



## COLLEGE PARK CAMPUS ADMINISTRATION

### Chancellor

John B. Slaughter

B.S., Kansas State University, 1953, 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.

## 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

Jean E. Brubaker

B.A., Oberlin College, 1973.

### 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.

### Executive Vice President

Kenneth W. Ford

A.B., Harvard University, 1948;  
Ph.D., Princeton University, 1953.

## UNIVERSITY POLICY STATEMENTS

The provisions of this publication are not to be regarded as an irrevocable 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.

### Vice President for General Administration

Warren W. Brandt

B.S., Michigan State University, 1944;  
Ph.D., University of Illinois, 1949.

### Vice President for Academic Affairs

David S. Sparks, Acting

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

### Vice President for Graduate Studies and Research

Robert E. Menzer, Acting

B.S., University of Pennsylvania, 1960;  
M.S., University of Maryland, College Park, 1962;  
Ph.D., University of Wisconsin, 1964.

### Vice President for Agricultural Affairs and Legislative Relations

Frank L. Bentz, Jr.

B.S., University of Maryland, 1942;  
Ph.D., University of Maryland, 1952.

### Vice President for Development

Robert G. Smith

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

## BOARD OF REGENTS

### Chairman

The Honorable Joseph D. Tydings

### Chairman, Emeritus

Louis L. Kaplan

### Chairman, Emeritus

B. Herbert Brown

### Vice Chairman

Allen L. Schwait

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Ralph W. Frey

Frank A. Gunther, Jr.

The Honorable Blair Lee III

Clarence M. Mitchell, Jr.

Peter F. O'Malley

Neil W. Randall

John W. T. Webb

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  
Room 1114, Main Administration Building  
University of Maryland, College Park  
College Park, Maryland, 20742

Campus Coordinator for 5504 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.

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**SUMMER SESSIONS  
UNIVERSITY OF MARYLAND  
COLLEGE PARK CAMPUS**

**Two Six Week Sessions**

**SESSION I** June 1 - July 8  
**SESSION II** July 12 - August 19

**Summer Sessions 1983**

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.

**ON-CAMPUS HOUSING SCHEDULE**

Date	Day	Summer 1983 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 3 is advised, especially for those students desiring single occupancy.	Residence Halls Agreement for Session I without financial obligation; written cancellation must be received by Resident Life.	Halls
March 28	Monday			
May 11	Wednesday			
May 30	Monday			
June 1	Wednesday			
June 21	Tuesday			
July 8	Friday			
July 10	Sunday			
July 12	Tuesday			
August 19	Friday			

**SUMMER SESSIONS IMPORTANT DATES**

**SUMMER SESSION I**

March 28 - May 17	Mail-in Registration; Requests processed daily
March 28 - May 17	Walk-in Registration —9am - 3pm. Room 1130 North Administration Building
May 18 - May 27	Walk-in Registration —9am - 4pm. Room 1130 North Administration Building
May 31	Walk-in Registration —9am - 5pm. Room 1130 North Administration Building SEE ALPHABETICAL SCHEDULE ON PAGE 4.
June 1 - 7	Late Registration (with a \$20.00 Late Fee). Room 1130 North Administration Building

**SUMMER SESSION II**

March 28 - June 17	Mail-in Registration; Requests processed daily
March 28 - June 24	Walk-in Registration —9am - 3pm. Room 1130 North Administration Building
June 27 - July 8	Walk-in Registration —9am - 4pm. Room 1130 North Administration Building
July 11	Walk-in Registration —9am - 5pm. Room 1130 North Administration Building SEE ALPHABETICAL SCHEDULE ON PAGE 4.
July 12 - 18	Late Registration (with a \$20.00 Late Fee) Room 1130 North Administration Building



## TUITION AND FEES

### ALL STUDENTS

Registration Fee per Session . . . . .	5.00
Recreation Fee per Session . . . . .	5.00
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 . . . . .	3.00

### UNDERGRADUATE STUDENTS

Tuition per Credit Hour . . . . .	64.00
Non-resident Fee per Session (must be paid by all students who are not residents of Maryland) . . . . .	15.00
Application Fee (New Students) . . . . .	20.00

### GRADUATE STUDENTS

Application Fee (Every student must be admitted) . . . . .	20.00
Tuition per Credit Hour:	
Resident Student . . . . .	77.00
Non-resident Student . . . . .	136.00
Continuing Registration Fee (Doctoral Candidate) . . . . .	10.00
ON-CAMPUS HOUSING Per Six-Week Session . . . . .	316.31

### OTHER FEES

Graduate Language Examination . . . . .	14.00
Graduation Fee, Bachelors and Master's Degrees . . . . .	15.00
Graduation Fee, Doctoral Degrees . . . . .	60.00
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.



## 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, 1983 . . . . .	June 7, 1983
Summer Session II, 1983 . . . . .	July 18, 1983
Fall Semester, 1983 . . . . .	September 15, 1983

### 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

### 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. The University sends bills to students for other financial obligations, i.e., parking tickets, library fines, etc., on a regular basis. A copy of the bill may be obtained by coming to Room 1103, South Administration Building, Monday through Friday, from 8:30 a.m. to 4:15 p.m., and until 6:00 p.m. on Wednesdays.

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.



## 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) . . . . .	454-5735

## ALPHABETICAL REGISTRATION SCHEDULE

**NOTE: THIS SCHEDULE IS IN EFFECT ON THESE DAYS ONLY.**  
See pages 2 and 5 for additional information on registration dates.

**SESSION I**    May 31, 1983

8:30 .....  
8:45 .....  
9:00 .....  
9:15 .....  
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Mckj - Mitc  
Mid - Myer  
Myes - Okee  
Okef - Pear  
Peas - Powe  
Powf - Reil  
Reim - Roma  
Romb - Sand  
Sane - Sefr  
Sefs - Simm  
Simm - Spai  
Spaj - Stri  
Strj - Thom  
Thon - Vand  
Vane - Wein  
Weio - Witk  
Witl - Zz  
Aa - AVer  
Aves - Benn  
Beno - Bous  
Bout - Cald  
Cale - Coha  
Cohb - Dave  
Davf - Dumo  
Dump - Finn  
Fino - Gend  
Gene - Grig  
Grih - Hend  
Hene - Iaca  
Iacb - Kaul  
Kaum - Kuld  
Kule - Lint  
Linu - Mann  
Mano - McKi

**SESSION II**    July 11, 1983

8:30 .....  
8:45 .....  
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4:30 .....  
4:45 .....

Cohb - Dave  
Davf - Dumo  
Dump - Finn  
Fino - Gend  
Gene - Grig  
Grih - Hend  
Hene - Iaca  
Iacb - Kaul  
Kaum - Kuld  
Kule - Lint  
Linu - Mann  
Mano - McKi  
Mckj - Mitc  
Mid - Myer  
Myes - Okee  
Okef - Pear  
Peas - Powe  
Powf - Reil  
Reim - Roma  
Romb - Sand  
Sane - Sefr  
Sefs - Simm  
Simm - Spai  
Spaj - Stri  
Strj - Thom  
Thon - Vand  
Vane - Wein  
Weio - Witk  
Witl - Zz  
Aa - AVer  
Aves - Benn  
Beno - Bous  
Bout - Cald  
Cale - Coha

## PROCEDURE SUMMARY FOR REGISTRATION 454-5559

	TRANSACTION	DATE	FEES	PERMISSION REQUIRED	REFUND	PERMANENT RECORD
<b>REGISTRATION (including changes)</b>	SSI	March 28-May 31	tuition per credit hour	department offering course		on record
	SSII	March 28-July 11	tuition per credit hour	department offering course		" "
<b>LATE REGISTRATION</b>	SSI	June 1-7	tuition plus \$20 late fee	department offering course		on record
	SSII	July 12-18	tuition plus \$20 late fee	department offering course		" "
<b>SCHEDULE ADJUSTMENT PERIOD</b>	Add SSI	June 1-7	tuition per credit hour	department offering course		on record
	SSII	July 12-18	tuition per credit hour	department offering course		" "
	Drop SSI	June 1-7	no fee		70%	no notation
	SSII	July 12-18	no fee			" "
<b>AFTER SCHEDULE ADJUSTMENT PERIOD</b>	Section Change (Drop and Add)					
	SSI	June 1-7	no fee	department offering course		new section on record
	SSII	July 12-18	no fee	department offering course		new section on record
	Add SSI	June 8 and later	tuition per credit hour plus \$2.00 per Add	department offering course and provost or dean		on record
<b>AFTER SCHEDULE ADJUSTMENT PERIOD</b>	SSII	July 19 and later	tuition per credit hour plus \$2.00 per Add	department offering course and provost or dean		on record
	Drop SSI	June 8-28	\$2.00 each		0% (100% charge)	Undergrad. - "W" Graduate - no notation
	SSII	July 19-August 8	\$2.00 each			Undergrad. - "W" Graduate - no notation
<b>AFTER SCHEDULE ADJUSTMENT PERIOD</b>	Section Change					
	SSI	June 8 and later	\$4.00 per change	department offering course		new section on record
	SSII	July 19 and later	\$4.00 per change	department offering course		new section on record

**NOTE:** STUDENTS WHO INTEND TO DROP ALL COURSES FOR WHICH THEY ARE REGISTERED MUST PROCESS A WITHDRAWAL FORM. DO NOT USE THE DROP FORM. WITHDRAWAL MAY BE ACCOMPLISHED IN ROOM 1101 NORTH ADMINISTRATION BUILDING. See page 6 for more information.

REGISTRATIONS AND SCHEDULE ADJUSTMENT TRANSACTIONS ARE COMPLETE AND OFFICIAL WHEN THE APPROPRIATE FORMS HAVE BEEN TURNED IN TO THE REGISTRATIONS OFFICE.

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## SUMMER 1983 REGISTRATION PROCEDURES

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**Note: NEW LOCATION FOR REGISTRATION**

A new on-line registration system will be implemented. All registration, drop, add, 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 registered at the College Park Campus for the Spring 1983 Semester should follow the registration procedures outlined below.

Former students who were not registered for the Spring 1983 Semester must follow the readmission/reinstatement information on page 11 of the catalog before registering.

New students must read the admissions information on page 11 of the catalog before registering.

Payments must accompany all mail-in registrations.

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### A. WALK-IN REGISTRATION

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**WHO?**

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

**WHEN?****Summer Session I**

March 28 - May 17; 9 a.m.-3 p.m.

May 18 - May 27; 9 a.m.-4 p.m.

May 31; 9 a.m.-5 p.m. (see alpha list, page 4)

**WHERE?**

Registrations Office  
Room 1130  
North Administration Building

**Summer Session II**

March 28 - June 24; 9 a.m.-3 p.m.

June 27 - July 8; 9 a.m.-4 p.m.

July 11; 9 a.m.-5 p.m. (see alpha list, page 4)

**HOW?**

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 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.

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 1 FOR SSI AND JULY 12 FOR SII WILL HAVE A \$20 LATE FEE ASSESSED.**

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### B. MAIL-IN REGISTRATION

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**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 28 - May 17 for Summer Session I.

March 28 - June 17 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?**

1. 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.**

2. Return the following in the enclosed envelope:

a. Schedule Request and Estimated Bill Form(s)

b. Admission Application, if necessary

c. Check made payable to the UNIVERSITY OF MARYLAND. Write your SOCIAL SECURITY NUMBER on the check.

3. 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.

4. The Office of the Bursar will notify you of any incorrect payments or adjustments to your account, such as additional charges, refunds, and credits.

5. 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 1. Special permission of the dean or division provost must be obtained prior to registration on or after June 8.

**SUMMER SESSION II**—A late fee of \$20.00 is assessed for registration on or after the first day of instruction, July 12. Special permission of the dean or division provost must be obtained prior to registration on or after July 19.

### 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 1 FOR SUMMER SESSION I OR JULY 12 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 them in late spring 1983 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 Registrations 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 1 - June 7	70%
June 8 - June 14	50%
June 15 - June 21	20%
June 22	00%
SUMMER SESSION II	
July 12 - July 18	70%
July 19 - July 25	50%
July 26 - August 1	20%
August 2	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 YOUR PREREGISTRATION FOR FALL SEMESTER 1983 COURSES**

**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, 8:30a.m. to 4:15p.m., Monday-Friday.
2. Registrations Counter, North Administration Building, First Floor Lobby, 8:00a.m.-5:00p.m., Monday-Friday.
3. Deans' or Provosts' Offices, 8:30a.m.-4:30p.m., Monday-Friday.
4. STAR CENTER, Student Union, Room 1122, 9:00a.m.-4:00p.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.



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## DIVISION/COLLEGE/MAJOR (COURSE OF STUDY) CHANGES

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### 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.

### GRADUATE STUDENTS ONLY:

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

## DIVISION/COLLEGE LOCATIONS

Division/College	Location
Agriculture	1122 Symons
Agricultural & Life Sciences	1110 Symons
Allied Health	3103 Turner
Architecture	1204 Architecture
Arts & Humanities	1111 Francis Scott Key
Behavioral & Social Sciences	2141 Tydings
Business & Management	3136 Tydings
Education	1210 Education
Engineering	1107 Engineering
Human & Community Resources	1120E Francis Scott Key
Human Ecology	1100 Marie Mount Hall
Journalism	4102 Journalism
Library & Information Services	1107 Hornbake Library
Mathematical & Physical Sciences & Engineering	1110 Math
Physical Education, Recreation & Health	1110 Physical Education, Recreation & Health Building
Undergraduate Studies	1115,3151 Hornbake Library

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## GRADUATE PROGRAM CODES

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ADVP - Animal Sciences	EDMS - Measurement & Statistics	HIST - History
AEED - Agricultural & Extension Education	EDPA - Education Public Administration	HLTH - Health Education
AGRO - Agronomy	EDSE - Secondary Education	HORT - Horticulture
AMST - American Studies	EDSP - Special Education	JOUR - Journalism
ANSC - Animal Science	ENAE - Aerospace Engineering	LBSC - Library and Information Services
ARCH - Architecture	ENAG - Agricultural Engineering	MAPL - Applied Mathematics
AREC - Agricultural and Resource Economics	ENCE - Civil Engineering	MAMP - Public Management
ARTS - Art	ENCH - Chemical Engineering	MATH - Mathematics
ASTR - Astronomy	ENEE - Electrical Engineering	MEES - Marine Estuarine and Environmental Science
BCHM - Biochemistry	ENGL - English Language & Literature	METO - Meteorology
BOTN - Botany	ENMA - Engineering Materials	MICB - Microbiology
BMGT - Business and Management	ENME - Mechanical Engineering	MUSC - Music
CHEM - Chemistry	ENNU - Nuclear Engineering	NUSC - Nutritional Sciences
CHPH - Chemical Physics	ENTM - Entomology	PCOM - Public Communications
CMLT - Comparative Literature	FDSC - Food Science	PHED - Physical Education
CMRT - Communication, Arts & Theatre	FMCD - Family & Community Development	PHIL - Philosophy
CMSC - Computer Science	FNIA - Food, Nutrition and Institutional Administration	PHYS - Physics
CRIM - Criminal Justice and Criminology	FRIT - French Language and Literature	POUL - Poultry Science
DAIR - Dairy Science	GEOG - Geography	PSYC - Psychology
ECON - Economics	GERS - German Language & Literature	RECR - Recreation
EDCP - Counseling and Personnel Services	GRAD - Unspecified Department	SOCY - Sociology
EDEL - Early Childhood -Elementary Education	GVPT - Government & Politics	SPAP - Spanish Language & Literature
EDHD - Human Development Education	HESP - Hearing and Speech Science	STAT - Statistics
EDIN - Industrial Education	HILS - History/Library Science	TXCE - Textiles & Consumer Economics
		URBS - Urban Studies
		ZOOL - Zoology

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## UNDERGRADUATE DIVISION/COLLEGE/MAJOR

### (COURSE OF STUDY) CODES

#### DIVISION

50-AGRICULTURAL & LIFE SCIENCES  
 03-EDUCATION (54)  
 04-ENGINEERING (51)  
 05-GRADUATE SCHOOL (58)  
 06-HUMAN ECOLOGY (54)  
 07-NURSING (56)  
 09-PHYSICAL EDUCATION, RECREATION & HEALTH (54)

53-ARTS AND HUMANITIES  
 54-HUMAN & COMMUNITY RESOURCES  
 55-UNDERGRADUATE STUDIES  
 56-ALLIED HEALTH PROFESSIONS

56-NURSING  
 56-PHARMACY  
 57-UNIVERSITY COLLEGE  
 58-GRADUATE SCHOOL

#### COLLEGE

The numbers in parentheses indicate the Division for each College.

00-AGRICULTURE (50)  
 03-EDUCATION (54)  
 04-ENGINEERING (51)  
 05-GRADUATE SCHOOL (58)  
 06-HUMAN ECOLOGY (54)  
 07-NURSING (56)  
 09-PHYSICAL EDUCATION, RECREATION & HEALTH (54)

10-UNIVERSITY COLLEGE (57)  
 11-PHARMACY (56)  
 14-ARCHITECTURE (53)  
 16-APPLIED HEALTH PROFESSIONS (56)  
 19-INDIVIDUAL STUDIES (55)  
 20-GENERAL STUDIES PROGRAM (55)  
 21-JOURNALISM (53)

22-I.E.D. (INTENSIVE EDUCATIONAL DEVELOPMENT (54)  
 23-BUSINESS & MANAGEMENT (52)  
 99-NO COLLEGE UNDERGRAD (50,51,52,53,55)

#### 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

### MAJOR (COURSE OF STUDY)

The numbers in parentheses indicate the Division/College for each Course of Study.

Major Code	Course of Study				
05020	- Accounting (52/23)	0803C	- Distributive Educ (54/03)	0899D	- Library Science Educ (54/03)
1302A	- Advertising Design (54/06)	00100	- Division of Agri & Life Sciences Undecided (50/99)	13040	- Management and Consumer Studies (54/08)
09020	- Aerospace Engineering (51/04)	00200	- Division of Mathematical & Physical Sciences & Engineering Undecided (51/99)	05070	- Management Science & Statistics (52/23)
22110	- Afro-American Studies (52/99)	05000	- Division of Behavioral & Social Sciences Undecided (52/99)	05090	- Marketing (52/23)
0899E	- Agrn & Extension Educ (50/00)	49000	- Division of Arts & Humanities Undecided (53/99)	17010	- Mathematics (51/99)
01110	- Agri & Resource Econ (50/00)	03000	- Division of Human & Community Resources Undecided (54/99)	08330	- Mathematics Education (54/03)
0119A	- Agrtural Chem (50/00)	08230	- Early Childhood Educ (54/03)	09100	- Mechanical Engineering (51/04)
09030	- Agricultural Engr (50/00)	22040	- Economics (52/99)	04110	- Microbiology (50/99)
01010	- Agricultural General (50/00)	08010	- Educ Undecided (54/03)	10050	- Music (53/99)
01000	- Agriculture Undecided (50/00)	08020	- Electrical Engr (51/04)	08320	- Music Education (54/03)
01020	- Agronomy-Crops (50/00)	08030	- English (53/99)	10060	- Music History & Lit (53/99)
01030	- Agronomy-soils (50/00)	0803D	- English Education (54/03)	1004A	- Music Theory & Composition (53/99)
0102A	- Agronomy-Turf & Urban Agro (50/00)	09000	- Engr Undecided (51/04)	09200	- Nuclear Engr (51/04)
03130	- American Studies (53/99)	09010	- Engr Undesignated BS (51/04)	1306B	- Nutrition (54/06)
01040	- Animal Science (50/00)	04210	- Entomology (50/99)	0515A	- Personnel & Labor Relations (52/23)
22020	- Anthropology (52/99)	1306C	- Experimental Foods (54/06)	15990	- Philosophy (53/99)
1303A	- Apparel Design (54/06)	1305A	- Family Studies (54/06)	08350	- Physical Education (54/09)
02020	- Architecture (53/14)	05040	- Finance (52/23)	19010	- Physical Sciences (51/99)
02022	- Architecture-B.S. (53/14)	0999A	- Fire Protection Engr (51/04)	19020	- Physics (51/99)
02121	- Architecture-Urban Studies (53/14)	13060	- Food, Nutrition & Institution Administration (54/06)	01060	- Poultry Science (50/00)
08310	- Art Education (54/03)	01130	- Food Science (50/00)	0202X	- Pre-Architecture (53/99)
10030	- Art History (53/99)	0689B	- Foreign Language Educ (54/03)	0500X	- Pre-Business (52/99)
10020	- Art Studio (53/99)	11020	- French (53/99)	12130	- Pre-Dental Hygiene (56/18)
19110	- Astronomy (51/99)	4901C	- General Studies Program (55/20)	0900X	- Pre-Engineering (51/99)
04140	- Biochemistry (50/99)	22060	- Geography (52/99)	0114A	- Pre-Forestry (50/00)
04010	- Biol Science-General (50/99)	19140	- Geology (50/99)	12230	- Pre-Medical Technology (56/16)
0401A	- Biol Science-Botany (50/99)	11030	- German & Slavic Lang & Lit (53/99)	12030	- Pre-Nursing (56/07)
0401B	- Biol Science-Entomology (50/99)	22070	- Government & Politics (52/99)	12110	- Pre-Pharmacy (56/11)
0401C	- Biol Science-Microbiology (50/99)	08370	- Health Education (54/09)	12250	- Pre-Radiologic Technology (56/16)
0401D	- Biol Science-Zoology (50/99)	12200	- Hearing & Speech Sciences (52/99)	2103X	- Pre-Recreation (54/99)
0401F	- Biol Science-Animal Science (50/99)	22050	- History (53/99)	12120	- Pre-Physical Therapy (56/16)
04020	- Botany (50/99)	0803G	- Home Economics Education (College of Education) (54/03)	1299C	- Pre-Veterinary Medicine (50/00)
0501A	- Business & Mgmt. General (52/23)	13000	- Human Ecology Undecided (54/06)	0599A	- Production Management (52/23)
08380	- Business Education (54/03)	01080	- Horticulture (50/00)	20010	- Psychology (52/99)
09060	- Chemical Engineering (51-04)	13020	- Housing (54/06)	06030	- Radio, TV & Film (53/99)
09080	- Chemistry (50/99)	00001	- I.E.D. (Intensive Educational Development) (54/22)	11060	- Recreation (54/09)
09080	- Civil Engineering (51/04)	49030	- Individual Studies (55/19)	03070	- Russian Area Studies (53/99)
1305B	- Community Studies (54/06)	0839B	- Industrial Arts Educ (54/03)	08440	- Science Education (54/03)
07010	- Computer Science (51/99)	0839A	- Industrial Technology (54/03)	0803H	- Societal Education (54/03)
01151	- Conservation & Resource Dev. Fish & Wildlife Mgmt (50/00)	07020	- Information Systems Mgmt (52/99)	0899F	- Social Studies Educ (54/03)
01152	- Conservation & Resource Dev. Plant Resource Mgmt (50/00)	1307A	- Institution Administration (54/06)	22080	- Sociology (52/99)
01153	- Conservation & Resource Dev. Pest Management (50/00)	1302B	- Interior Design (54/06)	11050	- Spanish (53/99)
01154	- Conservation & Resource Dev. Water Resource Mgmt (50/00)	03900	- Jewish Studies (53/99)	08080	- Special Education (54/03)
01155	- Conservation & Resource Dev. Resource Management (50/00)	06020	- Journalism (53/21)	0803L	- Speech and Drama Education (54/03)
1304A	- Consumer Economics/Consumer Technology (54/06)	08351	- Kinological Sciences (54/09)	1506A	- Speech Communication (53/99)
22090	- Criminology (52/99)	11090	- Latin Language & Lit (53/99)	1303C	- Textiles (54/06)
01050	- Dairy Science (50/00)	21050	- Law Enforcement (52/99)	1303B	- Textile Marketing/Fashion Merchandising (54/06)
10080	- Dance (53/99)			10070	- Theatre (53/99)
13070	- Dietetics (54/06)			05100	- Transportation (52/23)
				00400	- Undecided Undergraduate (55/99)
				22140	- Urban Studies (52/99)/(53/14)
				0839C	- Vocational Technical Education (54/03)
				04070	- Zoology (50/99)



