBS 261.
URBS 350	Introduction to Urban Field Study 3 credits, Grading Method: REG P-F/AUD	Bldg SSB, Room 1221	Laidlaw, C
0101	TuTh 6:00pm-9:00pm		
			Prerequisite: permission of instructor or one URBS course. Instruction in the techniques of inquiry into urban conditions. Training in use of descriptive statistics to summarize data. Selection of problems for study, design of research, preparing conclusions. Comparison of team-research approach to individual investigation. Study of the urban community through field projects.
URBS 386	Field Work 1-3 credits, Grading Method: REG P-F/AUD Permission of department required	Room Arranged	Williams, B
0101	Time Arranged		
0201	Time Arranged		
URBS 387	Field Work Analysis 1-3 credits, Grading Method: REG P-F/AUD Permission of department required	Room Arranged	Williams, B
0101	Time Arranged		
0201	Time Arranged		
URBS 398A	Independent Study in Urban Topics: Independent Study for Interns Permission of department required	Room Arranged	Williams, B
0101	Time Arranged		
0201	Time Arranged		
URBS 399I	Independent Study in Urban Topics 3 credits, Grading Method: REG P-F/AUD Permission of department required	Room Arranged	Williams, B
0101	Time Arranged		
0201	Time Arranged		
URBS 438	Urban Internship 1-5 credits, Grading Method: REG P-F/AUD Permission of department required	Room Arranged	Williams, B
0101	Time Arranged		
0201	Time Arranged		
URBS 488C	Selected Topics in Urban Studies: The Contemporary City 1-3 credits, Grading Method: REG P-F/AUD	Bldg SSB, Room 1222	Kellerman, A
0201	TuTh 5:30pm-8:30pm		
URBS 488Q	Selected Topics in Urban Studies: Quantitative Methods in Urban Studies 1-3 credits, Grading Method: REG/AUD	Bldg SSB, Room 1221	Laidlaw, C
0101	TuTh 6:00pm-9:00pm		
URBS 630	Urban Economic and Policy Analysis 3 credits, Grading Method: REG Prerequisite: ECON 454 or consent of the instructor. Urban problem and policy analysis in the context of urban spatial patterns and trends and urban public sector organization, finance and operation. Education, zoning and land use planning, fiscal diversity and equal opportunity, new communities, the future of the central city, and alternative institutions for the future.	Bldg SSB, Room 1208	Levin, M
0201	MW 7:00pm-10:00pm		
URBS 688C	Recent Developments in Urban Studies: The Contemporary City 1-3 credits, Grading Method: REG/AUD	Bldg SSB, Room 1222	Kellerman, A
0201	TuTh 5:30pm-8:30pm		
URBS 689	Internship Seminar: Graduate Internship 3-6 credits, Grading Method: REG/AUD Permission of department required	Room Arranged	Williams, B
0101	Time Arranged		
0201	Time Arranged		
URBS 698A	Independent Study in Urban Topics: Independent Study for Interns 3 credits, Grading Method: REG/AUD	Room Arranged	Williams, B
			Contact department to make arrangements. Concurrent registration with URBS 689 is possible.
0101	Time Arranged	Room Arranged	Williams, B
0201	Time Arranged	Room Arranged	Williams, B
URBS 698I	Independent Study in Urban Topics 3 credits, Grading Method: REG/AUD Contact department to make arrangements.	Room Arranged	Williams, B
0101	Time Arranged	Room Arranged	Williams, B
0201	Time Arranged	Room Arranged	Williams, B
URBS 799	Master's Thesis Research 1-6 credits, Grading Method: REG Permission of department required	Room Arranged	Staff
0101	Time Arranged		
0201	Time Arranged		

WMST

(ARTS AND HUMANITIES)