# INDEPENDENCE DAY CELEBRATION

July 4, 1983

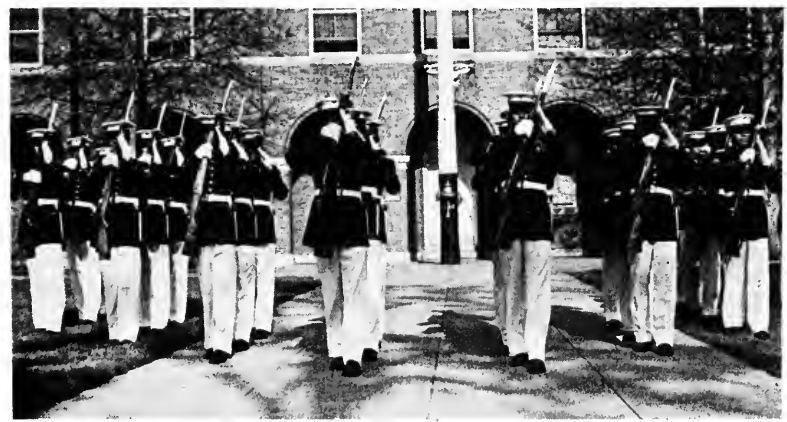
Byrd Stadium, University of Maryland

Sponsored by  
The City of College Park and the  
University of Maryland

- ★ Battle Color Ceremony
- ★ Concert
- ★ Fireworks

*featuring*

The U.S. Marine Drum and Bugle Corps  
The U.S. Marine Silent Drill Team  
The U.S. Marine Corps Color Guard  
The U.S. Marine Band





*July 12th — from NEW YORK CITY!  
UJC: The Big Apple Jazz Women Plus One*

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## UNDERGRADUATE ADMISSION INFORMATION

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### RETURNING STUDENTS TO THE COLLEGE PARK CAMPUS

1. Students who have attended the College Park campus as "term only" registrants any previous semester. **TO BE ADMITTED:** Complete the application for "Summer Only Undergraduate Students" enclosed in the center of this catalog. **TO REGISTER:** See pages 4 and 5.
2. Degree and non-degree students other than "term only" registrants who have attended any previous semester at the College Park campus, but not the Spring 1983 semester. **TO BE ADMITTED:** Complete the application for undergraduate readmission enclosed in the center of this catalog. **TO REGISTER:** See pages 4 and 5.
3. Students who were registered during the Spring 1983 semester, and are eligible to return in the Fall, and students who graduated from the College Park campus at the end of the Spring semester, are eligible to register for the Summer Sessions without being readmitted. **TO REGISTER:** See page 5 for information on summer registration.
4. Applicants who were dismissed or who withdrew from the College Park campus at the end of the Spring 1983 semester are eligible to attend the 1983 Summer Sessions without applying for reinstatement. However, these students must be reinstated in order to continue in the Fall 1983 semester. Students who were dismissed or who withdrew PRIOR to the Spring 1983 semester are NOT ELIGIBLE to attend Summer School unless they are reinstated prior to Summer Session registration. Deadline dates for applying for reinstatement are APRIL 15 for SUMMER SESSION I and MAY 15 for SUMMER SESSION II. Reinstatement applications may be obtained from the Reenrollment Office, Room 1117, North Administration Building.  
**TO REGISTER:** Students who were academically dismissed at the end of the Spring 1983 semester follow registration procedures on page 5. Students who were dismissed prior to Spring 1983 must present their official letter of reinstatement and follow registration procedures on page 5.

### NEW STUDENTS, COLLEGE PARK CAMPUS

1. **Summer Only Students**
  - a. Students enrolled at other colleges and universities or at other campuses of the University of Maryland. **TO BE ADMITTED:** Complete the "summer only" application for admission enclosed in the center of this catalog. Transcripts need not be submitted. The applicant's signature on the application certifies good standing and permission of the parent institution. Verification that credits earned at the College Park campus will be accepted by the parent institution is the responsibility of the applicant. **TO REGISTER:** See pages 4 and 5.
  - b. Applicants who have graduated from other colleges and universities. **TO BE ADMITTED:** Complete the "summer only" application for admission. Transcripts need not be submitted. **TO REGISTER:** See pages 4 and 5.
  - c. Teachers seeking certification or professional advancement through summer study who have not attended the College Park campus or who have been admitted previously for summer only attendance at College Park. **TO BE ADMITTED:** Complete the "summer only" application for admission. Transcripts need not be submitted. **TO REGISTER:** See pages 4 and 5.
  - d. High school graduates who wish to attend the Summer Sessions only. **TO BE ADMITTED:** Complete the "summer only" application in the center of this catalog. Eligibility requires a "C" average in academic subjects and rank in the upper 40% of the high school class. Applicants who do not meet these criteria should contact the College

Park campus Office of Undergraduate Admissions for information regarding alternate criteria for admission. High school transcripts are not required for "summer only" admission. However, the applicant's signature on the application certifies that he/she meets the University's freshman admission standards. New freshman students admitted for the Summer Sessions only will not be permitted to continue in the Fall unless regular admission application has been made and the applicant is eligible for regular admission. **TO REGISTER:** See pages 4 and 5.

- e. High school students entering the junior or senior year may enroll at the University during the summer if they have a minimum 3.00 "B" average. **TO BE ADMITTED:** Obtain a regular undergraduate application for admission and the admissions brochure, *Looking at Maryland*, and follow the procedures outlined in this material. **TO REGISTER:** If an official letter of admission for the Summer Session only is received, follow the instructions on page 5.
  - f. University College students. **TO BE ADMITTED:** Only a letter of permission from the University College Dean must be presented. **TO REGISTER:** See page 5.
2. **Summer 1983 and Fall 1983 Students**
    - a. New students who have applied for the Fall 1983 semester and have been admitted may register for Summer Sessions courses. **TO REGISTER:** See page 5.
    - b. New students who wish to attend the Summer Sessions and continue in the Fall 1983 semester. **TO BE ADMITTED:** Complete a regular undergraduate application for admission and follow the procedures outlined in the application booklet. Refer to the application booklet for deadline information and admission criteria. **TO REGISTER:** If an official letter of admission is received, see page 5.
    - c. New students who have applied for the Fall semester, but have not been admitted, should contact the Office of Undergraduate Admission. **TO REGISTER:** If an official letter of admission is received, see page 5.

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## GRADUATE ADMISSION INFORMATION

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### SUMMER GRADUATE STUDY

The Summer Programs offer a large selection of courses at the graduate level. Students wishing to enroll in courses numbered 600 or above must be in a graduate admitted status at the University of Maryland. Students who receive faculty guidance or wish to use the research facilities of the University during the summer must register for an appropriate number of credits. There are five types of graduate students who are eligible for enrollment during the 1983 Summer Sessions on the College Park Campus.

1. **CONTINUING STUDENTS**—Students whose graduate admission is still valid within the following time limits:

**Doctoral**—Five years from entrance date to be advanced to candidacy after which an additional four years are permitted for the completion of the remaining requirements, including the dissertation.

**Master's & Advanced Graduate Specialist (AGS) Certificate**—Five years from entrance date. Admission is valid either until the completion of the degree for which admitted or until the expiration of the time limits, whichever occurs first. The admitted status for both degree and certificate seekers is continued only if departmental and Graduate School academic and administrative requirements are maintained.

**Advanced Special Student**—Five years from entrance date unless a shorter period is specified in the offer of admission. The admitted status is continued only if Graduate School academic and administrative requirements are maintained.

Only six (6) hours of credit earned in the Advanced Special Student category may be applied to a degree program.

**Visiting Graduate**—One academic year. If the student's current graduate admission is valid, special Summer Session admission is not required. **TO REGISTER:** See pages 4 and 5.

2. **NEW DEGREE AND A.G.S. CERTIFICATE STUDENTS**—Students who wish to obtain a doctorate, a master's degree or Advanced Graduate Specialist (A.G.S.) Certificate must complete a regular application for admission to the Graduate School. The deadline for submitting an application and all supporting documents is May 1, 1983 for either Summer Session or the Fall 1983 semester. For application materials and a Graduate Bulletin, please write or call: The Graduate School, University of Maryland, College Park, Maryland 20742, (301) 454-4006. **DO NOT use the application in this schedule of classes.** Applicants are not eligible to register until an offer of admission letter is received from the Graduate School.

3. **ADVANCED SPECIAL STUDENT**—The Advanced Special Student status is designed to provide an opportunity for individuals who do not have an immediate degree objective in mind to take graduate level courses. Students admitted in this status are subject to the same instructor consent regulations as are other graduate students. A detailed statement of regulations governing the Advanced Special Student status, from which the following material is condensed, may be found in The Graduate Catalog. To be admitted, applicants must submit application, a \$20 fee and documents to satisfy ONE of the following criteria:

- Hold a baccalaureate degree from a regionally accredited institution with an overall "B" (3.0) average (official transcript required).
  - Hold a master's or doctoral degree from a regionally accredited institution (official transcript required).
  - 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).
  - Achieve a score that places the applicant in the upper 50 percentile of appropriate national standardized aptitude examinations such as the Graduate Record Examination Aptitude Test, The Miller Analogies Test, the Graduate Management Admissions Test. Official test transcripts are required.
4. Admission to Advanced Special Student Status will be granted by the Dean for Graduate Studies and Research.

Admission to Advanced Special Student status is not intended to be used as a qualifying program for either doctoral or master's programs nor for the Advanced Graduate Specialist Certificate program. A maximum of six (6) credit hours earned in this status may be applicable to a degree or certificate program at a later time with the approval of the faculty in the program:

To be admitted, complete the Graduate School application at the back of this booklet. The appropriate documentation, including transcript, test scores and/or letters from employer(s), must be submitted with the application. The \$20.00 application fee must also accompany the application. Do NOT mail the application after May 1, 1983 for Session I; June 5, 1983 for Session II.

Or bring it to Campus Registration. **TO REGISTER:** follow the Registration Procedures in this catalog.

A student wishing to be considered for admission to a degree program at a later time should present an application in the standard format to the Graduate School with a new application fee.

5. **VISITING GRADUATE STUDENT**—A graduate student matriculated in another graduate school may be admitted as a

visiting graduate student. Complete the Visiting Graduate Student "Summer Only" application enclosed at the back of this catalog. Transcripts are NOT required. A letter of permission from the applicant's graduate dean, indicating that the applicant is in good standing, must be submitted. Certification that credits earned at the College Park Campus will be accepted by the parent institution is the responsibility of the applicant. **TO REGISTER:** See pages 4 and 5.

6. **NATIONAL SCIENCE FOUNDATION INSTITUTE STATUS**—Application for admission to an NSF Institute should be addressed to the director of the NSF Institute. Students already admitted to a regular graduate degree or non-degree status may also qualify for participation in an NSF Institute.

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

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## FOREIGN STUDENTS ADMISSIONS INFORMATION

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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 home 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.

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## CLASS PERIODS

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Unless otherwise noted classes during the 1983 Summer Sessions will meet on the following time schedule:

Day Classes	Evening Classes
8:00 - 9:20	MW7:00 - 10:00p.m.
9:30 - 10:50	TTh7:00 - 10:00p.m.
11:00 - 12:20	MTWTh7:00 - 8:30p.m.
12:30 - 1:50	MTTh7:00 - 9:00p.m.
2:00 - 3:20	
3:30 - 4:50	

### Weekly Class Schedule - Six Week Courses

2 credit courses meet 4 days as indicated in this bulletin.

3 credit courses meet daily.

4 credit courses meet daily and include multiple periods for laboratory.

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## ACADEMIC INFORMATION

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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 a list designated by the University Studies Committee as suitable for satisfying each of the requirements. (See the Fall 1982 *Schedule of Classes* or consult an advisor for this list.)

### 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 sub-

ject. 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.



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## 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

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## 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*. 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."

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## 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, 1982-83, College Park Campus.

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## 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 15, degrees to be awarded as of August 25, 1983. 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.

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## 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

Normally, undergraduate students should 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 advisor and/or major department.

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## 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.



*It will be a night of family magic  
when the BROQUE OPERA COMPANY  
performs "Jack and the Beanstalk" on August 2.*

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## GENERAL INFORMATION

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### VETERANS BENEFITS

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

#### ENROLLMENT CERTIFICATION AND VA PAYMENTS

1. Computation of enrollment status: Undergraduate student enrollment status is based on the number of credits for which the student is registered. 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 Dr. Samon in the Graduate School and submitted to the Veterans Affairs Office when registering. Courses below 400-level will not receive Graduate Credit.

2. Basis for payment during each Summer Session.\*

Units for Credits for Undergraduates	Graduate Students	Status
4 or more	24	Full time
3	18	$\frac{3}{4}$ time
2	12	$\frac{1}{2}$ time
1	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).

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#### 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 the first week of June. Call 454-4261 for registration information.

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#### SUMMER RECREATION PROGRAM

WATCH FOR THE RECREATION BROCHURE  
GREAT SUMMER SPORTS ACTIVITIES  
CULTURAL EVENTS  
SPORTS TOURNAMENTS  
AND COMPETITIONS

For information: *Reckord Armory, Room 1104, 454-3124*

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## GENERAL INFORMATION

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### 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 1982-83 academic year will be honored for the 1983 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 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 1,2,3,4,7,8,9 and 11. 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 ungated 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.



### STUDENT HEALTH

The University Health Center, located on Campus Drive directly across the street from the Student Union, provides routine medical care and limited dental services for students enrolled for Summer Session courses on the College Park Campus. Hours for routine services are 8:00a.m. to 5:00p.m., Monday through Friday, with after-hours care available for urgent-type situations 24 hours a day.

Health Center Information	454-3444/5
Appointments	454-4923/4
Mental Health Service	454-4925
Pharmacy	454-6439
Campus Police (Emergency)	454-3333



### ON-CAMPUS HOUSING

Every student who registers for summer sessions coursework is encouraged to live on campus in the undergraduate residence halls. Accommodations are available also for visiting faculty and lecturers, researchers and other educators associated with the summer sessions.

Early reservation for summer sessions housing is advised. Room reservation procedures are discussed in the *Summer 1983 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. Inquiries are welcomed at:

Information Services  
Department of Resident Life  
3117B North Administration Bldg.  
University of Maryland  
College Park, MD 20742  
454-2711

Rooms are available from the period just prior to Session I registration until final examinations are completed for Session II. Please consult the calendar on page 2 of this catalog. Spring semester campus residents who register for Session I may be permitted to move directly from spring room assignments to Summer Sessions assignments, according to procedures and a calendar established by the Department of Resident Life. Spring semester residents should indicate their intention to move directly from current assignments by completing the appropriate space on the Residence Halls Agreement (in booklet section in the center of the catalog).

Rooms are available in two different hall types:

- \* Fully furnished and fully equipped apartments. Kitchen, private bath, shared living/dining area and single and double bedrooms are within each apartment for four or six students. Apartments are air-conditioned and fully carpeted.
- \* Traditional, "dormitory-style" solid-brick residence hall where men and women live on separate floors or wings of the building. Most rooms will be shared by two students. Furnishings include only twin beds, dresser, mirror and study desk and chair. Rooms open onto a central corridor, from which elevators, stairwells, telephones and restrooms/showers are accessed and shared with other students. A portable fan may be brought along since the hall is not air-conditioned.

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.

## GENERAL INFORMATION



### 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 precision encoder and pattern recognition device; a gravitational radiation detection system including a gravimeter on the moon; three retroreflector arrays on the moon; a psycho-pharmacology laboratory; rotating tanks for laboratory studies of meteorological phenomena; a linear accelerator; a high resolution spectroscopy facility; small groups behavioral research laboratories; computer simulation and gaming facilities; computer graphics, remote sensing and cartographic laboratories; specialized sound chambers for audiology research; a criminal forensics laboratory; a computer vision laboratory; the Astronomy Observatory; a laboratory for plasma and fusion energy studies, 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, South Carolina).

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 Bureaus of Business and Economic Research, and Governmental Research; the Center on Aging and Centers for Consumer Research; Educational Research and Development; Family, Housing and Community; Industrial Relations and Labor Studies; Information Sciences Research; 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; 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.



### DINING SERVICES

The Department of Dining Services has seventeen operations to serve the University community. Among these are four dining halls, located in the Cambridge, Ellicott, and Denton complexes, and in South Campus. Snack bars are located in three of the dining halls, the Fisherman's Net in Ellicott, the Terabac Room in Cambridge, and the Court Snack Bar in the South Campus Dining Hall. Also in the South Campus Dining Hall is the Gazebo Room, a full service cafeteria. In the Student Union are six eateries, Wiener Works, Fiesta's, Pizza 'n Pasta, The Maryland Deli and Sandwich Factory, Lamberghini's Pizza, and Nature's Garden, plus Dory's Sweet Shop. The Student Union also houses What's Your Beef, a full service restaurant, with the adjoining Chicago's Lounge. For more information, call the individual operations. The telephone numbers are available through Campus Information, 454-3311.



### DISABLED STUDENT SERVICES

Special assistance is available for students with disabilities. Among the services offered are: assistance with registration, reading services, interpreter services, accessibility information and orientation. 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 White Memorial Chemistry Library and the Engineering and Physical Sciences Library. The libraries have a total book collection of more than 1.5 million volumes and currently receive nearly 17,000 serials. In addition, the libraries contain 1.5 million microforms; 470,000 U.S. state and international government documents; 38,000 cassettes, records and tapes; and 75,000 maps. Bibliographical facilities include card 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 Student Union Building. Members of the University Community may purchase at reasonable rates textbooks, classroom materials, photographic materials, and many novelties, notions, gifts and clothing.



### 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.



*THE CANADIAN BRASS will appear  
on the first night of the 1983 INTERNATIONAL  
TUBA-EUPHONIUM CONFERENCE, June 21.*

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## SPECIAL PROGRAMS

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### 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.



### UNIVERSITY CHORUS 1983 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. Tentative plans are for a performance tour of Europe, including Salzburg and Athens. Other 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. 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.



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

George Moquin, Executive Director

In coordination with the Summer Entertainment Series in Tawes Theatre, described elsewhere in the catalog, the Summer Institute presents the following training and career development programs.

### THE INTERNATIONAL TUBA-EUPHONIUM CONFERENCE

June 21-25

Tubists Universal Brotherhood Association (TUBA) requested the Institute to sponsor this Conference in cooperation with its 1,770 members from throughout the world. The agenda will include solo and ensemble competitions, mock auditions, lecture-demonstrations, lecture-recitals, symposia, exhibitions of instruments and published music, and public concerts featuring internationally acclaimed artists and ensembles, world premieres and massed tuba-euphonium ensembles comprised of registered participants.



*A colorful evening of Spanish dancing —  
don't miss MORCA DANCE THEATRE,  
July 26.*



## SPECIAL PROGRAMS

**Pre-Registration Fees \***  
(Received by May 21, 1983)\*  
Full Conference: \$125.00\*  
Daily Rate: \$30.00\*

**Late Registration Fees**  
(After May 21, 1983)  
Full Conference: \$150.00  
Daily Rate: \$40.00

**Yearbook Short Course**  
June 20-22, 1983  
M-W, 10 a.m.-4 p.m.  
Special Fee: \$35.00

### The 13th ANNUAL INTERNATIONAL PIANO FESTIVAL AND COMPETITION

Dr. Stewart Gordon, Artistic Director  
July 16-23

This world-renowned Festival features outstanding international artists and teachers in concerts, master-classes and lecture-recitals. The Competition, which is a member of the International Federation of Music Competitions, Geneva, Switzerland, presents contestants from around the world, competing for thousands of dollars in prize money and performance opportunities.

**Pre-Registration Fees\***  
(Received by June 16, 1983)\*  
Full Festival: \$200.00\*

**Late Registration Fees**  
(After June 16 1983)  
Full Festival \$225.00

Information on individual event fees available on request.

### 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 several 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 or Howard Wiedemann, Experiential Learning Programs/Retired Volunteer Service Corps Office, (301) 454-4767.



## DIVISION OF ARTS AND HUMANITIES

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

<b>School Press Workshop I:</b> Writing and Editing June 20 through June 24 MTWThF, 9:30-3:30 Special Fee: \$60.00	<b>School Press Workshop II:</b> Layout and Graphics June 27 through July 1 MTWThF, 9:30-3:30 Special Fee: \$60.00
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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 news writing, interviewing, sports reporting, editorial writing, and feature writing. School Press Workshop II provides hands-on 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 Dr. Barbara Hines, College of Journalism, University of Maryland, College Park, MD 20742 or call 301-454-6939.

In the eighth annual Yearbook Short Course high school editors, reporters, and advisers can plan their 1983-84 school yearbook. Lecturers include noted yearbook experts Dr. Regis L. Boyle, Col. Charles Savedge, 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 Dr. Barbara Hines, College of Journalism, University of Maryland, College Park, MD 20742 or call 301-454-6939.

### Intensive Language Programs

Students who desire to improve their German or Spanish conversational skills in a total immersion environment are invited to join one of the summer language "houses." The programs are designed to develop conversational skills ranging from elementary to advanced levels. Each program will have special dormitory facilities in order to provide a continuous language training environment. Although not obligatory, registrants should take complete advantage of this training opportunity by residing in the "language house." In addition to instruction and drill, an exciting schedule of guest lecturers on literature, history, political topics, society and the national arts will be presented. In order to provide maximum conversational training opportunity members of the faculty will live in the "houses" with registrants. Stimulating social events appropriate to the cultures will round out these exciting language adventures.

**The German House:** Summer Sessions I and II, maximum of 8 credits per session. For details about the program and flexible registrations contact Dr. Guenter Pfister, Department of German and Slavic Languages, University of Maryland, College Park, Maryland 20742. Telephone: (301) 454-4301.

**The Spanish House:** Summer Session I. Maximum of 6 credits, For details contact Professor Patricia Fisher, Department of Spanish and Portuguese, University of Maryland, College Park, Maryland 20742. Telephone (301) 454-4305/4306.

### Department of Music

MUSC 448C/699C. **Flute Masterclass**, 2 credits, or non-matriculant/non-credit registration at special fees: performers, \$110.; participants, \$45.; auditors, \$30. July 5 to July 16, 1983. M-F, 10 a.m.-10 p.m.; Sat., 10 a.m.-8 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.

MUED 478G. **Developing Performance Skills in the Secondary Jazz Band**. 1 credit, or non-matriculant/non-credit registration for special fee: \$75. July 12 to July 22. M-F, 4:30-6 p.m.  
Professor George Ross

Presented by an outstanding jazz musician, this workshop is designed to help secondary school directors of jazz bands to improve techniques and to become acquainted with a broader selection suitable for use by secondary school musicians.

MUED 478A. **Kodaly, American Style**. 1 credit, or non-matriculant/non-credit registration at special fee: \$75. July 5 to July 9. T-Sat, 9 a.m.-4 p.m.  
Visiting Professor Aden Lewis

Presented by one of the foremost music educators in the country, the workshop will provide elementary and junior high school teachers with guidance in the American version of the teaching of Kodaly. Materials will be performed.



*Catch the beat of the*

**UIC: THE BIG APPLE JAZZ WOMEN PLUS ONE,**

*July 12.*

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## SPECIAL PROGRAMS

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### DIVISION OF BEHAVIORAL AND SOCIAL SCIENCES

#### Department of Anthropology

ANTH 499A/699A. Field Methods in Archeology. 6 credits. Session I.  
Dr. Mark Leone

An annual anthropological field school, the summer 1983 program again will be 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) 454-4154.



### DIVISION OF HUMAN AND COMMUNITY RESOURCES

#### College of Education

EDCI 488M, 0101. Selected Topics in Teacher Education: **Mathematics Workshop for Elementary Teachers**. 3 credits. June 27-July 15. Daily, 9 a.m.-4 p.m. Presented in Baltimore City.  
Dr. Martin Johnson

The sixth annual Mathematics Workshop for Elementary School Teachers will be presented in Baltimore. The workshop will review and update skills and materials for teaching mathematics.

EDCI 488Q. Selected Topics in Teacher Education: **Mainstreaming and Art Education**. 3 credits. June 1 to July 8. M, 4-7 p.m. Art Classes (clinical experiences): June 20 to July 8; Group I, ages 5-8 years, MTWTh, 9-10:30 a.m.; Group II, ages 9-12 years, MTWTh, 10:30 a.m.-12 noon. Children registering for art classes will register for SUMM 002. Special fee: \$75.  
Professor Harold McWhinnie

This course is designed to offer both a teacher training experience and a studio art experience for handicapped youngsters. The children, divided into two groups according to age, will be taught by the teachers in the course training program. Handicapped children who wish to register for the art classes must register for SUMM 002. For details contact Professor Harold McWhinnie, (301) 454-2021.

#### College of Library and Information Services

LBSC 499J. **Online Access to Business Information**. 3 credits. Session II. MTTh, 5-8 p.m. Special fee of \$50 in addition to tuition charge.  
Professor Marilyn D. White

A special workshop for students, business librarians, and information specialists in business firms and trade associations to provide training in computerized access to business information. A special feature will be 10 hours of supervised searching of databases such as Dialog, of Lockheed Corporation.

LBSC 499L. **Oral History and Folklore Sound Collection**. 1 credit or non-matriculant/non-credit registration for special fee: \$100. August 9-13. M-F, 6-9 p.m.  
Professor Frederick Stielow

A workshop providing special emphasis on establishing and maintaining sound collections and programs, featuring special laboratory sessions.

LBSC 499Y. **Workshop in Online Reference Services (ORBIT)**. 1 credit. July 16 and 30. Sat. 8:30 a.m.-12 noon, 1-5 p.m. Special fee of \$15 in addition to tuition.  
Professor Marilyn D. White

This course is designed to provide students with a compact introduction to interactive bibliographic retrieval using the ORBIT interface language.

SUMM 001. **On-line Company-Related Information Workshop**. Special fee: \$100. Wed., July 27, 8:30 a.m.-4:30 p.m.  
Professor Marilyn D. White

A workshop to familiarize participants with the range of databases providing information related to companies that are available through a number of software vendors. The program will be of value to librarians and business information specialists.

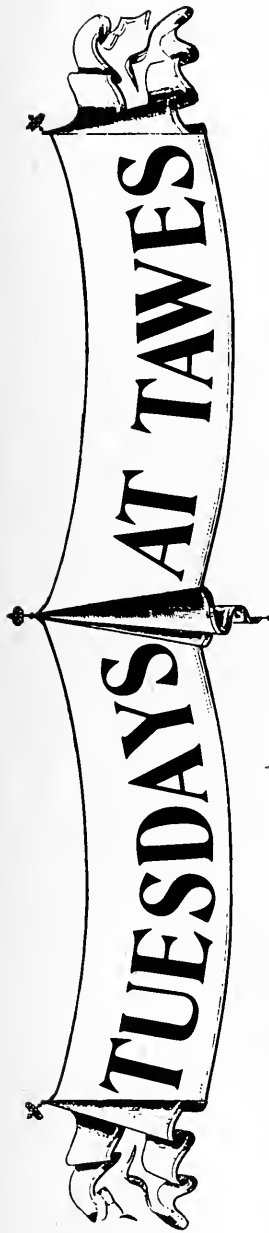


### DIVISION OF MATHEMATICAL AND PHYSICAL SCIENCES AND ENGINEERING

#### Department of Mathematics

SUMM 003. **Building Math Self-Confidence: A review of High School Algebra**. Non-credit. Special fee: \$200.  
Professor Sally Wilding

The Department of Mathematics offers this special course to assist students in gaining confidence in math and instruction and practice in the basics of algebra. This workshop prepares students for college level math courses.



**TUESDAYS AT TAWES**



July 26  
MORCA DANCE  
THEATRE

STUDENTS,  
FACULTY,  
STAFF,  
ALUMNI...

- JUNE 7 HARLEM SCHOOL OF THE ARTS  
 JUNE 14 COMPOSERS STRING QUARTET  
 JUNE 21 THE CANADIAN BRASS  
 JUNE 28 LAURA DEAN DANCERS AND MUSICIANS  
 JULY 12 UJC: THE BIG APPLE JAZZ WOMEN PLUS ONE  
 JULY 19 ALAN MARKS  
 JULY 26 MORCA DANCE THEATRE  
 AUGUST 2 BROUQUE OPERA COMPANY IN  
 JACK AND THE BEANSTALK

SUBSCRIPTION DISCOUNTS • FREE PARKING

For information call TAWES THEATRE Box Office, 454-2201

All programs subject to change.



June 14  
COMPOSERS STRING QUARTET



August 2  
BROUQUE OPERA COMPANY

**YOUR  
SEATS ARE  
RESERVED!!**



July 19  
ALAN MARKS

#### 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** 1983 Tuesday performing arts event sponsored by the Maryland Summer Institute for the Creative and Performing Arts. All performances are in Tawes Theatre.

#### 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 the Summer Sessions pay for a **Summer Activity Card** at the Cashier's Window, South Administration Building, and present the card at the Tawes Theatre Box Office.

#### WHERE AND WHEN:

The Tawes Theatre Box Office, open Monday-Friday, 12:30-5:30 p.m., will distribute complimentary tickets weekly to registered Summer Sessions students and Summer Activity Card holders on a first-come, first-served basis beginning **Wednesday, June 1.**



June 28

LAURA DEAN DANCERS AND MUSICIANS



June 21

THE CANADIAN BRASS

THIRTEENTH ANNUAL  
UNIVERSITY OF MARYLAND

*International  
Piano Festival  
& Competition*  
JULY 16- 23, 1983



July 17  
AUGUSTIN ANIEVAS



July 18  
MARTINS & LIMA



July 19  
ALAN MARKS



July 20  
ALDO CICCOLINI



July 21  
MOURA LYMPANY



July 22  
RUDOLF FIRKUSNY

STEWART GORDON, DIRECTOR

SPONSORED BY  
THE MARYLAND SUMMER INSTITUTE  
FOR THE CREATIVE AND PERFORMING ARTS

**The Festival**

**Daytime Events:** Master classes and lecture recitals by internationally recognized artists and teachers in the Center of Adult Education Auditorium

**Evening Recitals:** Augustin Anievas (July 17), Joao Carlos Martins & Arthur Lima (July 18), Alan Marks (July 19), Aldo Ciccolini (July 20), Moura Lympany (July 21), and Rudolf Firkusny (July 22)

**The Competition**

**Daytime Events:** Preliminary Rounds, July 16 & 17; Semi-Final Rounds, July 18-22

**Evening Events:** Gala Benefit Concert, July 21; Competition Finals, July 23 assisted by the Maryland Festival Orchestra, Tawes Theatre

\* Programs Subject to Change \*



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

# THE INTERNATIONAL TUBA-EUPHONIUM CONFERENCE

## Participating Panelists and Performing Artists:

Jorgen Voight Arnsted, *Denmark*  
 Joel Bristol, *Riverdale, MD*  
 B.J. Bucher, *Chamber Music America*  
 Warren Deck, *Westwood, NJ*  
 Sumner Erickson, *Pittsburgh, PA*  
 Toby Hanks, *New York City*  
 Paul Krzywicki, *Wyndmoor, PA*  
 Donald Little, *Denton, TX*  
 Earle Louder, *Morehead, KY*  
 Graham McEvoy, *England*  
 Rich Matteson, *Lewisville, TX*  
 Toru Miura, *Japan*  
 Robert Pallansch, *Falls Church, VA*  
 Barrie Perrins, *England*  
 Harvey Phillips, *Bloomington, IN*  
 Zdzislaw Piernik, *Poland*  
 Bill Reichenback, *Arleta, CA*  
 James Self, *Los Angeles, CA*  
 Robert Sheldon, *Smithsonian Institution*  
 Dee Stewart, *Bloomington, IN*  
 Robert Stewart, *New York City*  
 Peter Sykes, *Australia*  
 Robert Tucci, *Germany*

## Performing Ensembles:

JUNE 21 THE CANADIAN BRASS  
 JUNE 22 TOKYO BARI-TUBA ENSEMBLE  
 JUNE 23 THE USAF BAND AND THE U.S.  
 ARMED FORCES ENSEMBLE (*afternoon*)  
 NEW YORK BRASS QUINTET (*evening*)  
 JUNE 24 WASHINGTON SAXHORN ENSEMBLE  
 JUNE 25 ALL-STAR ENSEMBLES, MATTESON-  
 PHILLIPS TUBAJAZZ CONSORT,  
 INTERNATIONAL CONFERENCE  
 ENSEMBLE (*all conference participants*)

\* Programs Subject to Change \*

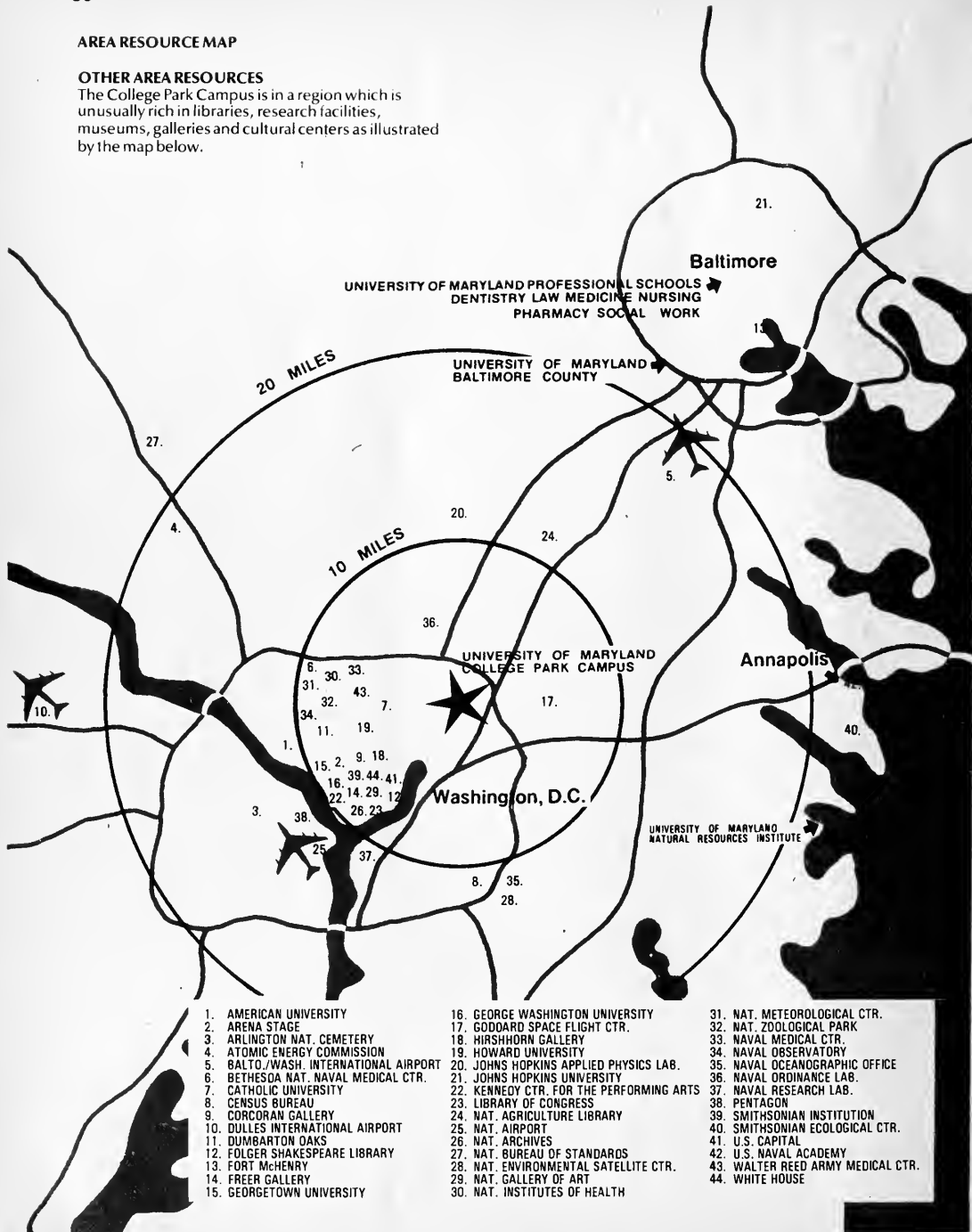
For information: TUBA  
 SUMMER PROGRAMS  
 University of Maryland  
 College Park, MD 20742  
 (301) 454-5910



## 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 ORDINANCE 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            |                                   |



# AASP

(BEHAV AND SOC SCI)

## AFRO-AMERICAN STUDIES

- AASP 100 Introduction to Afro-American Studies** 3 credits, grading method: Reg/P-F/Aud  
 USF Distributive Studies (A) Cultural and Historical Approved Course  
 0101 MTUWTH9-12 Bldg. RR, Rm. 0123 Brooks-Watts, E  
 A survey of significant aspects of black life and thought which are reflected in black literature, music and art. This interdisciplinary course examines the African cultural and historical backgrounds and traces the development of black culture in Africa, the United States and the Caribbean from the fifteenth century to contemporary times. Emphasis is placed upon the social, political and economic changes in black life that have influenced the ideas of black artists and spokesmen
- AASP 202 Black Culture in the United States** 3 credits, grading method: Reg/P-F/Aud  
 USF Distributive Studies (A) Cultural and Historical Approved Course  
 0101 MTUWTH9-20 Bldg. SSB, Rm. 1210 Harley, S  
 The course examines important aspects of American negro life and thought which are reflected in Afro-American literature, drama, music and art. Beginning with the cultural heritage of slavery, the course surveys the changing modes of black creative expression from the nineteenth-century to the present.
- AASP 386 Field Work** 1-3 credits, grading method: Reg/P-F/Aud  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff
- AASP 387 Field Work Analysis** 1-3 credits, grading method: Reg/P-F/Aud  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff
- AASP 400 Directed Readings in Afro-American Studies** 3 credits, grading method: Reg/P-F/Aud  
 0101 Arranged Bldg. Arr. Harley, S  
 The readings will be directed by the director of Afro-American studies. Topics to be covered, the topics will be chosen by the director to meet the needs and interests of individual students

# AED

AGRICULTURAL AND EXTENSION EDUCATION (AG AND LIFE SCI)

- AED 325 Directed Experience in Extension Education** 1-5 credits, grading method: Reg/P-F/Aud  
 0101 Arranged Bldg. Arr. Nelson, C  
 0201 Arranged Bldg. Arr. 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
- AED 487 Conservation of Natural Resources** 3 credits, grading method: Reg/P-F/Aud  
 Concurrent Registration With AED 497 Required  
 Field Trips: 6/4; 6/11; 6/18; 6/20-24; 6/27-7/1  
 0101 TH-10PM Bldg. O, Rm. 0115 Wright, E  
 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 AED 497 in summer session
- AED 488 Critique in Rural Education** 1 credit, grading method: Reg/P-F/Aud  
 (Must Have Permission of Instructor)  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff  
 Current problems and trends in rural education.
- AED 489 Field Experience** 1-4 credits, grading method: Reg/P-F/Aud  
 (Permission of Instructor Required)  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff  
 Prerequisite: consent of department. Planned field experience for both major and non-major students. Repeatable to a maximum of four credits
- AED 489A Field Experience** 2 credits, grading method: Reg/Aud  
 Agricultural Instructor  
 Permission of Instructor Required  
 July 18-29 Full Time; Other Meetings Arranged  
 0201 Arranged Bldg. Arr. Massie sr, C  
 Prerequisite: consent of department. Planned field experience for both major and non-major students.
- AED 487 Conservation of Natural Resources** 3 credits, grading method: Reg/P-F/Aud  
 Concurrent Registration With AED 487 Required  
 Field Trips: 6/4; 6/11; 6/18; 6/20-24; 6/27-7/1  
 0101 TH-10PM Bldg. O, Rm. 0115 Wright, E  
 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 AED 487 in summer session
- AED 499 Special Problems** 1-3 credits, grading method: Reg/P-F/Aud  
 (Permission of Instructor Required)  
 0101 Arranged Bldg. Arr. Messersmith, D  
 0201 Arranged Bldg. Arr. Messersmith, D  
 Prerequisite: staff approval.
- AED 896 Special Problems** 1-3 credits, grading method: Reg/Aud  
 (Permission of Instructor Required)  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff  
 Prerequisite: approval of staff.
- AED 789R Special Topics** 1-3 credits, grading method: Reg/Aud  
 Planning and Conducting See Programs  
 Additional Half-Day Classes Arranged After 6/21  
 0101 WA-30-7 Bldg. O, Rm. 0115 Cooper, E
- AED 795T Special Topics** 1-3 credits, grading method: Reg/Aud  
 Current Legislative Issues in Agricultural Education  
 Additional Half-Day Classes Arr. After 6/21  
 0101 Tu 4:45-7:15 Bldg. O, Rm. 0115 Nelson, C
- AED 799 Master's Thesis Research** 1-6 credits, grading method: Reg only  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff
- AED 890 Doctoral Dissertation Research** 1-8 credits, grading method: Reg only  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff

# AGRI

(AG AND LIFE SCI)

## AGRICULTURE

- AGRI 389 Internship in Conservation and Resource Development** 3 credits, grading method: P-F only  
 Permission Required  
 Crd and Related Majors Only  
 0101 Arranged Bldg. Arr. Messersmith, D  
 0201 Tu 4 Bldg. O, Rm. 0115 Messersmith, D  
 Qualified students are placed in career-related jobs for 20 hours per week during each summer session. Special projects are assigned in addition to regular work responsibilities; weekly discussions on progress in job and career planning

# AGRI cont.

- AGRI 489 Special Topics in Agriculture** 3 credits, grading method: Reg/P-F/Aud  
 Ornithology for Science Teachers  
 0201 MTUWTH9-12 Bldg. OO, Rm. 2300 Messersmith, D  
 Credit according to time scheduled and amount of the course. A lecture series organized to study in depth a selected phase of agriculture not normally associated with one of the existing programs

# AGRO

(AG AND LIFE SCI)

- AGRONOMY**
- AGRO 499 Special Problems in Agronomy** 1-3 credits, grading method: Reg/P-F/Aud  
 0101 Arranged Bldg Arr. Staff  
 0201 Arranged Bldg Arr. Staff  
 Prerequisites: AGRO 302, 406, 407 or permission of instructor. A detailed study, including a written report of an important problem in agronomy
- AGRO 608 Research Methods** 2 credits, grading method: Reg/Aud  
 0101 Arranged Bldg Arr. Staff  
 0201 Arranged Bldg Arr. Staff  
 Second semester Prerequisite permission of instructor. Development of research viewpoint by detailed study and report on crop research at the Maryland experiment station or review of literature on specific phases of a problem
- AGRO 799 Master's Thesis Research** 1-6 credits, grading method: Reg only  
 0101 Arranged Bldg Arr. Staff  
 0201 Arranged Bldg Arr. Staff
- AGRO 899 Doctoral Dissertation Research** 1-8 credits, grading method: Reg only  
 0101 Arranged Bldg Arr. Staff  
 0201 Arranged Bldg Arr. Staff

# AMST

(ARTS AND HUM)

- AMERICAN STUDIES**
- AMST 298A Selected Topics in American Studies** 3 credits, grading method: Reg/P-F/Aud  
 Television and American Culture  
 0101 MW1-4 Bldg A, Rm. 2110 Mintz, L  
 Cultural study involving diversified artifacts and documents from both past and contemporary American experience
- AMST 398 Independent Studies** 1-3 credits, grading method: Reg/P-F/Aud  
 0101 Arranged Bldg Arr. Staff  
 0201 Arranged Bldg Arr. Staff  
 Prerequisite: permission of instructor. Provides the student with the opportunity to pursue independent, interdisciplinary research and reading in specific areas of American culture studies. May be repeated for a maximum of six credits.
- AMST 418B Cultural Themes in America** 3 credits, grading method: Reg/P-F/Aud  
 Culture and Society in American Humor  
 Course Meets University Studies Program Advanced Studies Requirement.  
 0101 TuTh1-4 Bldg. A, Rm. 2126 Mintz, L  
 Examination of structure and development of American culture through humor
- AMST 418C Cultural Themes in America** 3 credits, grading method: Reg/P-F/Aud  
 Conservation, Ecology, and the Environment in America  
 0201 TuTh1-4 Bldg A, Rm. 2110 McCarthy, M  
 Examination of structure and development of American culture through conservation, ecology, and the environment
- AMST 426 Culture and the Arts in America** 3 credits, grading method: Reg/P-F/Aud  
 0201 MW1-4 Bldg A, Rm. 2110 McCarthy, M  
 Analysis of development of American cultural institutions and artifacts. Emphasis on relationship between intellectual and esthetic climate and the institutions and artifacts
- AMST 698 Directed Readings in American Studies** 3 credits, grading method: Reg/Aud  
 0101 Arranged Bldg Arr. Staff  
 0201 Arranged Bldg Arr. Staff  
 This course is designed to provide students with the opportunity to pursue independent, interdisciplinary research and reading in specific aspects of American culture under the supervision of a faculty member. Repeatable to a maximum of six credits.
- AMST 799 Master's Thesis Research** 1-6 credits, grading method: Reg only  
 0101 Arranged Bldg Arr. Staff  
 0201 Arranged Bldg Arr. Staff
- AMST 899 Doctoral Dissertation Research** 1-8 credits, grading method: Reg only  
 0101 Arranged Bldg Arr. Staff  
 0201 Arranged Bldg Arr. Staff

# ANSC

(AG AND LIFE SCI)

- ANIMAL SCIENCE**
- ANSC 386 Field Work** 1-3 credits, grading method: Reg/P-F/Aud  
 0101 Arranged Bldg Arr. Staff  
 0201 Arranged Bldg Arr. Staff
- ANSC 387 Field Work Analysis** 1-3 credits, grading method: Reg/P-F/Aud  
 0101 Arranged Bldg Arr. Staff  
 0201 Arranged Bldg Arr. Staff
- ANSC 399 Special Problems in Animal Science** 1-2 credits, grading method: Reg/P-F/Aud  
 0101 Arranged Bldg Arr. Staff  
 0201 Arranged Bldg Arr. Staff  
 Prerequisite: approval of staff. Work assigned in proportion to amount of credit. A course designed for advanced undergraduates in which specific problems relating to animal science will be assigned.
- ANSC 660 Poultry Literature** 1-4 credits, grading method: Reg/Aud  
 0101 Arranged Bldg Arr. Thomas, O  
 0201 Arranged Bldg Arr. 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/Aud  
 0101 Arranged Bldg Arr. Staff  
 0201 Arranged Bldg Arr. Staff  
 Work assigned in proportion to amount of credit. Prerequisite: approval of staff
- ANSC 799 Master's Thesis Research** 1-6 credits, grading method: Reg only  
 0101 Arranged Bldg Arr. Staff  
 0201 Arranged Bldg Arr. Staff
- ANSC 899 Doctoral Dissertation Research** 1-8 credits, grading method: Reg only  
 0101 Arranged Bldg Arr. Staff  
 0201 Arranged Bldg Arr. Staff

# ANTH

(BEHAV AND SOC SCI)

- ANTHROPOLGY (BEHAV AND SOC SCI)**
- ANTH 101 Introduction to Anthropology: Archaeology and Physical Anthropology** 3 credits; grading method: Reg/P-F/Aud  
 USP Distributive Studies (B) Nat Sciences and Mathematics Approved Course  
 0101 MTUWThF9.30 Blg AR, Rm 0121 Stuart, W  
 May be taken for credit in the general education program. General patterns of the development of human culture; the biological and morphological aspects of man viewed in his cultural setting
- ANTH 102 Introduction to Anthropology: Cultural Anthropology and Linguistics** 3 credits; grading method: Reg/P-F/Aud  
 USP Distributive Studies (D) Soc and Behavioral Sciences Approved Course  
 0201 MTUWThF9.30 Blg AR, Rm 0121 Stuart, W  
 Social and cultural principles as exemplified in ethnographic descriptions. The study of language within the context of anthropology.
- ANTH 389A Research Problems** 1-6 credits; grading method: Reg/P-F/Aud  
 0101 Arranged Blg. Arr. Leone, M  
 0201 Arranged Blg. Arr. Chambers, E  
 Prerequisite: permission of instructor. Introductory training in anthropological research methods. The student will prepare a paper embodying the results of an appropriate combination of research techniques applied to a selected problem.
- ANTH 499A Field Methods in Archaeology** 1-6 credits; grading method: Reg/P-F/Aud  
 Summer Field School in Archaeology (Permission of Instructor)  
 0101 - 01 Jun-13 Jul Blg. Arr. Leone, M  
 Field training in the techniques of archaeological survey and excavation.
- ANTH 689A Special Problems in Anthropology** 1-6 credits; grading method: Reg/Aud  
 0101 Arranged Blg. Arr. Leone, M  
 0201 Arranged Blg. Arr. Chambers, E
- ANTH 699A Advanced Field Training in Archaeology** 1-6 credits; grading method: Reg/Aud  
 0101 - 01 Jun-13 Jul Blg. Arr. Leone, M  
 Offered in the summer session only.