WOMEN'S STUDIES

- WMST 200 Introduction to Women's Studies** 3 credits, Grading Method: REG-P-FAUD
Meets USP Distributive Studies (D) Social and Behavioral Sciences requirement.
- | | | | |
|------|---------------------|---------------------|-----------|
| 0101 | MWF 10:00am-12:00pm | Bldg SSB, Room 1210 | Staff |
| 0102 | TuTh 7:00pm-10:00pm | Bldg SSB, Room 1210 | Stark, D |
| 0201 | MWF 10:00am-12:00pm | Bldg O, Room 2100 | Zeiger, R |
- A historic and interdisciplinary study of the status, roles, and experiences of women. Sources from a variety of fields such as literature, psychology, history, and anthropology, focusing on the writings of women.
- WMST 400 Theories of Feminism** 3 credits, Grading Method: REG-P-FAUD
Meets USP Advanced Studies Development of Knowledge requirement. Must have taken WMST 200 or 250 or have permission of instructor to take this course.
- | | | | |
|------|---------------------|---------------------|-------------|
| 0101 | TuTh 10:00am-1:00pm | Bldg LLS, Room 1120 | Stasburg, G |
|------|---------------------|---------------------|-------------|
- A study of feminist theories from an interdisciplinary perspective, including politics, sociology, psychology, anthropology, and and philosophy. Prerequisite: a course on women (ideally WMST 200) or consent of the instructor.
- WMST 498A Special Topics in Women's Studies: Paths to Power, Women in Management**
3 credits; Grading Method: REG-P-FAUD
- | | | | |
|------|------------------|---------------------|-----------|
| 0101 | MW 6:00pm-9:00pm | Bldg SSB, Room 1222 | Lippin, L |
|------|------------------|---------------------|-----------|
- WMST 498C Special Topics in Women's Studies: Feminist Education Prclctum**
1-3 credits, Grading Method: REG-P-FAUD
- | | | | |
|------|---------------|---------------|-----------|
| 0101 | Time Arranged | Room Arranged | Staff |
| 0201 | Time Arranged | Room Arranged | Zeiger, R |
- WMST 498E Special Topics in Women's Studies: Feminist Education Analysis**
1-3 credits, Grading Method: REG-P-FAUD
- | | | | |
|------|---------------|---------------|-----------|
| 0101 | Time Arranged | Room Arranged | Staff |
| 0201 | Time Arranged | Room Arranged | Zeiger, R |

ZOOL

(AGRI AND LIFE SCI)