# APDS

(HUM AND COM RES)

- APPLIED DESIGN (HUM AND COM RES)**
- APDS 101A Fundamentals of Design** 3 credits; grading method: Reg/P-F/Aud  
 0101 MTUWThF8-10 Blg H, Rm 2411 Roper, J  
 0102 MTUWThF10-12 Blg H, Rm 2411 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  
 0101 MTUWTh9-12 Blg. H, Rm. 2415 Ansell, J  
 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, 102  
 0101 MTUWTh9-30-3.30 Blg. H, Rm. 2415 Thomas, C  
 Three studio periods. Creative efforts directed to discriminating use of form, volume, depth, and movement.
- APDS 210 Presentation Techniques** 3 credits; grading method: Reg/P-F/Aud  
 Prerequisite: APDS 101, 102  
 0101 MTUWTh12-3-4 Blg. H, Rm. 2411 Williams, R  
 Three studio periods. Comparative approach to basic presentation techniques used in the several areas of commercial design.
- APDS 330 Typography and Lettering** 3 credits; grading method: Reg/P-F/Aud  
 Prerequisite: APDS 101, 102, Edit 160  
 0101 MTUWTh9-12 Blg. H, Rm. 1413 Geddes, M  
 Three studio periods. Prerequisites: APDS 101, 102. Experience in hand lettering techniques as a means of understanding lettering styles in design composition. Recognition of type faces used in advertisement, book and magazine layout. Effect of printing processes on design choices.
- APDS 386 Field Work** 1-3 credits; grading method: Reg/P-F/Aud  
 Must Be Taken Concurrently With APDS 387  
 Written Permission Required  
 Advertising Design Portfolio Review  
 0101 Arranged Blg. Arr. Holvey, S
- APDS 387 Field Work Analysis** 1-3 credits; grading method: Reg/P-F/Aud  
 Must Be Taken Concurrently With APDS 386  
 Written Permission Required  
 0101 Arranged Blg. Arr. Holvey, S
- APDS 430 Advanced Problems in Advertising Design** 3 credits; grading method: Reg/P-F/Aud  
 Prerequisite: APDS 331  
 0101 MTUWTh1-4 Blg. H, Rm. 1413 Thorpe, J  
 Two studio periods. Advanced problems in design and layout planned for developing competence in one or more areas of advertising design.
- APDS 499 Individual Problems in Applied Design** 3-4 credits; grading method: Reg/P-F/Aud  
 0101 Arranged Blg. Arr.  
 Written consent of instructor. Open only to advanced students who, with guidance, can work independently.

# ARCH

(ARTS AND HUM)

- ARCHITECTURE (ARTS AND HUM)**
- ARCH 401 Architecture Studio IV** 4 credits; grading method: Reg/P-F/Aud  
 0101 - 01 Jun - 19 Aug Blg. AR, Rm. 0101  
 0102 - 01 Jun - 19 Aug Blg. AR, Rm. 0101  
 Section 0102 Held in Paris, France  
 0101 MWF1-6 Arranged Lec. Blg. ARC, Rm. 0101 Lab. Blg. ARC, Rm. 1102 Muse, S  
 0102 Arranged Arranged Lec. Blg. AR / Lab. Blg. AR. Muse, S  
 Prerequisite - ARCH 400 with a grade of C or better and ARCH 410. Corequisite - ARCH 411, except by permission of the Dean. Continuation of design studio work with emphasis on urban design factors.
- ARCH 478A Selected Topics in Architecture** 2 credits; grading method: Reg/P-F/Aud  
 Historical Preservation Workshop  
 15 Jun - 2 Jul Blg. Arr. Fogle, D  
 Prerequisite: consent of instructor.
- ARCH 500 Advanced Topical Problems in Architecture I** 6 credits; grading method: Reg/P-F/Aud  
 0101 - 01 Jun-19 Aug Blg. AR, Rm. 0101  
 0102 - 01 Jun-19 Aug Blg. AR, Rm. 0102  
 Section 0102 Held in Paris, France  
 0101 MWF1-6 MWF1-6 Blg. ARC, Rm. 0102 Muse, S  
 0102 Arranged Blg. Arr. Romenach, M  
 Prerequisite - ARCH 401 with a grade of C or better. Offers several studio options in advanced topical problems from among which the student selects one. Studies are structured under generic titles

# ARCH cont.

- and includes lectures, field trips, and assigned readings as well as directed independent work. Architecture majors only.
- ARCH 600 Architecture Studio V** 6 credits; grading method: Reg/Aud  
 0101 - 01 Jun-19 Aug Blg. ARC, Rm. 0101 Muse, S  
 0102 - 01 Jun-19 Aug Blg. AR, Rm. 0101 Romenach, M  
 Section 0102 Held in Paris, France  
 0101 MWF1-6 MWF1-6 Blg. ARC, Rm. 0101 Muse, S  
 0102 Arranged Blg. Arr. Romenach, M  
 Prerequisite: ARCH 403, or equivalent. Comprehensive building and urban design; studio options in advanced topical problems.
- ARCH 601 Architecture Studio VI** 6 credits; grading method: Reg/Aud  
 0101 - 01 June-19 Aug Blg. AR, Rm. 0101 Muse, S  
 0102 - 01 June-19 Aug Blg. AR, Rm. 0101 Romenach, M  
 Section 0102 Held in Paris, France  
 0101 MWF1-6 MWF1-6 Blg. ARC, Rm. 0101 Muse, S  
 0102 Arranged Blg. Arr. Romenach, M  
 Prerequisite: ARCH 600. Continuation of ARCH 600.
- ARCH 700 Architecture Studio VII** 6 credits; grading method: Reg/Aud  
 0101 - 01 June-19 Aug Blg. AR, Rm. 0102 Muse, S  
 0102 - 01 June-19 Aug Blg. AR, Rm. 0102 Romenach, M  
 Section 0102 Held in Paris, France  
 0101 MWF1-6 MWF1-6 Blg. ARC, Rm. 0102 Muse, S  
 0102 Arranged Blg. Arr. Romenach, M  
 Prerequisite: ARCH 601. Continuation of ARCH 601.

# AREC

AGRICULTURAL AND RESOURCE ECONOMICS (AG AND LIFE SCI)

- AREC 250 Elements of Agricultural and Resource Economics** 3 credits; grading method: Reg/P-F/Aud  
 0201 MTUWThF9.30 Blg V, Rm. 1313 Staff  
 An introduction to economic principles of production, marketing, agricultural prices and incomes, farm labor, credit, agricultural policies, and government programs.
- AREC 399 Special Problems** 1-2 credits; grading method: Reg/P-F/Aud  
 0101 Arranged Blg. Arr. Staff  
 0201 Arranged Blg. Arr. Staff
- AREC 689A Special Topics in Agricultural and Resource Economics Approaches to Agricultural Development** 1 credit; grading method: Reg/Aud  
 0101 MTUWThF4-6.30 Blg. O, Rm. 0200 Moore and staff  
 Students will participate through study of problems in the field, reporting to seminar members and defending positions adopted. Outstanding leaders in the field will present ideas for analysis and discussion among class members. Students involved in original research will present progress reports. Class discussion will provide opportunity for constructive criticism and guidance.
- AREC 699 Special Problems in Agricultural and Resource Economics** 1-2 credits; grading method: Reg/Aud  
 0101 Arranged Blg. Arr. Staff  
 0201 Arranged Blg. Arr. Staff  
 Intensive study and analysis of specific problems in the field of agricultural and resource economics, which provide information in depth in areas of special interest to the student.
- AREC 799 Master's Thesis Research** 1-6 credits; grading method: Reg only  
 0101 Arranged Blg. Arr. Staff  
 0201 Arranged Blg. Arr. Staff
- AREC 899 Doctoral Dissertation Research** 1-6 credits; grading method: Reg only  
 0101 Arranged Blg. Arr. Staff  
 0201 Arranged Blg. Arr. Staff

# ARTE

(ARTS AND HUM)

- ART EDUCATION (ARTS AND HUM)**
- ARTE 100 Fundamentals of Art Education** 3 credits; grading method: Reg/P-F/Aud  
 0201 MTUWThF10-12 Blg. AS, Rm. 3304 Lembach, J  
 Fundamentals 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.
- ARTE 799 Master's Thesis Research** 1-6 credits; grading method: Reg only  
 0101 Arranged Blg. Arr. Lembach, J  
 0201 Arranged Blg. Arr.

# ARTH

(ARTS AND HUM)

- ART HISTORY (ARTS AND HUM)**
- ARTH 100 Introduction to Art** 3 credits; grading method: Reg/P-F/Aud  
 USP Distributive Studies (C) Literature and Arts Approved Course  
 0101 MTUWThF9.30 Blg. AS, Rm. 3211 Denny, D  
 0201 MTUWThF11 Blg. AS, Rm. 3215 Weller, D  
 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  
 USP Distributive Studies (C) Literature and Arts Approved Course  
 0101 MTUWThF11 Blg. AS, Rm. 3219 Denny, D  
 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  
 USP Distributive Studies (C) Literature and Arts Approved Course  
 0201 MTUWThF9.30 Blg. AS, Rm. 3219 Johnson, L  
 A survey of western art as expressed through architecture, sculpture and painting from Renaissance to the present.
- ARTH 262 Arts of Asia** 3 credits; grading method: Reg/P-F/Aud  
 USP Distributive Studies (C) Literature and Arts Approved Course  
 0101 MTUWThF9.30 Blg. AS, Rm. 3215 Shew-Eagle  
 The history of South and East Asian art from prehistory through the mid 19th century.
- ARTH 284 Introduction to African Art** 3 credits; grading method: Reg/P-F/Aud  
 USP Distributive Studies (C) Literature and Arts Approved Course  
 0101 MTUWThF9.30 Blg. AS, Rm. 3219 Patton, S  
 General concepts preparing the student for a better understanding of African cultures through an appreciation of their art.
- ARTH 320 Masterpieces of Painting** 3 credits; grading method: Reg/P-F/Aud  
 0201 MTUWThF11 Blg. AS, Rm. 3215 Harjens, E  
 A study of the contributions of a few major painters, ranging from Giotto to Titian.
- ARTH 340 Masterpieces of Architecture** 3 credits; grading method: Reg/P-F/Aud  
 0101 MTUWThF11 Blg. AS, Rm. 3215 Spira, M  
 A study of great architecture from Stonehenge to the cathedral at Pisa.



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**GUIDELINES FOR COURSE SELECTION**

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

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

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

**USE OF THE WRONG FORM WILL INVALIDATE THE REGISTRATION**

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

- |                 |                                  |  |                  |
|-----------------|----------------------------------|--|------------------|
| <b>ECON 205</b> | <b>Fundamentals of Economics</b> | 3 credits, grading method                                | Reg/P–F/Aud      |
| 0101            | MTuWThF8                         | USP Distributive Studies (D) Soc and Behavioral Sciences | Approved Courses |
| 0102            | MTuWThF11                        | Bldg. G, Rm. 3118  | Staff            |
| 0201            | MTuWThF9.30                      | Bldg. GG, Rm. 3111                                       | Staff            |
|                 |                                  | 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.*

- |                 |   |                            |             |
|-----------------|---|----------------------------|-------------|
| <b>DANC 100</b> | <b>Modern Dance I for Non-Majors</b>                                    | 2 credits, grading method. | Reg/P–F/Aud |
|                 | 0102–12 Jun–24 Jun  |                            |             |
| 0101            | MTuWThF9.30   | Bldg. W, Rm. 2102          | Rosen, M    |
| 0102            | MTuWThF11   | Bldg. EE, Rm. 1115         | Owens, G    |
|                 | Basic principles of modern dance, emphasizing fundamentals of movement. |                            |             |

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

- |                  |  |                            |            |
|------------------|--|----------------------------|------------|
| <b>MUSC 448B</b> | <b>Special Topics in Music Vocal Production and Repertoire</b> | 3 credits, grading method. | Reg/Aud    |
|                  | 0201 – 11 Jul – 28 Jul   |                            |            |
| 0201             | MTuWThF9–12  | Bldg. NN, Rm. 2123         | Fleming, L |

*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.*

# LIVE ON CAMPUS THIS SUMMER!



*Spacious Leonardtown apartments and recreational facilities are a few minutes' walk from Summer Sessions classrooms.*



Early reservation advised –  
See Agreement (page 11).



*Newest apartments for six students opened just last summer! Students now can enjoy fully furnished, carpeted, air conditioned apartments with full kitchens. Barbeques, tennis wall, and volleyball and basketball courts surround the student residences. Study, snack, laundry and arcade facilities—and even skylights and a fireplace—are located in an adjacent community center.*



*Four or six students share each apartment. Newer apartments have two single bedrooms and two bedrooms shared with roommates.*



**Graduate School  
University of Maryland  
College Park, Md. 20742**

**FOR SUMMER 1983  
VISITING GRADUATE STUDENTS AND  
ADVANCED SPECIAL STUDENTS ONLY**

*Application for Admission*

Refer to admission information and instructions on page 11 of the main catalog before completing this form. DO NOT use this form if already in graduate admitted status at UMCP or if you desire to be admitted as a degree or advanced graduate specialist (AGS) certificate student.

PLEASE TYPE OR PRINT PLAINLY IN INK

1 SOCIAL SECURITY NUMBER Ms.             This Will Be Your Student Number

2 Mr. \_\_\_\_\_ Last name First name Middle name Otherlast names

3. PRESENT ADDRESS \_\_\_\_\_ Street \_\_\_\_\_ City \_\_\_\_\_ Zip Code

4 \_\_\_\_\_ State or Country  
Give county if you reside in Maryland

5. Citizenship \_\_\_\_\_

6. Date of Birth \_\_\_\_\_

7. The information in item 7 is requested solely for the purpose of determining compliance with federal civil rights laws, and your response will not affect consideration of your application. By providing this information, you will assist us in assuring that this program is administered in a non-discriminatory manner.

- A. Sex:  Male  Female
- B. Racial Information
- American Indian/Native American,
  - Black, not of Hispanic origin,
  - Asian or Pacific Islander,
  - Hispanic,
  - White, not of Hispanic origin,

8. Enrollment Status  Full-time  Part-time

9. Proposed Graduate Program (Dept.) G R A D

11. Term in Which You Request Entrance:  
Year \_\_\_\_\_  Summer Term #1 (Jun-Jul)  Summer Term #2 (Jul-Aug)

12. If you have ever applied to our Graduate School before, please indicate year \_\_\_\_\_

13. List below the official name of each institution attended beyond high school  
Attach copy of transcript if required for admission as an Advanced Special Student. Visiting graduate students must submit a letter of permission from the applicant's graduate dean indicating that the applicant is in good standing.

Full Name of Institution Bachelor's Degree	State	Dates attended		G.P.A.
	Type of Degree	From	To	
Full Name of Institution Master's Degree	State	Dates attended		G.P.A.
	Type of Degree	From	To	
Other Institution Attended	State	Dates attended		G.P.A.
	Type of Degree	From	To	

NON U S CITIZENS OR PERMANENT IMMIGRANTS

TYPE OF VISA IF YOU HAVE ONE \_\_\_\_\_

Sponsored By \_\_\_\_\_

Permanent Immigrants give Alien Registration Number \_\_\_\_\_ and Date of issue. \_\_\_\_\_

10. Non-degree Program Desired
- Visiting Graduate Student<sup>08</sup>
  - Advanced Special Student<sup>07</sup>
  - A (3.0 GPA)
  - B (M.A. or Ph.D.)
  - C (4 yrs. out)
  - D (test scores)

An application fee of \$20.00 is required. NO ACTION will be taken on this application without the required documentation (i.e., transcript(s), test scores or letter from visiting student's graduate dean).

14. National Standardized Aptitude Test Scores and Data Test Taken.  
 Attach copy of test score if required for admission.  
 Graduate Record (Aptitude): Date \_\_\_\_\_ Verbal Score \_\_\_\_\_ Quant Score \_\_\_\_\_  
 Miller Analogies: Date \_\_\_\_\_ Score \_\_\_\_\_  
 Graduate Management Admissions Test: Date \_\_\_\_\_ Score \_\_\_\_\_

15. Present Home Address  
 Street \_\_\_\_\_ Apt No \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Length of time at this address \_\_\_\_\_ to \_\_\_\_\_  
 Mo. Day Year Mo. Day Year

16. Last previous address  
 Street \_\_\_\_\_ Apt No \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Length of time at this address \_\_\_\_\_ to \_\_\_\_\_  
 Mo. Day Year Mo. Day Year

17. Permanent Address where mail will always reach you \_\_\_\_\_

18. List any work and military experiences (major categories and time periods only) for the past two years.

TITLE OR POSITION	EMPLOYER	STATE	FROM	TO

In-State students MUST complete this section, \_\_\_\_\_ Out-of-State students DO NOT complete this section.

The following questions assist the University in determining your eligibility for in-state status for Admission, Tuition and Charge Differential considerations. The University reserves the right to request additional information if necessary.

- For the most recent 12 months has another person(s) provided half or more than half of your support? YES  NO
- 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?  
 1982 YES  NO   
 1983 YES  NO
- If the answer to 1 and/or 2 is yes, indicate:  
 Name \_\_\_\_\_ Relationship to applicant \_\_\_\_\_

The following questions are to be answered by the person indicated in question 3. If there is no one listed in question 3, then the following questions are to be answered by the applicant.

- Are you or your spouse a full-time member of the U.S. Armed Forces? If you answered yes to question 4 you may omit questions 5-19. Please attach a photocopy of most recent orders. YES  NO

5. Current Residence  
 Street Address \_\_\_\_\_ Apt.# \_\_\_\_\_ City \_\_\_\_\_ County \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Dates you occupied this residence \_\_\_\_\_ to \_\_\_\_\_  
 Mo. Day Year Mo. Day Year

- Do you own \_\_\_\_\_ or rent \_\_\_\_\_. The residence mentioned above on a year-round basis? YES  NO
- Are you a citizen of the United States? YES  NO 
  - If no, type of visa \_\_\_\_\_
  - Alien Registration Number \_\_\_\_\_
  - Date visa issued \_\_\_\_\_
  - Expiration date of visa \_\_\_\_\_
- Are all, or substantially all, of your personal possessions in the state of Maryland? YES  NO
- Are you registered to vote?  
 a. If yes, in what state? \_\_\_\_\_  
 b. Date of registration \_\_\_\_\_
- Do you possess a valid driver's license?  
 a. If yes, in what state was it issued? \_\_\_\_\_  
 b. Date of issue \_\_\_\_\_
- Do you own motor vehicles?  
 a. If yes, in what state are they registered \_\_\_\_\_  
 b. Date(s) of registration \_\_\_\_\_
- Do you have the use of a motor vehicle registered in another person's name?  
 If yes, indicate name and relationship of person \_\_\_\_\_
- Have you paid MD income tax for the most recent year on all earned income including all taxable income earned outside the State? YES  NO
- If you did not pay taxes in Maryland in the past 12 months please state reason \_\_\_\_\_
- List actual years that you have filed Maryland income tax returns within the past 3 years. \_\_\_\_\_
- List actual years you have filed tax returns in another state within the past 3 years. \_\_\_\_\_
- If employed, is Maryland income tax being withheld? YES  NO
- Did you give a Maryland home address on most recent federal and state income tax forms. YES  NO
- Do you receive any type of financial aid (loan, scholarships, grants) from a state other than Maryland. YES  NO   
 If yes, from which state \_\_\_\_\_

Do you wish to apply for the Golden Identification Card Program?  Yes  No  
 Restricted to persons residing in the State of Maryland who are 60 years of age or older, who are retired and not gainfully employed over 20 hours weekly.

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.

\_\_\_\_\_  
 Date Signature of Applicant

**Do not use this application if you were academically dismissed or withdrew during your last attendance at the University of Maryland. For reinstatement information contact the Office of Reenrollment, Room 1117, North Administration Building.**

*Please read the instructions below and the admissions information in this catalog.*

**ADMISSION STATUS:**

**SUMMER ONLY**  Undergraduate students who wish to attend the College Park Campus for Summer Sessions only. A non-refundable application fee of \$20.00 is required. This fee should be included with the check or money order submitted in payment of the Summer School bill if the student registers via mail or the walk-in options. Students who have enrolled any previous summer semester need not pay the application fee.

**READMIT**  UMCP undergraduate students who attended any Fall or Spring Semester prior to Spring 1983 at the College Park Campus and who were in good standing or on academic probation at the conclusion of that semester. No application fee is required.

**NOTE:** *New students who have applied for Fall 1983, or have been admitted for Fall 1983, or wish to continue for the Fall 1983 semester, do not complete this application. Please refer to the admissions information in this catalog.*

Do Not Write in the Shaded Boxes

Print your legal name in the boxes below

\_\_\_\_\_

Last Name

\_\_\_\_\_

First Name

\_\_\_\_\_

Middle

\_\_\_\_\_

Suffix  
(Example, Jr., Sr., III)

\_\_\_\_\_

Print any other last name under which you may have been enrolled

Enter your Social Security Number Below

\_\_\_\_-\_\_\_\_-\_\_\_\_

Check the space corresponding to your sex and write the number in the box to the right

1 Male

2 Female

Month

Day

Year

\_\_\_\_

\_\_\_\_

19\_\_\_\_

Write your date of birth in the boxes to the right

Are you a United States Citizen? Yes  No  If not, print the country of which you are a citizen \_\_\_\_\_

Please complete the following (if applicable) Print type of visa \_\_\_\_\_ Alien Registration No. \_\_\_\_\_

Date visa issued \_\_\_\_\_

Are you currently a Maryland resident? Yes  County \_\_\_\_\_

No  (If not, print the state of which you are a resident) \_\_\_\_\_

Your present home address

\_\_\_\_\_

Number

Street

\_\_\_\_\_

City

Length of time lived at this address

\_\_\_\_

\_\_\_\_

Years

Months

\_\_\_\_

\_\_\_\_

State

Zip Code (Required)

CITZ

GEOGCD

Father's (or

Spouse's) Name

Last

First

Middle

Living?

Father's Address

(or Spouse's)

Father's (or spouse's)

Occupation \_\_\_\_\_

Mother's Name

Last

First

Middle

Living?

Mother's Address

(if different from father's)

Mother's

Occupation \_\_\_\_\_

The following information is requested solely for the purpose of determining compliance with Federal civil rights laws. Your response will not affect consideration of your application. By providing this information, you will assist us in assuring that this program is administered in a non-discriminatory manner. Please check the appropriate box below.

White, not of Hispanic Origin

Black, not of Hispanic Origin

Hispanic

Asian or Pacific Islander

American Indian or Alaskan Native

HSCODE

\_\_\_\_

List educational institutions attended (secondary school and current college or university).

(Full name and location of high school)

(No. of years and dates of attendance)

(Date of graduation)

(Full name and location of college or university)

(No. of years and dates of attendance)

(Date of graduation)

(Degree)

LPCIDE

Are you currently attending the last institution mentioned?

Yes  No

Are you presently in a dismissed status for either academic or disciplinary reasons from the last academic institution attended or from any University of Maryland campus? If so, do not complete this application. Contact the Office of Reenrollment, Rm. 1117, North Administration Bldg.

Yes  No

\_\_\_\_

If you have attended the University of Maryland, when were you first enrolled (any branch) \_\_\_\_\_ last enrolled \_\_\_\_\_  
 Semester/Year Semester/Year

Where were you last enrolled? \_\_\_\_\_  
 (College Park Campus, Baltimore County, University College, Atlantic, Baltimore, College Park, Overseas)

Did you graduate from the University of Maryland? \_\_\_\_\_ Are you planning to work toward a bachelor's degree at the University? Yes \_\_\_\_\_ No \_\_\_\_\_  
 Degree

UGTERM				DIV		COL		COUST			
0	6	8	3	9	9	9	9	9	9	9	9

The following questions assist the University in determining your eligibility for in-state status for Admission, Tuition and Charge Differential considerations. The University reserves the right to request additional information if necessary.

- For the most recent 12 months has another person(s) provided half or more than half of your support? YES  NO
- 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? YES  NO   
 1982 YES  NO   
 1983 YES  NO
- If the answer to 1 and/or 2 is yes, indicate:  
 Name \_\_\_\_\_ Relationship to applicant \_\_\_\_\_

The following questions are to be answered by the person indicated in question 3. If there is no one listed in question 3, then the following questions are to be answered by the applicant.

- Are you or your spouse a full-time employee of the University? YES  NO
- Current Residence \_\_\_\_\_  
 Street Address Apt # City County State Zip  
 Dates you occupied this residence \_\_\_\_\_ to \_\_\_\_\_  
 Mo. Day Year Mo. Day Year
- Do you own \_\_\_\_\_ or rent \_\_\_\_\_. The residence mentioned above on a year-round basis? YES  NO
- Are you a citizen of the United States? YES  NO
- a. If no, type of visa \_\_\_\_\_ b. Alien Registration Number \_\_\_\_\_  
 c. Date visa issued \_\_\_\_\_ d. Expiration date of visa \_\_\_\_\_
- Are all, or substantially all, of your personal possessions in the state of Maryland? YES  NO
- Are you registered to vote?  
 a. If yes, in what state? \_\_\_\_\_ YES  NO   
 b. Date of registration \_\_\_\_\_
- Do you possess a valid driver's license?  
 a. If yes, in what state was it issued? \_\_\_\_\_ YES  NO   
 b. Date of issue \_\_\_\_\_
- Do you own motor vehicles?  
 a. If yes, in what state are they registered \_\_\_\_\_ YES  NO   
 b. Date(s) of registration \_\_\_\_\_
- Do you have the use of a motor vehicle registered in another person's name? YES  NO   
 If yes, indicate name and relationship of person \_\_\_\_\_
- Have you paid MD income tax for the most recent year on all earned income including all taxable income earned outside the State? YES  NO
- If you did not pay taxes in Maryland in the past 12 months please state reason \_\_\_\_\_
- List actual years that you have filed Maryland income tax returns within the past 3 years. \_\_\_\_\_
- List actual years you have filed tax returns in another state within the past 3 years. \_\_\_\_\_
- If employed, is Maryland income tax being withheld? YES  NO
- Did you give a Maryland home address on most recent federal and state income tax forms. YES  NO
- Do you receive any type of financial aid (loan, scholarships, grants) from a state other than Maryland. YES  NO   
 If yes, from which state \_\_\_\_\_
- 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 and rank in the top half of the graduating class. 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.

Signature of Applicant \_\_\_\_\_ Date \_\_\_\_\_

DO NOT WRITE BELOW THIS LINE

UG TYPE	ENSTAT	UGMATE	PC	AF	UGAppdate	R	RES	DEC	CODE	EVAL	DATE LT SENT



# Schedule Request and Estimated Bill Form

## Summer Session I - Only - 1983

This form should be used for the *First Summer Session* only.  
 Mail-in registration requests must be postmarked by **May 17, 1983**. COMPLETE THE ENTIRE FORM EXCEPT FOR THE SPACE MARKED  
 "FOR OFFICE USE ONLY." The top part of this form is a course request only. *Students must have the lower part (Course Verification)*  
 validated by the Registrations Office for a registration to be official. Only the validated lower part may be used as proof.

STUDENT NAME (Print Last Name First)

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SOCIAL SECURITY NO.

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Were you registered at the University of Maryland College Park day campus:  
 SPRING 1983 YES \_\_\_ NO \_\_\_  
 IF NO: Please read Admission Information in this catalog

DAY PHONE NO. TODAY'S DATE

(9-5)							

STUDENT'S SIGNATURE

*COURSE REQUEST:* Complete this part with information found in the Schedule of Classes Section of this catalog. See page 1 of this booklet for information on determining the session of a course.

### EXAMPLE

<p style="text-align: center;"><b>COURSE INFORMATION</b></p> <table style="width: 100%; text-align: center;"> <tr> <td style="border: 1px solid black; padding: 2px;">E</td><td style="border: 1px solid black; padding: 2px;">D</td><td style="border: 1px solid black; padding: 2px;">C</td><td style="border: 1px solid black; padding: 2px;">P</td> <td style="border: 1px solid black; padding: 2px;">4</td><td style="border: 1px solid black; padding: 2px;">0</td><td style="border: 1px solid black; padding: 2px;">1</td> <td style="border: 1px solid black; padding: 2px;"></td> <td style="border: 1px solid black; padding: 2px;">0</td><td style="border: 1px solid black; padding: 2px;">1</td><td style="border: 1px solid black; padding: 2px;">0</td><td style="border: 1px solid black; padding: 2px;">1</td> <td style="border: 1px solid black; padding: 2px;">0</td><td style="border: 1px solid black; padding: 2px;">3</td> </tr> <tr> <td colspan="4">COURSE PREFIX</td> <td colspan="3">COURSE NO</td> <td>SUFFIX</td> <td colspan="4">SECTION NO</td> <td colspan="2">CREDIT</td> </tr> </table>	E	D	C	P	4	0	1		0	1	0	1	0	3	COURSE PREFIX				COURSE NO			SUFFIX	SECTION NO				CREDIT		<p style="text-align: center;"><b>GRADING INFORMATION</b> (CIRCLE ONE NUMBER ONLY)</p> <table style="width: 100%; text-align: center;"> <tr> <td>1</td><td style="border: 2px solid black;">2</td><td>3</td><td>4</td> </tr> <tr> <td>REGULAR</td><td>PASS/FAIL</td><td>AUDIT</td><td>SATISFACTORY/FAIL</td> </tr> </table>	1	2	3	4	REGULAR	PASS/FAIL	AUDIT	SATISFACTORY/FAIL
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**COURSE VERIFICATION:** In the space below list the course(s) you have requested above. The Registrations Office will record the action taken for each course in the space on the right marked "For Office Use Only," and will return this part of the form to you. Any course without a Registration Stamp was not received for the reason indicated to the right of the course. *The lower part of this form must be validated by the Registrations Office after payment is made. It is your proof of registration.*

SOCIAL SECURITY NO. 

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0	1												
COURSE PREFIX				COURSE NO			SUFFIX	SECTION NO				CREDIT	

FOR OFFICE USE ONLY.

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COURSE PREFIX				COURSE NO			SUFFIX	SECTION NO				CREDIT	

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COURSE PREFIX				COURSE NO			SUFFIX	SECTION NO				CREDIT	

This must be completed by all students. For mail-in registrants  
 THIS WILL BE USED AS A MAILING LABEL

NAME
ADDRESS
CITY - STATE - ZIP

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

Summer Session I ID cards will be mailed to mail-in registrants only

S  
S  
I

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	\$64	\$128	\$192	\$256	\$320	\$384	\$448	\$512	\$576	\$640	\$		
2. Non-Resident Undergraduate Fee (flat fee, not per cr. hr.)											\$15	\$	
Graduate Students	CREDIT HOURS												
	1	2	3	4	5	6	7	8					
3. Resident Tuition	\$ 77	\$154	\$231	\$308	\$385	\$462	\$539	\$616			\$		
4. Non-Resident Tuition	\$136	\$272	\$408	\$544	\$680	\$816	\$952	\$1088			\$		
5. Mandatory Fees For All Students				Registration Fee							\$ 5	\$	5.00
				Recreation Fee							\$ 5	\$	5.00
				Health Fee							\$ 5	\$	5.00
				Auxiliary Facilities Fee							\$ 6	\$	6.00
6. On-Campus Housing (attach Residence Halls Agreement Form)				Six Weeks							\$316.31	\$	
				_____ Wks (at \$52.72/wk)								\$	
8. Vehicle Registration Fee										\$ 4	\$		
Each Additional Vehicle										\$ 3	\$		
9. Application Fee for New Students (non-refundable)										\$20	\$		
<b>TOTAL BILL</b>										<b>\$</b>	<b>\$</b>		

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:**

- 1 Add the number of credit hours on the Schedule Request Form. Only courses listed on that page should be included in this total.
- 2 Locate your status (undergraduate, graduate resident, graduate non-resident) on lines 1-4 above. (Please note: A Graduate Student is one who has been admitted to the Graduate School either at the University of Maryland or another institution. Students who have graduated from this or another institution are not considered graduate students until they have been admitted to the Graduate School. Any student not admitted to the Graduate School is classified as an Undergraduate. If you have any questions on this or your residence status, please call the Undergraduate Admissions Office, 454-4137 or the Graduate Records Office, 454-5428. The University reserves the right to make the final and official determination of the student's residence status.)
- 3 On the line next to your status circle the number of credit hours you have requested above. The number below the hours circled is your cost of tuition.
- 4 Enter the cost in the amount column on the right. If you are an Undergraduate Non-resident, enter the \$15.00 Non-resident Fee (line 2) in the amount column.
- 5 Line 5 lists mandatory fees charged to every student each summer session. The fees are therefore entered in the amount column for you.
- 6 If you are requesting On-Campus Housing, enter the appropriate amount for 6 weeks on line 6 in the amount column. If your course schedule requires less than 6 weeks residence, enter the number of weeks, calculate the amount and enter it in the amount column of line 7. If mailing your registration, attach the Residence Halls Agreement tear-off portion to the Schedule Request and Estimated Bill Form.
- 7 If you wish to register a car for the summer, 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.
- 8 If this form is accompanied by an Application, you must also pay an Application Fee. If this pertains to you, enter the appropriate amount on line 9.  
Note: only one Application for Admission and one Application Fee is required for both summer sessions.
- 9 To determine the amount you owe the University add all charges entered in the amount column. Enter this total on line 10. Make a check for the amount owed payable to the University of Maryland. Write Student Social Security Number on face of check. You will be notified of any bill adjustments that are necessary. Payment must accompany the Estimated Bill Form.
- 10 Students entitled to credit on their bills (contract, scholarships, etc.) must attach a purchase order from the agency paying their fees and/or certifying documentation for the scholarship credit.
- 11 MONIES OWED THE UNIVERSITY WILL BE DEDUCTED FROM CHECKS RECEIVED PRIOR TO APPLICATION OF THE REMAINDER TO SUMMER SCHOOL TUITION. CHARGES INCURRED DURING THE SUMMER ARE PAYABLE IMMEDIATELY.
- 12 Enclose the Schedule Request and Estimated Bill Form (and if applicable, application and housing request) along with your check in the return envelope provided herein, or use the following address:

Office of the Bursar  
Summer Mail-In Registration  
Room 1108 South Administration Bldg.  
University of Maryland  
College Park, Maryland 20742

# Schedule Request and Estimated Bill Form

Summer Session II  
- Only - 1983

This form should be used for the *Second* Summer Session only. The *preceding* form must be used for the *First* Summer Session. Mail-in registration requests must be postmarked by **June 17, 1983**. COMPLETE THE ENTIRE FORM EXCEPT FOR THE SPACE MARKED "FOR OFFICE USE ONLY." The top part of this form is a course request only. Students must have the lower part (Course Verification) validated by the Registrations Office for a registration to be official. Only the validated lower part may be used as proof.

STUDENT NAME (Print Last Name First)

\_\_\_\_\_

SOCIAL SECURITY NO

\_\_\_\_\_-\_\_\_\_\_-\_\_\_\_

DAY PHONE NO. TODAY'S DATE

\_\_\_\_\_-\_\_\_\_\_ (9-5) \_\_\_\_\_

Were you registered at the University of Maryland College Park day campus?  
SPRING 1983 YES\_\_\_ NO\_\_\_  
IF NO: Please read Admission Information in this catalog.

STUDENT'S SIGNATURE \_\_\_\_\_

**COURSE REQUEST:** Complete this part with information found in the Schedule of Classes Section of this catalog. See page 1 of this booklet for information on determining the session of a course.

### EXAMPLE

<p><b>COURSE INFORMATION</b></p> <p>E D C P    4 0 1    0 2 0 1    0 3</p> <p>COURSE PREFIX    COURSE NO    SUFFIX    SECTION NO    CREDIT</p>					<p><b>GRADING INFORMATION</b> (CIRCLE ONE NUMBER ONLY)</p> <p>1    2    3    4</p> <p>REGULAR    PASS FAIL    AUDIT    SATISFACTORY FAIL</p>			
<p><b>COURSE 1</b></p> <p>COURSE INFORMATION</p> <p>_____-_____-____    0 2 _____    _____</p> <p>COURSE PREFIX    COURSE NO    SUFFIX    SECTION NO    CREDIT</p>					<p><b>GRADING INFORMATION</b> (CIRCLE ONE NUMBER ONLY)</p> <p>1    2    3    4</p> <p>REGULAR    PASS FAIL    AUDIT    SATISFACTORY FAIL</p>			
<p><b>COURSE 2</b></p> <p>COURSE INFORMATION</p> <p>_____-_____-____    0 2 _____    _____</p> <p>COURSE PREFIX    COURSE NO    SUFFIX    SECTION NO    CREDIT</p>					<p><b>GRADING INFORMATION</b> (CIRCLE ONE NUMBER ONLY)</p> <p>1    2    3    4</p> <p>REGULAR    PASS FAIL    AUDIT    SATISFACTORY FAIL</p>			
<p><b>COURSE 3</b></p> <p>COURSE INFORMATION</p> <p>_____-_____-____    0 2 _____    _____</p> <p>COURSE PREFIX    COURSE NO    SUFFIX    SECTION NO    CREDIT</p>					<p><b>GRADING INFORMATION</b> (CIRCLE ONE NUMBER ONLY)</p> <p>1    2    3    4</p> <p>REGULAR    PASS FAIL    AUDIT    SATISFACTORY FAIL</p>			

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

SOCIAL SECURITY NO. \_\_\_\_\_

\_\_\_\_\_-\_\_\_\_\_-\_\_\_\_    0 2 \_\_\_\_\_    \_\_\_\_\_

COURSE PREFIX    COURSE NO    SUFFIX    SECTION NO    CREDIT

FOR OFFICE USE ONLY

\_\_\_\_\_-\_\_\_\_\_-\_\_\_\_    0 2 \_\_\_\_\_    \_\_\_\_\_

COURSE PREFIX    COURSE NO    SUFFIX    SECTION NO    CREDIT

\_\_\_\_\_-\_\_\_\_\_-\_\_\_\_    0 2 \_\_\_\_\_    \_\_\_\_\_

COURSE PREFIX    COURSE NO    SUFFIX    SECTION NO    CREDIT

This must be completed by all students. For mail-in registrants  
THIS WILL BE USED AS A MAILING LABEL

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY STATE ZIP \_\_\_\_\_

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

S  
S  
II

Summer Session II ID cards will be mailed to mail-in registrants 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	\$64	\$128	\$192	\$256	\$320	\$384	\$448	\$512	\$576	\$640	\$	
2.	Non-Resident Undergraduate Fee (flat fee, not per cr. hr.)										\$15	\$	
Graduate Students	CREDIT HOURS												
	1	2	3	4	5	6	7	8					
3.	Resident Tuition	\$ 77	\$154	\$231	\$308	\$385	\$462	\$539	\$616			\$	
4.	Non-Resident Tuition	\$136	\$272	\$408	\$544	\$680	\$816	\$952	\$1088			\$	
5.	Mandatory Fees For All Students				Registration Fee				\$ 5	\$	5.00		
					Recreation Fee				\$ 5	\$	5.00		
					Health Fee				\$ 5	\$	5.00		
					Auxiliary Facilities Fee				\$ 6	\$	6.00		
6.	On-Campus Housing (attach Residence Halls Agreement Form)				Six Weeks				\$316.31	\$			
7.					_____ Wks @ \$52.72/wk				\$				
8.	Vehicle Registration Fee (Pay only if you did not in Session I)										\$ 4	\$	
					Each Additional Vehicle				\$ 3	\$			
9.	Application Fee for New Students (non-refundable)										\$20	\$	
10.	<b>TOTAL BILL</b>										<b>\$</b>		

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 \$15.00 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 less than 6 weeks residence, enter the number of weeks, calculate the amount and enter it in the amount column of line 7. If mailing your registration, 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: 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

# SUMMER RESIDENCE HALLS AGREEMENT

Male  
 Female

Day Phone \_\_\_\_\_

Night Phone \_\_\_\_\_

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Social Security Number

Last Name \_\_\_\_\_ First \_\_\_\_\_ MI \_\_\_\_\_

Home Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

**DATES OF OCCUPANCY:**

- \_\_\_Session I only, 5/30-7/8
- \_\_\_Sessions I & II, 5/30-8/19
- \_\_\_Session II only, 7/11-8/19
- \_\_\_Other: \_\_\_\_\_ to \_\_\_\_\_ (\_\_\_ wks) at \$52.72 per wk) Must coincide with course schedule and fall within 5/30-8/19

**HALL TYPE PREFERENCE:**

(See "Assignment" section below form)  
 \_\_\_Apartment \_\_\_Traditional

**SPRING CAMPUS RESIDENTS ONLY:**

- Bldg Room # \_\_\_\_\_
- \_\_\_yes, \$52.72 additional payment enclosed for occupancy 5/22-5/29
- \_\_\_Do not desire campus housing 5/22-5/29

**PAYMENT REQUIREMENTS:**

- \_\_\_Session I only = \$316.31. Payment must accompany Session I Schedule Request and Estimated Bill Form
- \_\_\_Sessions I & II = \$632.62
- \_\_\_Session I payment \$316.31 must accompany Session I Schedule Request and Estimated Bill Form, balance \$316.31 due with Session II Schedule Request by July 11
- \_\_\_Session II only = \$316.31. Payment must accompany Session II Schedule Request and Estimated Bill Form
- \_\_\_Other: Compute amount (# wks x \$52.72) and submit payment with corresponding Schedule Request and Estimated Bill Form

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

STUDENT SIGNATURE \_\_\_\_\_ AGE \_\_\_\_\_ DATE \_\_\_\_\_

PARENT SIGNATURE (if student under 18 yrs) \_\_\_\_\_

FOR OFFICE USE

DT RECD: \_\_\_\_\_  
 ASSGN BY/TO: \_\_\_\_\_  
 DTE CONF: \_\_\_\_\_  
 EXTRA WK: \_\_\_\_\_

## 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 \$316.31 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.

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) UMCP 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 UMCP 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 Sessions I and II. In general, summer occupancy is scheduled from May 30, 1983 through August 19, 1983 for Sessions I and II registrants, from May 30, 1983 to July 8, 1983 for Session I only registrants and from July 10, 1983 to August 19, 1983 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 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.

Any individual who requests summer accommodations and has the Summer Residence Halls Agreement confirmed by Resident Life will be assigned to a hall and room designated by Resident Life. Within the limitations of available space and resources, Resident Life makes reasonable efforts to assign each individual according to preferences stated on the Agreement.

**Apartment:**

Furnished apartment with kitchen, carpeting, shared living/dining area and combination of single and double bedrooms in each unit shared by four or six persons. Air-conditioned, subject to service availability.

**Traditional "dormitory-style" residence halls:** Mostly double rooms. Men and women live on separate floors or wings of the building. Restroom and showers, telephones, corridor, and stairwell are shared with other floor residents. Not air-conditioned.

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 3 will be submitted to a lottery drawing. The lottery will determine building and room assignments.

Agreements received after May 3 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, which advises whether or not the preferred type of facilities can be provided, is mailed to the applicant's permanent address not sooner than about four weeks before the first occupancy date or within 10 days when the Agreement has been submitted less than four 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 schedules. 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 resident shall insure 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.

**TO RESERVE SUMMER HOUSING**

1. Read the attached Summer Residence Halls Agreement
2. Complete the Summer Residence Halls Agreement form on the reverse side and sign
3. Detach this form from the written Agreement at the dashed line and include with your registration packet when registering, adding the appropriate housing costs to the Estimated Bill Form **Payment must be included.**
4. Retain the agreement below for your records and information As stipulated, you are obligated to accept summer housing upon Resident Life's receipt of your signed Summer Residence Halls Agreement Form

**CHANGES OF ASSIGNMENT** An individual may move from an assigned space only with Resident Life's approval. Requests may be made to the Resident Director. No request which is based upon considerations of race, religion or national origin can be honored.