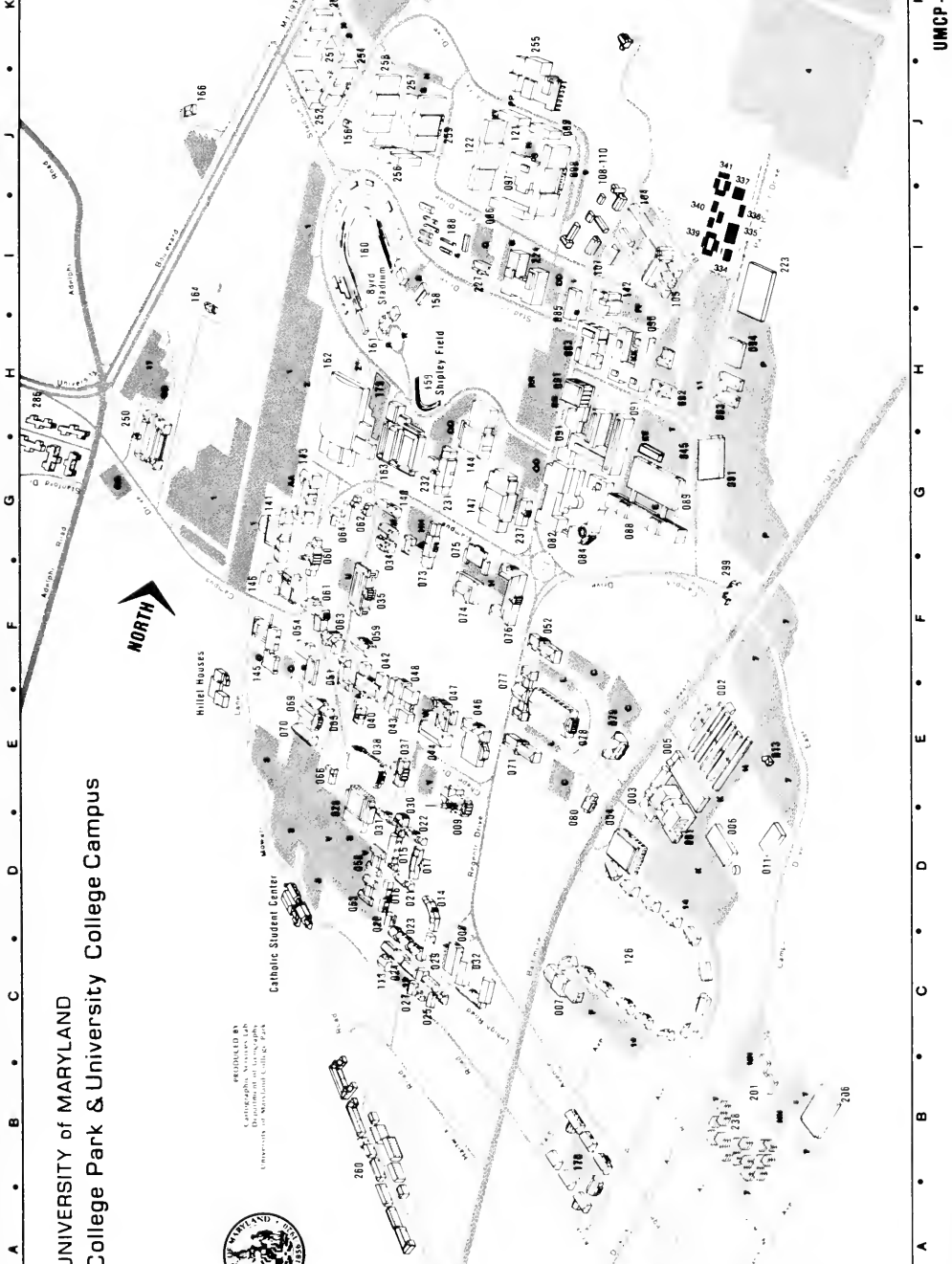
ZOOLOGY

- ZOOL 101 General Zoology** 4 credits, Grading Method: REG-P-FAUD
Meets USP Distributive Studies (B) Natural Sciences and Mathematics requirement. Credit for ZOOL 101 is not counted in the 30 hours required for the major.
- | | | | |
|------|-----------------------|--------------------------|-----------|
| 0101 | MTuWThF 6:00am-9:20am | Bldg ZP, Room 1236 | Linder, H |
| | TuWTh 9:30am-11:30am | Bldg ZP, Room 0249 (LAB) | |
| 0102 | MTuWThF 8:00am-9:20am | Bldg ZP, Room 1236 | Linder, H |
| | TuWTh 9:30am-11:30am | Bldg ZP, Room 0233 (LAB) | |
| 0201 | MTuWThF 8:00am-9:20am | Bldg ZP, Room 1236 | Kent, B |
| | TuWTh 9:30am-11:30am | Bldg ZP, Room 0249 (LAB) | |
| 0202 | MTuWThF 8:00am-9:20am | Bldg ZP, Room 1236 | Kent, B |
| | TuWTh 9:30am-11:30am | Bldg ZP, Room 0233 (LAB) | |
- An introduction to the modern concepts of biological principles and animal life. Emphasis on the functional aspects of living systems with a survey of the physical and chemical bases of all life processes. Intended for non-majors with no zoology background who need a life sciences course or for potential zoology majors with no high school biology training.
- ZOOL 201 Human Anatomy and Physiology I** 4 credits, Grading Method: REG-P-FAUD
Not accepted for credit toward the zoology major.
- | | | | |
|------|-------------------------|--------------------------|---------------|
| 0101 | MTuWThF 11:00am-12:20pm | Bldg ZP, Room 1243 | Digiovanna, A |
| | MTuWThF 8:00am-10:00am | Bldg ZP, Room 0201 (LAB) | |
| 0102 | MTuWThF 11:00am-12:20pm | Bldg ZP, Room 1243 | Digiovanna, A |
| | MTuWThF 8:00am-10:00am | Bldg ZP, Room 0205 (LAB) | |
| 0103 | MTuWThF 11:00am-12:20pm | Bldg ZP, Room 1243 | Digiovanna, A |
| | MTuWThF 1:00pm-3:00pm | Bldg ZP, Room 0205 (LAB) | |
- Prerequisite: ZOOL 101 or equivalent. A thorough introduction to the anatomy and physiology of the skeletal, muscular, nervous and sensory systems. Introduction to cellular physiology. Not accepted for credit toward the zoology major.
- ZOOL 202 Human Anatomy and Physiology II** 4 credits, Grading Method: REG-P-FAUD
- | | | | |
|------|------------------------|--------------------------|---------|
| 0201 | MTuWThF 8:00am-9:20am | Bldg ZP, Room 1243 | Kapp, J |
| | MTuWThF 9:30am-11:30am | Bldg ZP, Room 0201 (LAB) | |
| 0202 | MTuWThF 8:00am-9:20am | Bldg ZP, Room 1243 | Kapp, J |

ZOOL cont.