To meet its responsibilities to student health, safety, and well being and maintenance of property and facilities, Resident Life reserves the right to move a resident from one space to another, or, at Resident Life's discretion, to another occupied hall for which the individual is eligible.

**GUESTS** A guest may stay in the assigned space only with the concurrence of the roommate(s) and for no more than three consecutive nights. Resident Life may invoke limitations of the guest privileges. Guest(s) must abide by established University/Resident Life regulations.

**UNIVERSITY PREROGATIVE** The University reserves the right to change fees, to change its academic calendar, and to alter existing procedures. Such alteration would be pursued in accordance with appropriate University processes.

**ROOM ENTRY, INSPECTION, AND PROPERTY REMOVAL** The University reserves the right to enter rooms for purposes of (a) improvements, (b) maintenance, (c) recovery of University/State owned property which is not authorized for use in the assigned space, (d) fire and safety inspection, and (e) actions necessary to insure the safety, health and general welfare of the resident or others and/or the protection of University or student property.

A resident's request for maintenance and repair constitutes consent for room entry. Attempts will be made to provide prior notification whenever feasible.

The University reserves the right to remove and dispose of any personal property remaining in a room more than 24 hours following termination of the Agreement, the resident's separation by/from the University, and/or the date the resident officially checks out of the room. A charge for costs incurred for such removal may be assessed to the resident.

The University respects the resident's right to privacy within the assigned space and will give reasonable consideration to privacy when entry is required.

**REVIEW OF HOUSING STATUS** When determined that a resident has violated a term of this Agreement or any other Resident Life or University rule, regulation or procedure, the resident is subject to disciplinary sanctions, administrative action and/or financial responsibility for any damage, theft, or loss.

When a violation is reported, and the established administrative review process to terminate this Agreement is initiated, the resident will be provided with the following procedural safeguards: (a) notice of the violations charged, (b) opportunity to respond to the charge, and (c) opportunity to appeal the decision to terminate the Agreement. Administrative action by Resident Life under the Agreement may range from a verbal or written warning to change of assignment to termination of residence hall services.

When disciplinary action is taken, procedures defined within the *Code of Student Conduct* apply.

The Director of Resident Life or authorized representative may temporarily suspend a resident from residence halls pending initiation and/or implementation of administrative and/or disciplinary action when in the judgement of the Director the individual may be a threat to self and/or to the safety of other people or property.

**LIABILITY FOR DAMAGES** The resident will be assessed charges for damage, loss, or special service due to misuse or abuse of the assigned space and the State property contained therein. When the assigned space is shared, and where the responsible resident(s) fails to assume responsibility, an equal portion of the charges will be assessed to each occupant.

Individual(s) identified as being responsible for damage, theft, loss, or special service whether intentional or accidental in common areas of the residential facility will be assessed the cost of repair, replacement or restoration.

When individual responsibility cannot be determined, and where deemed necessary by Resident Life, residents will be held collectively responsible for damage, theft, loss, special service within for the common areas or to University property within the residential facility. Residents will be notified in advance of the initiation of a collective billing process and of the common areas for which they share responsibility.

**TERMINATION OF AGREEMENT** Resident Life may automatically terminate this Agreement at any time and require the individual to forfeit the assigned space.

- a. When determined that information furnished by the individual or other person for the purpose of obtaining residence hall services is substantially incomplete, misleading, or false in whole or in part.
- b. When an individual, for whatever reason, is not eligible, or has lost eligibility, to reside in the building. In such cases, the individual may be required to check-out of the residence hall on the date of notification.

c. When a convened "Review of Housing Status" (above) determines that the individual has committed a breach of residence hall rules and regulations. In such cases, continued access to any University residence hall may be denied.

d. When facilities are found to be inadequate in number or physical condition.

e. When an individual has failed to properly execute or complete all terms and conditions of a Residence Halls Agreement 1982-1983, or had such Agreement terminated for disciplinary-behavioral reasons.

**CONFIRMATION OF AGREEMENT** The individual and parent or guardian if student is under 18 must sign and submit the *Summer Residence Halls Agreement* form without alteration. This Agreement shall not be accepted by the University nor does the student have permission to reside in a University residence hall until the applicant has been provided with a confirmation of residence hall services and/or other notification that an assignment has been made.

**RELEASE PRIOR TO OCCUPANCY PERIOD** Voluntary release from this Agreement will be approved by Resident Life, prior to the date services may be claimed and without the individual incurring any financial obligation, when written notice signed by the individual is received by Resident Life on or before May 11, 1983 for Session I or June 21, 1983 for Session II. If notice is received after these dates, but before the first day of classes of the term in question, the individual, regardless of University status at the date of release from the Agreement, will be charged as follows:

Notice for Session I by	Amount
May 11	\$0.00
May 12-18	\$52.72
May 19-25	\$105.44
May 26 - June 1	\$158.16
No-show/No notice to Resident Life by June 1	\$158.16
Notice for Session II by	Amount
June 21	\$0.00
June 22-28	\$52.72
June 29 - July 5	\$105.44
July 6-12	\$158.16
No-show/No notice to Resident Life by July 12	\$158.16

**RELEASE DURING OCCUPANCY PERIOD** Resident Life will release an individual from this Agreement after services are claimed, without the student incurring any financial obligation beyond charges associated with occupancy to date, when Resident Life has received proof from the student of withdrawal from Summer Sessions or notice signed by the student that, regardless of reason, the assigned space will be vacated three weeks or more after this notice to Resident Life. If proof of withdrawal is not received, or if notice that the resident will check out is received less than three weeks before the actual departure, the following release charges will be incurred:

CANCELLATION NOTICE REC'D BY RESIDENT LIFE	AMOUNT OF RELEASE CHARGE
More than three weeks before actual departure	\$0.00
Two to three weeks before actual departure	\$52.72
One to two weeks before actual departure	\$105.44
Less than one week before actual departure	\$158.16

**CANCELLATION PROCEDURE** Requests for release from this Agreement must be made in writing and directed specifically to Resident Life. **NOTICE TO ANY OTHER UNIVERSITY OFFICE WILL NOT INSURE RELEASE.**

**REFUNDS AND CREDITS** Refunds and credits for housing fees will not be approved until release from this Agreement has been secured and checkout has been completed. Charges and credits are based upon the weekly cost of housing services. Appropriate release charges are assessed in addition to charges for housing services from the week during which services must be claimed through the week during which checkout is completed. Failure to checkout by the date specified by the resident when requesting release from this Agreement will decrease the amount of credit, if any. No credit is approved if checkout occurs during the last three weeks of each session, or if the occupancy period is three weeks or less. Refund, if due, must be requested in writing from the Bursar.

### ARTH cont.

ARTH 386	Field Work 1-3 credits; grading method: Reg only	Contact Department and Provost	
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ARTH 387	Field Work Analysis 1-3 credits; grading method: Reg only	Contact Department and Provost	
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ARTH 424	High Renaissance Art in Italy 3 credits; grading method: Reg P-F/Aud	Blgd. AS, Rm. 3211	Staff
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ARTH 440	19th Century European Art 3 credits; grading method: Reg P-F/Aud	Blgd. AS, Rm. 3211	Heller, N
0201	Arranged	Blgd. Arr.	Staff
ARTH 450	20th Century Art 3 credits; grading method: Reg P-F/Aud	Blgd. AS, Rm. 3211	Staff
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ARTH 451	20th Century Art 3 credits; grading method: Reg P-F/Aud	Blgd. AS, Rm. 3219	Heller, N
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ARTH 498	Directed Studies in Art History I 2-3 credits; grading method: Reg P-F/Aud	Blgd. Arr.	Staff
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ARTH 499	Directed Studies in Art History II 2-3 credits; grading method: Reg P-F/Aud	Blgd. Arr.	Staff
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ARTH 698	Directed Graduate Studies in Art History 3 credits; grading method: Reg/Aud	Blgd. Arr.	Staff
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ARTH 798	Directed Graduate Studies in Art History 3 credits; grading method: Reg/Aud	Blgd. Arr.	Staff
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ARTH 799	Master's Thesis Research 1-6 credits; grading method: Reg only	Blgd. Arr.	Staff
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ARTH 899	Doctoral Dissertation Research 1-8 credits; grading method: Reg only	Blgd. Arr.	Staff
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff

## ARTS

(ARTS AND HUM)

### ART STUDIO

ARTS 100	Elements of Design 3 credits; grading method: Reg P-F/Aud	Blgd. AS, Rm. 1311	Spaulding, J
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ARTS 110	Elements of Drawing 3 credits; grading method: Reg P-F/Aud	Blgd. AS, Rm. 2317	Niese, H
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ARTS 200	Intermediate Design 3 credits; grading method: Reg P-F/Aud	Blgd. AS, Rm. 1311	Spaulding, J
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ARTS 210	Intermediate Drawing 3 credits; grading method: Reg P-F/Aud	Blgd. AS, Rm. 2317	Niese, H
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ARTS 320	Elements of Painting 3 credits; grading method: Reg P-F/Aud	Blgd. AS, Rm. 3313	Klank, R
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ARTS 330	Elements of Sculpture: Modeling/Casting 3 credits; grading method: Reg P-F/Aud	Blgd. AS, Rm. 1314	Ferraio, J
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ARTS 334	Elements of Sculpture: Construction 3 credits; grading method: Reg P-F/Aud	Blgd. AS, Rm. 1311	Spaulding, J
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ARTS 335	Elements of Sculpture: Carving 3 credits; grading method: Reg P-F/Aud	Blgd. AS, Rm. 1314	Ferraio, J
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ARTS 340	Elements of Printmaking: Intaglio 3 credits; grading method: Reg P-F/Aud	Blgd. AS, Rm. 1317	Pogue, S
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ARTS 344	Elements of Printmaking: Lithography 3 credits; grading method: Reg P-F/Aud	Blgd. AS, Rm. 1317	Morrison, K
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ARTS 386	Field Work 1-3 credits; grading method: Reg P-F/Aud	Contact Department and Provost	
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ARTH 387	Field Work Analysis 1-3 credits; grading method: Reg P-F/Aud	Contact Department and Provost	
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ARTH 418	Drawing 3 credits; grading method: Reg P-F/Aud	Blgd. AS, Rm. 2317	Niese, H
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ARTH 428	Painting 3 credits; grading method: Reg P-F/Aud	Blgd. AS, Rm. 3313	Klank, R
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff

### ARTS cont.

ARTS 438	Sculpture 3 credits; grading method: Reg P-F/Aud	Blgd. AS, Rm. 1311	Spaulding, J
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ARTH 448	Printmaking 3 credits; grading method: Reg P-F/Aud	Blgd. AS, Rm. 1317	Pogue, S
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ARTH 498	Directed Studies in Studio Art 2-3 credits; grading method: Reg P-F/Aud	Blgd. Arr.	Staff
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ARTH 698	Directed Graduate Studies in Studio Art 3 credits; grading method: Reg/Aud	Blgd. Arr.	Staff
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ARTH 798	Directed Graduate Studies in Studio Art 3 credits; grading method: Reg/Aud	Blgd. Arr.	Staff
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ARTH 799	Master's Thesis Research 1-6 credits; grading method: Reg only	Blgd. Arr.	Staff
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff

## ASTR

(MATH AND PHY SCI AND ENG)

ASTR 100	Introduction to Astronomy 3 credits; grading method: Reg P-F/Aud	Blgd. CSS, Rm. 1113	Staff
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ASTR 110	Astronomy Laboratory 1 credit; grading method: Reg P-F/Aud	Blgd. CSS, Rm. 1111	Staff
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ASTR 288	Special Projects in Astronomy 1-3 credits; grading method: Reg P-F/Aud	Blgd. Arr.	Staff
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ASTR 300	Stars and Stellar Systems 3 credits; grading method: Reg P-F/Aud	Blgd. CSS, Rm. 1113	Staff
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ASTR 498	Special Problems in Astronomy 1-6 credits; grading method: Reg P-F/Aud	Blgd. Arr.	Staff
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ASTR 699	Special Problems in Advanced Astronomy 1-6 credits; grading method: Reg/Aud	Blgd. Arr.	Staff
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ARTH 799	Master's Thesis Research 1-6 credits; grading method: Reg only	Blgd. Arr.	Staff
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
ARTH 899	Doctoral Dissertation Research 1-8 credits; grading method: Reg only	Blgd. Arr.	Staff
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff

## BCHM

(AG AND LIFE SCI)

BCHM 261	Elements of Biochemistry 3 credits; grading method: Reg P-F/Aud	Blgd. C, Rm. 1402	Staff
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
BCHM 461	Biochemistry I 3 credits; grading method: Reg P-F/Aud	Blgd. C, Rm. 1407	Staff
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
BCHM 462	Biochemistry II 3 credits; grading method: Reg P-F/Aud	Blgd. C, Rm. 1407	Staff
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff
BCHM 699	Special Problems in Biochemistry 1-6 credits; grading method: Reg/Aud	Blgd. Arr.	Staff
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff





**BMGT cont.**

- BMGT 501 Business Functions** 3 credits; grading method: Reg only  
 0101 MW7-10PM Bldg. Q, Rm. 2140 Staff  
 Intensive review of the management functions in the business enterprise, the development of management thought, and the nature of the managerial process. Credit not applicable towards graduate degrees.
- BMGT 505 Organizational Behavior and Strategic Management** 3 credits; grading method: Reg only  
 0201 MW7-10PM Bldg. Q, Rm. 2108 Schaefer, C
- BMGT 708A Special Topics in Business and Management: Security and Control of Information Systems** 3 credits; grading method: Reg only  
 0101 TuTh7-10PM Bldg. Q, Rm. 0111 Ball, M  
 Prerequisite: admission to a graduate program in business and management or approval of the college program director
- BMGT 708X Special Topics in Business and Management: Management Science and Computers** 3 credits; grading method: Reg/Aud  
 0101 MW7-10PM Bldg. Q, Rm. 1118 Gass, S  
 Prerequisite: admission to a graduate program in Business and Management or approval of the college program director
- BMGT 708Z Special Topics in Business and Management: Managerial Statistics** 3 credits; grading method: Reg/Aud  
 This Course Substitutes for BMGT 732  
 0101 TuTh7-10PM Bldg. Q, Rm. 1118 Trader, R  
 Prerequisite: admission to a graduate program in Business and Management or approval of the college program director
- BMGT 710 Advanced Accounting Theory** 3 credits; grading method: Reg only  
 0201 MW7-10PM Bldg. Q, Rm. 1118 Staff  
 The study of the theoretical and conceptual foundations for generally accepted accounting principles and practices. The basic postulates, assumptions, and standards which underlie the measurement criteria and practices of financial accounting.
- BMGT 720 Managerial Accounting** 3 credits; grading method: Reg only  
 0201 MW7-10PM Bldg. Q, Rm. 1108 Staff  
 0202 MW7-10PM Bldg. Q, Rm. 2102 Staff  
 The use of accounting data for corporate financial planning and control, organization for control, profit planning, budgeting, relevant costing, return on investment, and administration of the cost/throughput function in smaller organizations.
- BMGT 732 Management Statistics and Computer Laboratory** 4 credits; grading method: Reg/Aud  
 0101 TuTh7-10PM Bldg. Q, Rm. 1118 Trader, R  
 Prerequisite: BMGT 504 or permission of college. Application of statistical concepts to solution of business problems; laboratory use of computer packages.
- BMGT 743 Investment Management** 3 credits; grading method: Reg/Aud  
 0201 MW7-10PM Bldg. Q, Rm. 2140 Pamish, S  
 Prerequisite: BMGT 740. Methods of security selection and portfolio management in the debt and equity markets. Investment alternatives, securities markets, bond and common stock valuation, options, portfolio theory, and behavior of stock prices.
- BMGT 751 Marketing Communications Management** 3 credits; grading method: Reg/Aud  
 0101 TuTh7-10PM Bldg. Q, Rm. 2102 Nickels, W  
 Required for M.B.A. Candidates concentrating in marketing. Concerned with the part that advertising, promotion, public relations and related efforts play in the accomplishment of a firm's total marketing objectives. Its purpose is to develop competence in the formulation of mass communications, objectives in budget optimization, media appraisal, theme selection, program implementation and management, and results measurement.
- BMGT 761 Problems and Applications in Personnel Administration** 3 credits; grading method: Reg only  
 0201 TuTh7-10PM Bldg. Q, Rm. 1118 Olan, J  
 Prerequisite: BMGT 760 or equivalent, or permission of instructor. Applications in the design, implementation, and evaluation of human resource management programs. Experiential learning activities and simulations.
- BMGT 764 Behavioral Factors in Management** 3 credits; grading method: Reg/Aud  
 0101 MW7-10PM Bldg. Q, Rm. 2102 Gannon, M  
 0102 TuTh7-10PM Bldg. Q, Rm. 1118 Gannon, M  
 Prerequisite: BMGT 501 or permission of college. Analysis of the influence of behavioral sciences on the theory and practice of management.
- BMGT 775 Product, Production and Pricing Policy** 3 credits; grading method: Reg/Aud  
 0101 MW7-10PM Bldg. Q, Rm. 1118 Fanara Jr., P  
 0102 MW4-7 Bldg. Q, Rm. 1128 Fanara Jr., P  
 Required of M.B.A. Candidates. 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 problems, basic types of cost, control systems, theories of depreciation and investment and the impact of each upon pricing.
- BMGT 790 Total Enterprise Strategy** 3 credits; grading method: Reg/Aud  
 0101 MW7-10PM Bldg. Q, Rm. 1140 Staff  
 Prerequisite: BMGT 501, 502, 503, and 504, or permission of college. Case studies and research to the identification of management problems, the evaluation of alternative solutions, and the recommendation for management implementation.
- BMGT 791 Management Practicum** 3 credits; grading method: Reg/Aud  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff  
 Prerequisite: BMGT 501, 502, 503 AND 504, and 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 828 Independent Study in Business and Management** 1-9 credits; grading method: Reg/Aud  
 Permission of Graduate Program Director Required  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff
- BMGT 830 Operation Research: Linear Programming** 3 credits; grading method: Reg/Aud  
 Prerequisite: Math 240 or Equivalent or Permission of Instructor  
 0101 MW7-10PM Bldg. Q, Rm. 1118 Gass, S
- BMGT 899 Doctoral Dissertation Research** 1-6 credits; grading method: Reg only  
 Permission of Graduate Program Director Required  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff

**BOTN cont.**

- BOTN 699B Special Problems in Botany** 1-3 credits; grading method: Reg/Aud  
 Pathology  
 0101 Arranged Bldg. Arr. Krusberg, L  
 0102 Arranged Bldg. Arr. Staff  
 Credit according to time scheduled and organization of course. Maximum credit towards an advanced degree for the individual student at the discretion of the student's advisor. This course emphasizes research on a specialized advanced topic and may consist primarily of experimental procedures under the direction of visiting lecturers or resident faculty.
- BOTN 699C Special Problems in Botany** 1 credit; grading method: Reg only  
 Physiology  
 0101 Arranged Bldg. Arr. Lockard, J  
 Credit according to time scheduled and organization of course. Maximum credit towards an advanced degree for the individual student at the discretion of the student's advisor. This course emphasizes research on a specialized advanced topic and may consist primarily of experimental procedures under the direction of visiting lecturers or resident faculty.
- BOTN 721 Clinical and Field Plant Pathology** 1-2 credits; grading method: Reg/Aud  
 0101 Arranged Bldg. Arr. Krusberg, L  
 0201 Arranged Bldg. Arr. Krusberg, L  
 Diagnosis of plant diseases under clinical conditions; observation of symptoms and disease patterns in the field; collecting specimens, and writing control recommendations. Student electing one credit hour may emphasize either field or clinical aspects.
- BOTN 799 Master's Thesis Research** 1-6 credits; grading method: Reg only  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff
- BOTN 899 Doctoral Dissertation Research** 1-6 credits; grading method: Reg only  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff

**CHEM (AG AND LIFE SCI)**

- CHEM 101 Introductory College Chemistry** 2 credits; grading method: Reg/P-F/Aud  
 0101 MW9:30-TuTh 30 Lec. Bldg. C, Rm. 1402Z Disc. Bldg. C, Rm. 1402Z Staff  
 An introduction to the study of matter. This course is intended to be followed by CHEM 103. This course may not be taken for credit by students with credit in CHEM 102, 103, 105, 107, 111 or their equivalents. This course may not be taken to satisfy the general education science requirement.
- CHEM 103 General Chemistry I** 4 credits; grading method: Reg/P-F/Aud  
 USP Distributive Studies (B) Nat. Sciences and Mathematics Approved Course  
 0131 MTuWThF12.30/MWFr8-11TuTh9.30 Lec. Bldg. C, Rm. 1407/Lab. Bldg. C, Rm. 1105/  
 Disc. Bldg. C, Rm. 0119 Staff  
 0132 MTuWThF12.30/MWFr8-11TuTh9.30 Lec. Bldg. C, Rm. 1407/Lab. Bldg. C, Rm. 1106/  
 Disc. Bldg. C, Rm. 0122 Staff  
 0133 MTuWThF12.30/MWFr8-11TuTh9.30 Lec. Bldg. C, Rm. 1407/Lab. Bldg. C, Rm. 1109/  
 Disc. Bldg. C, Rm. 2201 Staff  
 0134 MTuWThF12.30/MWFr8-11TuTh9.30 Lec. Bldg. C, Rm. 1407/Lab. Bldg. C, Rm. 1110/  
 Disc. Bldg. C, Rm. 0127 Staff  
 0135 MTuWThF12.30/MWFr8-11TuTh9.30 Lec. Bldg. C, Rm. 1407/Lab. Bldg. C, Rm. 1111/  
 Disc. Bldg. U, Rm. 2120 Staff  
 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 chemist's 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
- 0231 MTuWThF12.30/MWFr8-11TuTh9.30 Lec. Bldg. C, Rm. 1412/Lab. Bldg. C, Rm. 1109/  
 Disc. Bldg. C, Rm. 0119 Staff  
 0232 MTuWThF12.30/MWFr8-11TuTh9.30 Lec. Bldg. C, Rm. 1412/Lab. Bldg. C, Rm. 1105/  
 Disc. Bldg. C, Rm. 0122 Staff  
 0233 MTuWThF12.30/MWFr8-11TuTh9.30 Lec. Bldg. C, Rm. 1412/Lab. Bldg. C, Rm. 1106/  
 Disc. Bldg. C, Rm. 0124 Staff  
 0234 MTuWThF12.30/MWFr8-11TuTh9.30 Lec. Bldg. C, Rm. 1412/Lab. Bldg. C, Rm. 1110/  
 Disc. Bldg. B, Rm. 0302 Staff
- CHEM 104 Fundamentals of Organic and Biochemistry** 4 credits; grading method: Reg/P-F/Aud  
 USP Distributive Studies (B) Nat. Sciences and Mathematics Approved Course  
 0241 MTuWThF12.30/MWFr8-11TuTh9.30 Lec. Bldg. C, Rm. 1402/Lab. Bldg. C, Rm. 1208/  
 Disc. Bldg. U.L.B. Rm. 1108 Staff  
 0242 MTuWThF12.30/MWFr8-11TuTh9.30 Lec. Bldg. C, Rm. 1402/Lab. Bldg. C, Rm. 1212/  
 Disc. Bldg. W.W. Rm. 2105 Staff  
 0243 MTuWThF12.30/MWFr8-11TuTh9.30 Lec. Bldg. C, Rm. 1402/Lab. Bldg. C, Rm. 1215/  
 Disc. Bldg. U, Rm. 1308 Staff  
 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 110 OR 112. Students may not receive credit for both CHEM 104 and CHEM 110 (OR 112). 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  
 USP Distributive Studies (B) Nat. Sciences and Mathematics Approved Course  
 0141 MTuWThF12.30/MWFr8-11TuTh9.30 Lec. Bldg. C, Rm. 1402/Lab. Bldg. C, Rm. 1122/  
 Disc. Bldg. Arr. Rm. 0101 Staff  
 0142 MTuWThF12.30/MWFr8-11TuTh9.30 Lec. Bldg. C, Rm. 1402/Lab. Bldg. C, Rm. 1112/  
 Disc. Bldg. Arr. Rm. 0103 Staff  
 0143 MTuWThF12.30/MWFr8-11TuTh9.30 Lec. Bldg. C, Rm. 1402/Lab. Bldg. C, Rm. 1119/  
 Disc. Bldg. Arr. Rm. 0104 Staff  
 0144 MTuWThF12.30/MWFr8-11TuTh9.30 Lec. Bldg. C, Rm. 1402/Lab. Bldg. C, Rm. 1128/  
 Disc. Bldg. W.W. Rm. 1109 Staff  
 0145 MTuWThF12.30/MWFr8-11TuTh9.30 Lec. Bldg. C, Rm. 1402/Lab. Bldg. C, Rm. 1208/  
 Disc. Bldg. C, Rm. 0128 Staff  
 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
- 0241 MTuWThF12.30/MWFr8-11TuTh9.30 Lec. Bldg. C, Rm. 1407/Lab. Bldg. C, Rm. 1122/  
 Disc. Bldg. C, Rm. 0127 Staff  
 0242 MTuWThF12.30/MWFr8-11TuTh9.30 Lec. Bldg. C, Rm. 1407/Lab. Bldg. C, Rm. 1122/  
 Disc. Bldg. C, Rm. 0128 Staff  
 0243 MTuWThF12.30/MWFr8-11TuTh9.30 Lec. Bldg. C, Rm. 1407/Lab. Bldg. C, Rm. 1119/  
 Disc. Bldg. W.W. Rm. 1109 Staff  
 0244 MTuWThF12.30/MWFr8-11TuTh9.30 Lec. Bldg. C, Rm. 1407/Lab. Bldg. C, Rm. 1128/  
 Disc. Bldg. U, Rm. 1306 Staff
- CHEM 233 Organic Chemistry I** 4 credits; grading method: Reg/P-F/Aud  
 0171 MTuWThF11/MWFr8-11TuTh9.30 Lec. Bldg. C, Rm. 1407/Lab. Bldg. C, Rm. 1218/  
 Disc. Bldg. C, Rm. 0124 Staff  
 0172 MTuWThF11/MWFr8-11TuTh9.30 Lec. Bldg. C, Rm. 1407/Lab. Bldg. C, Rm. 1212/  
 Disc. Bldg. W.W. Rm. 2105 Staff  
 0173 MTuWThF11/MWFr8-11TuTh9.30 Lec. Bldg. C, Rm. 1407/Lab. Bldg. C, Rm. 1224/  
 Disc. Bldg. C, Rm. 0115 Staff  
 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 243 OR 245. 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.

**BOTANY (AG AND LIFE SCI)**

- BOTAN 100 General Botany for Non-Science Students** 4 credits; grading method: Reg/P-F/Aud  
 USP Distributive Studies (B) Nat. Sciences and Mathematics Approved Course  
 0101 MTuWThF9/MTuWThF10-12 Lec. Bldg. E, Rm. 2242/Lab. Bldg. E, Rm. 2103 Van Valkenburg, S  
 0102 MTuWThF9/MTuWThF10-12 Lec. Bldg. E, Rm. 2242/Lab. Bldg. E, Rm. 2104 Van Valkenburg, S  
 A basic course in plant biology specifically designed to meet the educational needs of the general and 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 100 AND 401.
- BOTAN 403 Medicinal and Poisonous Plants** 2 credits; grading method: Reg/Aud  
 0101 MW4.15-7 Bldg. E, Rm. 2242 Lockard, J  
 Prerequisites: BOTN 101 and CHEM 104. Study of plants important to man that have medicinal or poisonous properties. Emphasis on plant source, plant description, the active agent and its beneficial or detrimental physiological action and effects.

**CHEM cont.**

<b>CHEM 243 Organic Chemistry II 4 credits; grading method: Reg P-F/Aud</b>	
0281	MTuWThF11 MWf9-11 TuTh9 30 Lec. Bldg. C, Rm. 1407/ Lab. Bldg. C, Rm. 1224/ Staff
	Disc. Bldg. AR, Rm. 0101
0282	MTuWThF11 MWf9-11 TuTh9 30 Lec. Bldg. C, Rm. 1407/ Lab. Bldg. C, Rm. 1221/ Staff
	Disc. Bldg. Y, Rm. 1310
0283	MTuWThF11 MWf9-11 TuTh9 30 Lec. Bldg. C, Rm. 1407/ Lab. Bldg. C, Rm. 1227/ Staff
	Disc. Bldg. Y, Rm. 1311
Prerequisite: CHEM 233 OR 235 A continuation of CHEM 233 with emphasis on molecular structure, substitution reactions; carbonyl ions; aromaticity; synthetic processes; macro-molecules. Credit may be received for only one of CHEM 243 OR 245.	
<b>CHEM 399 Introduction to Chemical Research 1-2 credits; grading method: S-I only</b>	
Research Plans Must Be Approved By Dr. Schuett Before Registration.	
0101	Arranged Bldg. Arr. Staff
0201	Arranged Bldg. Arr. Staff
Prerequisite: junior standing. Registration only upon consent of the course coordinator. The course will allow students to conduct basic research under the supervision of a member of the department. May be repeated for credit to a maximum of four credits.	
<b>CHEM 481 Physical Chemistry I 3 credits; grading method: Reg P-F/Aud</b>	
0101	MTuWTh11 Bldg. C, Rm. 2201 Staff
Prerequisites: CHEM 113 OR 115, CHEM 343 OR 345, 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.	
<b>CHEM 482 Physical Chemistry II 3 credits; grading method: Reg P-F/Aud</b>	
0101	MTuWTh2 Bldg. C, Rm. 1402 Staff
Prerequisite: CHEM 481, or consent of instructor. A course primarily for chemists and chemical engineers.	
<b>CHEM 699 Special Problems in Chemistry 1-6 credits; grading method: Reg/Aud</b>	
0101	Arranged Bldg. Arr. Staff
0201	Arranged Bldg. Arr. Staff
Prerequisite: one semester of graduate study in chemistry. Laboratory experience in a research environment. Restricted to students in the non-thesis M.S. Option. Repeatable for a maximum of 6 credits.	
<b>CHEM 799 Master's Thesis Research 1-6 credits; grading method: Reg only</b>	
0101	Arranged Bldg. Arr. Staff
0201	Arranged Bldg. Arr. Staff
<b>CHEM 899 Doctoral Dissertation Research 1-8 credits; grading method: Reg only</b>	
0101	Arranged Bldg. Arr. Staff
0201	Arranged Bldg. Arr. Staff

**CLAS**

(ARTS AND HUM)

<b>CLAS 170 Greek and Roman Mythology 3 credits; grading method: Reg P-F/Aud</b>	
USP Distributive Studies (A) Cultural and Historical Approved Course	
0101	MTuWThF9.30 Bldg. LL, Rm. 2206 Kalka, C
0201	MTuWThF9.30 Bldg. LL, Rm. 2206 Lee, H
Taught in English, no prerequisites. 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.	
<b>CLAS 280 English Word Building From Latin and Greek 3 credits; grading method: Reg P-F/Aud</b>	
0201	MTuWThF11 Bldg. LL, Rm. 2206 Staley, M
General English vocabulary through the study of Latin and Greek roots, prefixes, suffixes, etymologies, and principles of linguistic change.	
<b>CLAS 290 Greek and Latin Medical Terminology 3 credits; grading method: Reg P-F/Aud</b>	
This Summer the Department Hopes to Provide Machine Assisted Instruction for class 290, so that students may work through course materials at their own pace. For information, call Dr. Hubbe at Ext. 2510.	
0101	MTuWThF11 Bldg. LL, Rm. 2206 Hubbe, R
Basic medical vocabulary through the study of Greek and Latin roots, prefixes and suffixes. No previous knowledge of Greek or Latin required.	

**CMLT**

(ARTS AND HUM)

<b>COMPARATIVE LITERATURE</b>	
<b>CMLT 799 Master's Thesis Research 1-6 credits; grading method: Reg only</b>	
0101	Arranged Bldg. Arr. Staff
0201	Arranged Bldg. Arr. Staff
<b>CMLT 899 Doctoral Dissertation Research 1-8 credits; grading method: Reg only</b>	
0101	Arranged Bldg. Arr. Staff
0201	Arranged Bldg. Arr. Staff

**CMSC**

(MATH AND PHY SCI AND ENG)

<b>CMSC 103 Introduction to Computing for Non-Majors 3 credits; grading method: Reg P-F/Aud</b>	
0101	MTuWThF8.MTuWThF8 Lec. Bldg. CSS, Rm. 3326/ Lab. Bldg. CSS, Rm. 2352 Staff
0102	MTuWThF8.MTuWThF8 Lec. Bldg. CSS, Rm. 3326/ Lab. Bldg. CSS, Rm. 2356 Staff
0201	MTuWThF8.MTuWThF8 Lec. Bldg. CSS, Rm. 3326/ Lab. Bldg. CSS, Rm. 2352 Staff
0202	MTuWThF8.MTuWThF8 Lec. Bldg. CSS, Rm. 3326/ Lab. Bldg. CSS, Rm. 2316 Staff
Basic concepts of Fortran. Elements of computer organization. Algorithms in the computational solution of problems. Survey of non-numeric and numeric applications. Programming projects. Credit will be given for only one course, CMSC 103 or CMSC 110.	
<b>CMSC 110 Introductory Computer Programming 4 credits; grading method: Reg P-F/Aud</b>	
CMSC majors must take CMSC 112 as a first course.	
	0101 - 1 June-22 Jul
0101	MTuWThF9.30.MTuWThF9.30 Lec. Bldg. CSS, Rm. 2324/ Lab. Bldg. CSS, Rm. 2301 Staff
0102	MTuWThF9.30.MTuWThF9.30 Lec. Bldg. CSS, Rm. 2324/ Lab. Bldg. CSS, Rm. 2352 Staff
Pre- or co-requisite: 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.	

**CMSC cont.**

<b>CMSC 112 Computer Science I 4 credits; grading method: Reg P-F/Aud</b>	
0101	MTuWThF11.MTuWThF11 Lec. Bldg. CSS, Rm. 3326/ Lab. Bldg. CSS, Rm. 1113 Staff
0102	MTuWThF11.MTuWThF11 Lec. Bldg. CSS, Rm. 3326/ Lab. Bldg. CSS, Rm. 2316 Staff
0103	MTuWThF11.MTuWThF11 Lec. Bldg. CSS, Rm. 3326/ Lab. Bldg. CSS, Rm. 2301 Staff
Pre- or co-requisite: MATH 140. Design and analysis of programs. Formal syntax and semantics of a programming language and program verification. Conducted in Pascal. Intended for computer science majors.	
<b>CMSC 120 Intermediate Computer Programming 4 credits; grading method: Reg P-F/Aud</b>	
	0101 - 1 June-22 July
0101	MTuWThF9.30.MTuWThF9.30 Lec. Bldg. CSS, Rm. 3326/ Lab. Bldg. CSS, Rm. 2316 Staff
Prerequisite: CMSC 110 or 112. Pre- or co-requisite: MATH 141 or 221. Design and development of systems and programs. Conducted in Pascal. A continuation of CMSC 110. Not applicable to the major requirements in computer science. Credit awarded for only one of: CMSC 120 or CMSC 122.	
<b>CMSC 122 Computer Science II 4 credits; grading method: Reg P-F/Aud</b>	
	0101 - 01 Jun-22 Jul
	0102 - 01 Jun-22 Jul
0101	MTuWThF11.MTuWThF11 Lec. Bldg. CSS, Rm. 2324/ Lab. Bldg. CSS, Rm. 2330 Staff
0102	MTuWThF11.MTuWThF11 Lec. Bldg. CSS, Rm. 3326/ Lab. Bldg. CSS, Rm. 2352 Staff
Prerequisite: CMSC 112. Pre- or co-requisite: MATH 141. Design and analysis of systems of programs with particular emphasis on data abstraction. Conducted in Pascal. A continuation of CMSC 112. Intended for computer science majors. Credit awarded for only one of: CMSC 120 or CMSC 122.	
<b>CMSC 211 Assembly Language Programming 3 credits; grading method: Reg P-F/Aud</b>	
0101	MTuWThF8.MTuWThF8 Lec. Bldg. CSS, Rm. 2324/ Lab. Bldg. CSS, Rm. 2316 Park, C
0102	MTuWThF8.MTuWThF8 Lec. Bldg. CSS, Rm. 2324/ Lab. Bldg. CSS, Rm. 2330 Park, C
Prerequisite: CMSC 120 or equivalent. Assembly language programming, assemblers, loaders, linkage editors, and macros.	
<b>CMSC 250 Introduction to Discrete Structures 3 credits; grading method: Reg P-F/Aud</b>	
0181	MTuWThF9.30 Bldg. CSS, Rm. 2330 Staff
Prerequisite: CMSC 110 and 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.	
<b>CMSC 498A Special Problems in Computer Science 1-3 credits; grading method: Reg P-F/Aud</b>	
0101	Arranged Bldg. Arr. Staff
0201	Arranged Bldg. Arr. Staff
Prerequisite: permission of instructor. An individualized course designed to allow a student or students to pursue a specialized topic or project under the supervision of the senior staff. Credit according to work done.	
<b>CMSC 798A Graduate Seminar in Computer Science 1-3 credits; grading method: Reg/Aud</b>	
0101	Arranged Bldg. Arr. Staff
0201	Arranged Bldg. Arr. Staff
<b>CMSC 799 Master's Thesis Research 1-6 credits; grading method: Reg only</b>	
0101	Arranged Bldg. Arr. Staff
0201	Arranged Bldg. Arr. Staff
<b>CMSC 818A Advanced Topics in Computer Systems 1-3 credits; grading method: Reg/Aud</b>	
0101	Arranged Bldg. Arr. Staff
0201	Arranged Bldg. Arr. Staff
Prerequisite: permission of instructor. Advanced topics selected by the faculty from the literature of computer systems to suit the interest and background of students.	
<b>CMSC 828A Advanced Topics in Information Processing 1-3 credits; grading method: Reg/Aud</b>	
0101	Arranged Bldg. Arr. Staff
0201	Arranged Bldg. Arr. Staff
Prerequisite: permission of instructor. Advanced topics selected by the faculty from the literature of computer systems to suit the interest and background of students.	
<b>CMSC 838A Advanced Topics in Programming Languages 1-3 credits; grading method: Reg/Aud</b>	
0101	Arranged Bldg. Arr. Staff
0201	Arranged Bldg. Arr. Staff
Prerequisite: permission of instructor. Advanced topics selected by faculty from the literature of programming languages to suit the interest and background of students.	
<b>CMSC 899 Doctoral Dissertation Research 1-8 credits; grading method: Reg only</b>	
0101	Arranged Bldg. Arr. Staff
0201	Arranged Bldg. Arr. Staff

**CNEC**

(HUM AND COM RES)

<b>CONSUMER ECONOMICS</b>	
<b>CNEC 100 Introduction to Consumer Economics 3 credits; grading method: Reg P-F/Aud</b>	
USP Distributive Studies (D) Soc and Behavioral Sciences Approved Course	
0101	MTuWThF10PM Bldg. H, Rm. 1304 Jensen, H
0201	TuThF-10PM Bldg. H, Rm. 1304 Chern
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.	
<b>CNEC 431 The Consumer and the Law 3 credits; grading method: Reg P-F/Aud</b>	
Course Meets University Studies Program Advanced Studies Requirement.	
0101	MW-10PM Bldg. H, Rm. 1400 Goldberg, F
0201	MW-10PM Bldg. H, Rm. 1400 Ruth, J., Jr.
A study of legislation affecting consumer goods and services. Topics covered include product safety 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.	
<b>CNEC 437 Consumer Behavior 3 credits; grading method: Reg P-F/Aud</b>	
Course Meets University Studies Program Advanced Studies Requirement.	
0101	MW-10PM Bldg. H, Rm. 0108 Hacklander, E
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.	
<b>CNEC 498 Special Studies 2-4 credits; grading method: Reg P-F/Aud</b>	
0101	Arranged Bldg. Arr. Staff
0201	Arranged Bldg. Arr. Staff
Independent study by an individual student or by a group of students in advanced work not otherwise provided in the department. Students must prepare a description of the study they wish to undertake. The plan must be approved by the faculty directing the study and the department chairman.	

# COOP

## COOPERATIVE EDUCATION PROGRAM (UG STUDIES)

**COOP 208** **Coop Work Experience I** 0 credits; grading method: s-I only (Registration By Permission Only)  
0101 - 01 Jun-19 Aug  
0101 Arranged Bldg Arr. Rysaron, R  
Prerequisites: satisfactory completion of 36 credits; and consent of the director of the cooperative education program. Practical, full-time work experience in either private or government agencies which supplements and enhances the theories, principles and practices in the normal education program. The student must register for COOP 208 for each summer work experience and for both COOP 208 AND 209 for each semester work experience.

# CRIM

## (BEHAV AND SOC SCI)

**CRIM 220** **Criminology** 3 credits; grading method: Reg/P-F/Aud  
USP Distributive Studies (D) Soc and Behavioral Sciences Approved Course  
0101 MTUWTHF930 Bldg. SSB, Rm. 1222 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 Arranged Bldg Arr. Staff  
0201 Arranged Bldg Arr. Staff  
Prerequisites: 6 credits of criminology and consent of instructor. Supervised field training in public or private social agencies. Group meetings, individual conferences and written program reports. Repeatable to a maximum of six credits.  
**CRIM 399** **Independent Study in Criminology** 1-3 credits; grading method: Reg/P-F/Aud  
0101 Arranged Bldg Arr. Staff  
0201 Arranged Bldg Arr. Staff  
Prerequisites: 12 credits in criminology or law enforcement; consent of instructor. Integrated reading or research under direction and supervision of a faculty member. Repeatable to a maximum of six credits.  
**CRIM 450** **Juvenile Delinquency** 3 credits; grading method: Reg/P-F/Aud  
0101 MTUWTHF1230 Bldg. SSB, Rm. 1221 Young, V  
0201 MTUWTHF930 Bldg. SSB, Rm. 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 452** **Treatment of Criminals and Delinquents in the Community** 3 credits; grading method: Reg/P-F/Aud  
0201 MTUWTHF11 Bldg. SSB, Rm. 1220 Staff  
Prerequisite: CRIM 220 or CRIM 450 or consent of instructor. Analysis of the processes and methods in the modification of criminal patterns of behavior in a community setting  
**CRIM 453** **Institutional Treatment of Criminals and Delinquents** 3 credits; grading method: Reg/P-F/Aud  
0101 MTUWTHF11 Bldg. H, Rm. 1400 Staff  
Prerequisite: CRIM 220 or CRIM 450 or consent of instructor. History, organization and functions of penal and correctional institutions for adults and juveniles  
**CRIM 896** **Special Criminological Problems** 1-3 credits; grading method: Reg/Aud  
0101 Arranged Bldg Arr. Staff  
0201 Arranged Bldg Arr. Staff  
Prerequisite: consent of instructor. Supervised study of selected problems in the field of criminology. Repeatable to a maximum of six credits.  
**CRIM 799** **Master's Thesis Research** 1-6 credits; grading method: Reg only  
0101 Arranged Bldg Arr. Staff  
0201 Arranged Bldg Arr. Staff  
**CRIM 899** **Doctoral Dissertation Research** 1-8 credits; grading method: Reg only  
0101 Arranged Bldg Arr. Staff  
0201 Arranged Bldg Arr. Staff

# DANC

## (ARTS AND HUM)

**DANCE**  
**DANC 100** **Modern Dance I for Non-Majors** 2 credits; grading method: Reg/P-F/Aud  
0101 MTUWTHF1230 Bldg. W, Rm. 2102 Mayes, A  
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 MTUWTHF11 Bldg. AA, Rm. 1103 Fienell, S  
Bare and center work for alignment, strength, flexibility and coordination. Introduction to ballet terminology.  
**DANC 140** **Modern Dance II for Majors** 0101 3 credits; grading method: Reg/P-F/Aud  
0101 MTUWTHF930 Bldg. EE, Rm. 1115 Rosen, M  
Prerequisite: DANC 148 or audition. Continuation of DANC 148. Repeatable to a maximum of 6 credits only with permission of instructor.  
**DANC 398** **Directed Studies in Dance** 1-6 credits; grading method: Reg/P-F/Aud  
0101 Arranged Bldg Arr. Staff  
Prerequisite: permission of the department chairman. Repeatable to a maximum of 6 credits

# DHCR

## HUMAN AND COMMUNITY RESOURCES (HUM AND COM RES)

**DHCR 488A** **Selected Topics in Human and Community Resources** 1-3 credits; grading method: Reg/P-F/Aud  
**Career and Life Transitions**  
0101 MW4-7 Bldg. RR, Rm. 0125 Ansello, E  
Topics in interdisciplinary processes relevant to the study of human and community resources  
**DHCR 488F** **Selected Topics in Human and Community Resources** 1-3 credits; grading method: Reg/P-F/Aud  
**Crisis of Aging: Time, Retirement and Widowhood**  
0101 TuTh-7 Bldg. RR, Rm. 0125 Ansello, E  
Topics in interdisciplinary processes relevant to the study of human and community resources.