- MTuWThF 9:30am-11:30am** Bldg ZP, Room 0205 (LAB)
Prerequisites: ZOOL 101 or equivalent. Introduction to the anatomy and physiology of the cardiovascular, respiratory, digestive, excretory and reproductive systems. Intermediary metabolism and endocrine relationships. Not accepted for credit toward the zoology major.
- ZOOL 210 Animal Diversity** 4 credits, Grading Method: REG-P-FAUD
Meets USP Distributive Studies (B) Natural Sciences and Mathematics requirement.
- | | | | |
|------|------------------------|--------------------------|---------|
| 0201 | MTuWThF 8:00am-9:20am | Bldg ZP, Room 1238 | Edds, P |
| | MTuWThF 9:30am-11:30am | Bldg ZP, Room 0271 (LAB) | |
- A 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. Not open for credit to students who have credit in ZOOL 283.
- ZOOL 213 Genetics and Development** 4 credits, Grading Method: REG-P-FAUD
- | | | | |
|------|-------------------------|--------------------------|-------------|
| 0101 | MTuWThF 11:00am-12:20pm | Bldg ZP, Room 1232 | Imberski, R |
| | TuWTh 8:00am-11:00am | Bldg ZP, Room 0245 (LAB) | |
| 0102 | MTuWThF 11:00am-12:20pm | Bldg ZP, Room 1232 | Imberski, R |
| | TuWTh 1:00pm-4:00pm | Bldg ZP, Room 0245 (LAB) | |
- Prerequisites: one semester of organic chemistry. An integration of the basic principles of two related subjects: genetics and development. Composition, transmission, and function of genetic material; basic processes of animal development; and the role of differential gene expression in control and regulation of development. Not open for credit to students who have credit in ZOOL 230 or 246.
- ZOOL 309H Honors Independent Study** 1-4 credits, Grading Method: REG-P-FAUD
Contact department to make arrangements.
- | | | | |
|------|---------------|---------------|-------|
| 0101 | Time Arranged | Room Arranged | Staff |
| 0201 | Time Arranged | Room Arranged | Staff |
- ZOOL 318H Honors Research** 1-2 credits, Grading Method: REG-P-FAUD
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-FAUD
Contact department to make arrangements.
- | | | | |
|------|---------------|---------------|-------|
| 0101 | Time Arranged | Room Arranged | Staff |
| 0201 | Time Arranged | Room Arranged | Staff |
- ZOOL 328C Selected Topics in Zoology: The Biology of Marine and Estuarine Invertebrates**
3 credits, Grading Method: REG-P-FAUD
- | | | | |
|------|-------------------------|--------------------|--------------|
| 0101 | MTuWThF 11:00am-12:20pm | Bldg ZP, Room 1226 | Pierce Jr, S |
|------|-------------------------|--------------------|--------------|
- ZOOL 328Z Selected Topics in Zoology: Field Research** 1-3 credits, Grading Method: REG-P-FAUD
- | | | | |
|------|---------------|---------------|-------|
| 0101 | Time Arranged | Room Arranged | Staff |
| 0201 | Time Arranged | Room Arranged | Staff |
- ZOOL 475 General Parasitology** 4 credits, Grading Method: REG-P-FAUD
- | | | | |
|------|------------------------|--------------------------|-----------|
| 0201 | MTuWThF 8:00am-8:50am | Bldg ZP, Room 1232 | Larsen, P |
| | MTuWThF 9:00am-12:00pm | Bldg ZP, Room 2245 (LAB) | |
- Prerequisites: ZOOL 210, 212 and one semester of organic chemistry. A consideration of the phenomenon of parasitism through a study of the structure, function and host relationships of parasitic organisms.
- ZOOL 481 The Biology of Marine and Estuarine Invertebrates**
4 credits, Grading Method: REG-P-FAUD
- | | | | |
|------|-------------------------|--------------------------|--------------|
| 0101 | MTuWThF 11:00am-12:20pm | Bldg ZP, Room 1228 | Pierce Jr, S |
| | MTuWThF 1:00pm-4:00pm | Bldg ZP, Room 2207 (LAB) | |
- Two hours of lecture and six hours of laboratory per week. Prerequisite: one year of zoology including ZOOL 210 or equivalent. A study of the taxonomy and functional morphology of the invertebrates; exclusive of insects. Emphasis on the study of living material.
- ZOOL 609 Special Problems in Zoology** 1-6 credits, Grading Method: REG/AUD
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
- | | | | |
|------|---------------|---------------|-------|
| 0101 | Time Arranged | Room Arranged | Staff |
| 0201 | Time Arranged | Room Arranged | Staff |
- ZOOL 899 Doctoral Dissertation Research** 1-9 credits, Grading Method: REG
- | | | | |
|------|---------------|---------------|-------|
| 0101 | Time Arranged | Room Arranged | Staff |
| 0201 | Time Arranged | Room Arranged | Staff |

Momix: "Dancers of astonishing talent and ingenuity." (The New Yorker), June 28th at Tawes Theatre.



UNIVERSITY of MARYLAND
College Park & University College Campus



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