# ECON

## (BEHAV AND SOC SCI)

**ECONOMICS**  
**ECON 201** **Principles of Economics I** 3 credits; grading method: Reg/P-F/Aud  
USP Distributive Studies (D) Soc and Behavioral Sciences Approved Course  
0101 MTUWTHF8 Bldg. Q, Rm. 0101 Staff  
0102 MTUWTHF8 Bldg. Q, Rm. 0101 Staff  
0103 MTUWTHF11 Bldg. Q, Rm. 0101 Staff  
0201 MTUWTHF8 Bldg. Q, Rm. 0101 Staff

# ECON cont.

0202 MTUWTHF930 Bldg. Q, Rm. 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 efficacy of wage and price controls is analyzed.  
**ECON 203** **Principles of Economics II** 3 credits; grading method: Reg/P-F/Aud  
USP Distributive Studies (D) Soc and Behavioral Sciences Approved Course  
0101 MTUWTHF8 Bldg. Q, Rm. 112B Staff  
0102 MTUWTHF930 Bldg. Q, Rm. 1114 Staff  
0201 MTUWTHF8 Bldg. Q, Rm. 1132 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 differing market structures upon economic activity. (Students are advised to take ECON 201 before ECON 203.)  
**ECON 205** **Fundamentals of Economics** 3 credits; grading method: Reg/P-F/Aud  
USP Distributive Studies (D) Soc and Behavioral Sciences Approved Course  
0101 MTUWTHF8 Bldg. Q, Rm. 1114 Staff  
0102 MTUWTHF11 Bldg. Q, Rm. 112B Staff  
0201 MTUWTHF930 Bldg. Q, Rm. 1101 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 205. A one-semester introduction, for non-majors, to the principles of economics and their applications to the leading economic problems of society, including inflation, unemployment, 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** 3 credits; grading method: Reg/P-F/Aud  
0101 MTUWTHF930 Bldg. Q, Rm. 112B Resman, J  
The evolution of the capitalist system from its 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 375** **Economics of Poverty and Discrimination** 3 credits; grading method: Reg/P-F/Aud  
0101 MTUWTHF930 Bldg. Q, Rm. 210B Sheppard, K  
Prerequisite: ECON 201 and 203, 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 401** **National Income Analysis** 3 credits; grading method: Reg/P-F/Aud  
0101 MTUWTHF930 Bldg. Q, Rm. 1132 Kelejian, H  
0201 MTUWTHF8 Bldg. Q, Rm. 112B Staff  
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 403** **Intermediate Price Theory** 3 credits; grading method: Reg/P-F/Aud  
0101 MTUWTHF930 Bldg. Q, Rm. 1132 McGuira, M  
0201 MTUWTHF930 Bldg. E, Rm. 3232 Staff  
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  
Course Meets University Studies Program Advanced Studies Requirement.  
0101 MTUWTHF11 Bldg. Q, Rm. 210B Staff  
Prerequisite: ECON 201 and 203, or 205. 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 I** 3 credits; grading method: Reg/P-F/Aud  
0101 MW7-10PM Bldg. Q, Rm. 1132 Brechling, F  
Prerequisite: ECON 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 425** **Mathematical Economics** 3 credits; grading method: Reg/P-F/Aud  
0201 MW7-10PM Bldg. Q, Rm. 1132 Brechling, F  
Prerequisites: ECON 401 AND 403 and one year of college mathematics. A course designed to enable economics majors to understand the simpler aspects of mathematical economics. Those parts of the calculus and algebra required for economic analysis will be presented.  
**ECON 430** **Money and Banking** 3 credits; grading method: Reg/P-F/Aud  
0101 MTUWTHF11 Bldg. RR, Rm. 0121 Meyer, P  
0102 MTUWTHF930 Bldg. E, Rm. 3232 Meyer, P  
0201 MTUWTHF930 Bldg. Q, Rm. 1132 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  
See Special Section - Summar Institutes for Development Studies.  
0101 MTUWTHF930 Bldg. RR, Rm. 0121 Panagariya, A  
0201 MTUWTHF930 Bldg. Q, Rm. 112B 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 605** **Welfare Economics** 3 credits; grading method: Reg only  
Prerequisite: ECON 603  
0101 TuTh-9 Bldg. Q, Rm. 1132 McGuira, M  
First semester. Prerequisite: ECON 603. The topics covered include Pareto optimality, social welfare functions, indivisibilities, consumer surplus, output and price policy in public enterprise, and welfare aspects of the theory of public expenditures  
**ECON 698** **Selected Topics In Economics** 3 credits; grading method: Reg/Aud  
0101 Arranged Bldg Arr. Staff  
0201 Arranged Bldg Arr. Staff  
**ECON 799** **Master's Thesis Research** 1-6 credits; grading method: Reg only  
0101 Arranged Bldg Arr. Staff  
0201 Arranged Bldg Arr. Staff  
**ECON 899** **Doctoral Dissertation Research** 1-8 credits; grading method: Reg only  
0101 Arranged Bldg Arr. Staff  
0201 Arranged Bldg Arr. Staff

# EDCI

## CURRICULUM AND INSTRUCTION (HUM AND COM RES)

**EDCI 313** **Creative Activities and Materials for the Young Child** 3 credits; grading method: Reg/P-F/Aud  
0201 1-12 Jul-29 Aug Bldg. OO, Rm. 1315 Staff

**EDCI cont.**

- EDCI 390 Principles and Methods of Secondary Education**  
3 credits; grading method: Reg/P-F/Aud
- 0101 MW7-10PM Bldg. OO, Rm. 0210 Sublett Jr, H  
0201 TuTh-7 Bldg. OO, Rm. 1107 Longley, E
- Prerequisite: EDHD 300 or consent of instructor. Principles and methods of teaching in junior and senior high schools.
- EDCI 410 The Child and the Curriculum: Early Childhood** 3 credits; grading method: Reg/P-F/Aud  
0201 MWFS-12 Jun-29 Jul Bldg. OO, Rm. 1315 Heidelbach, R  
0201 MWFS-12 Jun-29 Jul Bldg. OO, Rm. 1315 Heidelbach, R
- Relationship of the 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 424 Social Studies in the Elementary School** 3 credits; grading method: Reg/P-F/Aud  
0101 TuTh-7 Bldg. OO, Rm. 2119 Weaver, V
- Curriculum, organization and methods of teaching, evaluation of materials and utilization of environmental resources. Emphasis on multicultural education. Primarily for in-service teachers, grades 1-6.
- EDCI 443 Literature for Children and Youth** 3 credits; grading method: Reg/P-F/Aud  
0101 MW4-7 Bldg. OO, Rm. 1121 Rodanick, J
- Analysis of literary materials for children and youth. Texts and ageless books; and outstanding examples of contemporary publishing. Evaluation of the contributions of individual authors, illustrators and children's book awards.
- EDCI 445 Language Arts in the Elementary School** 3 credits; grading method: Reg/P-F/Aud  
0101 TuTh-10P Arranged Lec. Bldg. OO, Rm. 1121 Herman Jr, W
- 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 MW7-10PM Bldg. OO, Rm. 2121 Cole, M  
0201 TuTh-7 Bldg. OO, Rm. 2121 Campbell, P
- Prerequisite: MATH 20 or equivalent. Emphasis on materials and procedures which help pupils sense arithmetic meanings and relationships. Primarily for in-service teachers, grades 1-6.
- EDCI 462 Reading in the Elementary School** 3 credits; grading method: Reg/P-F/Aud  
0201 MW4-7 Bldg. OO, Rm. 1121 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  
0201 TuTh-7 Bldg. OO, Rm. 1121 Bingham, B
- The fundamentals of secondary reading instruction, including emphasis on content reading instruction.
- EDCI 464 Clinical Practices in Reading Diagnosis and Instruction** 3 credits; grading method: Reg/P-F/Aud  
0201 MW4-7 Bldg. OO, Rm. 1203 Dreher, M
- Prerequisite: EDCI 362 or 463. A laboratory course in which each student has one or more pupils for analysis and instruction. At least one class meeting per week to diagnose individual cases and to plan instruction.
- EDCI 472 Methods of Teaching Science in Secondary Schools** 3 credits; grading method: Reg/P-F/Aud  
0201 MW4-7 Bldg. OO, Rm. 0220 Finley, F
- Prerequisites: EDHD 300, EDCI 390, and consent of instructor. The study of the teachers role in secondary school science instruction; preparing objectives, planning lessons, selecting and organizing for 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 475 Science in the Elementary School** 3 credits; grading method: Reg/P-F/Aud  
0101 MW-7 Bldg. OO, Rm. 2212 Eley Jr, G
- 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 TuTh-7 Bldg. OO, Rm. 0220 Lockard, J  
0201 TuTh-7 Bldg. OO, Rm. 0220 Layman, J
- EDCI 488M Selected Topics in Teacher Education** 3 credits; grading method: Reg/P-F/Aud  
0101-27 Jun-01 Jul Bldg. OO, Rm. 1121/ Lab. Bldg. Arr. Carr, J
- Prerequisite: major in Curriculum and Instruction, or consent of department.
- EDCI 488N Selected Topics in Teacher Education** 3 credits; grading method: Reg/P-F/Aud  
0201 MWThF-4 Arranged Lec. Bldg. OO, Rm. 1107/ Lab. Bldg. Arr. Gironcoba, J
- Prerequisite: major in Curriculum and Instruction, or consent of department.
- EDCI 488O Selected Topics in Teacher Education** 3 credits; grading method: Reg/P-F/Aud  
0201-11 Jul-15 Jul Bldg. OO, Rm. 2121/ Lab. Bldg. Arr. Staff
- Prerequisite: major in Curriculum and Instruction, or consent of department.
- EDCI 488P Selected Topics in Teacher Education** 3 credits; grading method: Reg/P-F/Aud  
0201-11 Jul-22 Jul Bldg. OO, Rm. 2006/ Lab. Bldg. Arr. Austing, R
- Prerequisite: major in Curriculum and Instruction, or consent of department.
- EDCI 488Q Selected Topics in Teacher Education** 3 credits; grading method: Reg/P-F/Aud  
0101 M-7 Bldg. OO, Rm. 1315 McWhinnie, H
- Prerequisite: major in Curriculum and Instruction, or consent of department.
- EDCI 488R Selected Topics in Teacher Education** 3 credits; grading method: Reg/P-F/Aud  
0101 TuTh-7 Bldg. OO, Rm. 0202 Craig, R
- Prerequisite: major in Curriculum and Instruction, or consent of department.
- EDCI 488S Selected Topics in Teacher Education** 3 credits; grading method: Reg/P-F/Aud  
0201-12 Jul-29 Jul Bldg. OO, Rm. 1203 Dolorenzo, W
- Prerequisite: major in Curriculum and Instruction, or consent of department.
- EDCI 488T Selected Topics in Teacher Education** 3 credits; grading method: Reg/P-F/Aud  
0201-12 Jul-29 Jul Bldg. OO, Rm. 1203 Dolorenzo, W
- Prerequisite: major in Curriculum and Instruction, or consent of department.
- EDCI 488U Selected Topics in Teacher Education** 3 credits; grading method: Reg/P-F/Aud  
0101 TuTh-7 Bldg. OO, Rm. 2119 Church, M
- Prerequisite: major in Curriculum and Instruction, or consent of department.
- EDCI 488V Field Experience in Education** 1-4 credits; grading method: Reg/P-F/Aud  
0101 Arranged Bldg. Arr. Staff  
0201 Arranged Bldg. Arr. Staff
- Prerequisites: at least six semester hours in education at the University of Maryland plus such other prerequisites as may be set by the major area in which the experience is to be taken. Planned field experience may be provided for selected students who have had teaching experience and whose

**EDCI cont.**

- applicator for such field experience has been approved by the education faculty. Field experience is offered in a given area to both major and nonmajor students. Note: the total number of credits which a student may earn in EDCI 489, 488, and 889 is limited to a maximum of 20 semester hours.
- EDCI 488 Special Problems in Teacher Education** 1-6 credits; grading method: Reg/P-F/Aud  
0101 Arranged Bldg. Arr. Staff  
0201 Arranged Bldg. Arr. Staff
- Prerequisite: Consent of advisor. Available only to curriculum and instruction majors who have defined plans for individual study of approved problems. Credit according to extent of work.
- EDCI 499A Workshops, Clinics, and Institutes** 3 credits; grading method: Reg/P-F/Aud  
0101-27 Jun-15 Jul Bldg. Arr. Johnson, M
- EDCI 561 Teaching Reading in the Content Areas** 3 credits; grading method: Reg/P-F/Aud  
0101 MW4-7 Bldg. OO, Rm. 1107 Devey, H
- Prerequisite: EDCI 465. The effect of recent developments in educational thinking and practice on the teaching of reading in the content areas. Focus on improving student achievement in content disciplines where reading materials are used as instructional resources.
- EDCI 761 Advanced Clinical Practices in Reading Diagnosis** 3 credits; grading method: Reg/Aud  
0201 MWThF-12 Bldg. OO, Rm. 1121 Gambrell, L
- Prerequisite: EDCI 665. Corerequisite: EDI 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  
0201 MWThF-14 Bldg. OO, Rm. 1121 Gambrell, L
- Prerequisite: EDCI 665. Corerequisite: EDI 761. Remedial instruction with children in clinic and school situations. The development of competence in remedial techniques, diagnostic teaching and evaluation.
- EDCI 788S Selected Topics in Teacher Education** 3 credits; grading method: Reg only  
0101 TuTh-7 Bldg. OO, Rm. 1121 Devey, H
- Current topics and issues in teacher education.
- EDCI 788T Selected Topics in Teacher Education** 3 credits; grading method: Reg/Aud  
0101 TuTh-7 Bldg. OO, Rm. 1203 McCaleb, J
- Current topics and issues in teacher education.
- EDCI 788U Selected Topics in Teacher Education** 3 credits; grading method: Reg/Aud  
0101 TuTh-10P Bldg. OO, Rm. 2119 Church, M
- Current topics and issues in teacher education.
- EDCI 788V Selected Topics in Teacher Education** 3 credits; grading method: Reg/Aud  
0101 MW4-7 Bldg. OO, Rm. 1203 Slater, W
- Current topics and issues in teacher education.
- EDCI 788W Selected Topics in Teacher Education** 3 credits; grading method: Reg/Aud  
0101 MW4-7 Bldg. OO, Rm. 3236 Amershek, K
- Current topics and issues in teacher education.
- EDCI 798 Special Problems in Teacher Education** 1-6 credits; grading method: Reg/Aud  
0101 Arranged Bldg. Arr. Staff  
0201 Arranged Bldg. Arr. Staff
- EDCI 799 Master's Thesis Research** 1-6 credits; grading method: Reg only  
0101 Arranged Bldg. Arr. Staff  
0201 Arranged Bldg. Arr. Staff
- EDCI 889 Doctoral Dissertation Research** 1-8 credits; grading method: Reg only  
0101 Arranged Bldg. Arr. Staff  
0201 Arranged Bldg. Arr. Staff

**EDCP****EDUCATION COUNSELING AND PERSONNEL SERVICES****(HUM AND COM RES)**

- EDCP 410 Introduction to Counseling and Personnel Services** 3 credits; grading method: Reg/P-F/Aud  
0101 MW7-10PM Bldg. OO, Rm. 0206 Rhoads, D  
0201 TuTh-7 Bldg. OO, Rm. 2101 Allen, T
- Presents principles and procedures, and examines the function of counselors, psychologists in schools, school social workers, and other personnel service workers.
- EDCP 411 Mental Hygiene** 3 credits; grading method: Reg/P-F/Aud  
0101 MW4-7 Bldg. OO, Rm. 0206 Lawrence, R
- The practical application of the principles of mental hygiene to classroom problems.
- EDCP 413 Behavior Modification** 3 credits; grading method: Reg/P-F/Aud  
0101 TuTh-10P Bldg. OO, Rm. 0206 Strein, W
- Knowledge and techniques of intervention in a variety of social situations, including contingency contracting and time out will be acquired.
- EDCP 417 Group Dynamics and Leadership** 3 credits; grading method: Reg/P-F/Aud  
0201 TuTh-10P Bldg. OO, Rm. 0201 Staff
- The nature and property of groups, intergroup relations, leadership dynamics and styles, roles of members and interpersonal communications. Two hours of lecture discussion and two hours of laboratory per week, laboratory involves experimental based learning.
- EDCP 460 Introduction to Rehabilitation Counseling** 3 credits; grading method: Reg/P-F/Aud  
0201 MW7-10PM Bldg. OO, Rm. 0206 Staff
- Introductory course for majors in rehabilitation counseling, social work, psychology, or education who desire to work professionally with physically or emotionally handicapped persons.
- EDCP 611 Career Development Theory and Programs** 3 credits; grading method: Reg/Aud  
0101 MW7-10PM Bldg. OO, Rm. 3233 Spokane, A
- EDCP 614 Personality Theories in Counseling and Personnel Services** 3 credits; grading method: Reg/Aud  
0101 MW4-7 Bldg. OO, Rm. 3233 Strein, W
- Examination of constructs and research relating to major personality theories with emphasis on their significance for working with the behaviors of individuals.
- EDCP 615 Counseling I: Appraisal** 3 credits; grading method: Reg/Aud  
0201 MW7-10PM Bldg. OO, Rm. 3233 Teglas-golubow, C
- Collection and interpretation of appraisal data, synthesis of data through case study procedures. Development of interview skills.
- EDCP 618 Counseling II: Theory and Practice** 3 credits; grading method: Reg/Aud  
0101 TuTh-7 Bldg. OO, Rm. 3233 Spokane, A
- Prerequisite: EDPC 615. Counseling theories and the practices which stem from such theories.
- EDCP 617 Group Counseling** 3 credits; grading method: Reg/Aud  
0101 TuTh-10PM Bldg. OO, Rm. 3233 Waldo, M
- Prerequisite: EDPC 616. A survey of theory, research and practice of group counseling and psychotherapy with an introduction to growth groups and the laboratory approach, therapeutic factors in groups, composition of therapeutic groups, problem clients, therapeutic techniques, research methods, theories, ethics and training of group counselors and therapists.

# EDCP cont.

**EDCP 798 Special Problems in Counseling and Personnel Services** 1-6 credits; grading method: Reg/Aud  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff  
**EDCP 799 Master's Thesis Research** 1-6 credits; grading method: Reg Only  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff  
**EDCP 888 Apprenticeship in Counseling and Personnel Services** 1-8 credits; grading method: Reg/Aud  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff  
 Apprenticeships in the major area of study are available to selected students whose application for an apprenticeship has been approved by the education faculty. Each experience is assigned to work for at least a semester full-time or the equivalent with an appropriate staff member of a cooperating school, school system, or educational institution or agency. The sponsor of the apprentice maintains a close working relationship with the apprentice and the other persons involved. Prerequisites: teaching experience, a Master's degree in education, and at least six semester hours in education at the University of Maryland. Note: the total number of credits which a student may earn in EDCP 489, 888, AND 889 is limited to a maximum of twenty (20) semester hours.  
**EDCP 889 Internship in Counseling and Personnel Services** 3-8 credits; grading method: Reg/Aud  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff  
 Internships in the major area of study are available to selected students who have teaching experience. The following groups of students are eligible: (a) any student who has been advanced to the candidacy for the Doctoral degree; and (b) any student who receives special approval by the education faculty for an internship, provided that prior to taking an internship, such student shall have completed at least 60 semester hours of graduate work, including at least six semester hours in education at the University of Maryland. Each intern is assigned to work on a full-time basis for at least a semester with an appropriate staff member in a cooperating school, school system, or educational institution or agency. The internship must be taken in a school situation different from the one where the student is regularly employed. The intern's sponsor maintains a close working relationship with the intern and the other persons involved. Note: the total number of credits which a student may earn in EDCP 489, 888, and 889 is limited to a maximum of twenty (20) semester hours.  
**EDCP 899 Doctoral Dissertation Research** 1-8 credits; grading method: Reg Only  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff

# EDHD

## EDUCATION HUMAN DEVELOPMENT (HUM AND COM RES)

**EDHD 300 Human Development and Learning** 6 credits; grading method: Reg/P-F/Aud  
 0101 MTUWThF9.30-12.20 Bldg. OO, Rm 3311 Gardner, A  
 0201 MTUWThF9.30-12.20 Bldg. OO, Rm 3311 Bennett, S  
 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 requires an 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.  
**EDHD 306 A Study of Human Behavior** 3 credits; grading method: Reg/P-F/Aud  
 0101 MTUWThF9.30 Bldg. OO, Rm 3315 Matteson, R  
 This course is planned for and limited to students who are not enrolled in the College of Education, and it does not satisfy the requirements of the professional teacher 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.  
**EDHD 320 Human Development Through the Lifespan** 3 credits; grading method: Reg/P-F/Aud  
 0101 MW4-7 Bldg. OO, Rm 3315 Koopman, E  
 0201 MTUWThF2 Bldg. OO, Rm 3315 Green, H  
 A study of natural 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 386 Field Work** 1-3 credits; grading method: Reg/P-F/Aud  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff  
**EDHD 387 Field Work Analysis** 1-3 credits; grading method: Reg/P-F/Aud  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff  
**EDHD 400 Introduction to Gerontology** 3 credits; grading method: Reg/Aud  
 0201 MW4-7 Bldg. OO, Rm 3315 Perkins, H  
 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-protection leading to a bearing on life quality in the later 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 MTUWThF9.30 Bldg. OO, Rm 3311 Tyler, B  
 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 assessment 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 MTUWThF2 Bldg. OO, Rm 3311 Flatter, C  
 A study of the interplay of physical, cultural and self forces as they influence behavior, development, learning and adjustment during adolescence. Includes observation and case study. This course cannot be used to meet the psychological foundations requirements for teacher certification.  
**EDHD 445 Guidance and Youth Children** 3 credits; grading method: Reg/P-F/Aud  
 0201 MW4-7 Bldg. OO, Rm 3311 Marcus, 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 MW7-10PM Bldg. OO, Rm 3311 Matteson, R  
 0201 TuTh-7 Fox, N  
 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, understanding, and communicating knowledge. The experience 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 489 Field Experiences in Education** 1-4 credits; grading method: Reg/P-F/Aud  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff  
 Prerequisites: at least six semester hours in education at the University of Maryland plus such other prerequisites as may be set by the major area in which the experience is to be taken. Planned field experience may be substituted for selected students who have had teaching experience and whose application for such field experience has been approved by the education faculty. Field experience is offered in a given area to both major and non-major students. Note: the total number of credits which a student may earn in EDHD 489, 888, AND 889 is limited to a maximum of 20 semester hours.

# EDHD cont.

**EDHD 498 Special Problems in Education** 1-3 credits; grading method: Reg/P-F/Aud  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff  
 Prerequisite: consent of instructor. Available only to mature students who have definite plans for individual study of approved problems.  
**EDHD 498E Workshops, Clinics, and Institutes: Parenting in a Changing Society** 3 credits; grading method: Reg/P-F/Aud  
 0201 TuTh-7-10PM Bldg. OO, Rm 3311 Marcus, R  
**EDHD 499F Workshops, Clinics, and Institutes: Contemporary Issues in Becoming a Woman**  
 0101 MW4-7 Bldg. OO, Rm 3311 Tyler, B  
**EDHD 499J Workshops, Clinics, and Institutes: Myth and Meaning in Human Development**  
 0201 TuTh12.30-3.30 Bldg. OO, Rm 3311 Rogolsky, S  
**EDHD 499K Workshops, Clinics, and Institutes: Communication Skills in the Helping Professions** 3 credits; grading method: Reg Only  
 0101 TuTh-7-10PM Bldg. OO, Rm 3311 Hunt, E  
**EDHD 499L Workshops, Clinics, and Institutes: Cognitive Processes in Early Childhood**  
 0101 TuTh-7 Bldg. OO, Rm 3311 Seefeldt, C  
 Explores the growth of intelligence in early childhood with implications for adults in fostering language, concept learning and problem solving in young children.  
**EDHD 499M Workshops, Clinics, and Institutes: Decision Making and Problem Solving in Small Groups**  
 0101 MW7-10PM Bldg. OO, Rm 3315 Hunt, E  
 An application of principles of human communication and small group processes to the development of educational workshops. Theory, application, and evaluation.  
**EDHD 499P Workshops, Clinics, and Institutes: Self Help and Mutual Support in Mental Health Services**  
 0201 TuTh7-10PM Bldg. OO, Rm 3315 Hatfield, A  
**EDHD 499U Workshops, Clinics, and Institutes: Life Review Through Autobiography** 3 credits; grading method: Reg/P-F/Aud  
 0201 MW7-10PM Bldg. OO, Rm 3315 Perkins, H  
**EDHD 600 Introduction to Human Development and Child Study**  
 0201 MW7-10PM 3 credits; grading method: Reg/Aud Bldg. OO, Rm 3311 Green, H  
 An overview of the multidisciplinary, scientific principles which describe human development and behavior and an application of these principles in an analysis of a behavioral record. Techniques of observation, recording, and analysis of human behavior. Emphasis on critiquing and applying research findings.  
**EDHD 601 Biological Bases of Behavior** 3 credits; grading method: Reg/Aud  
 0201 TuTh7-10PM Bldg. OO, Rm 3233 Fox, N  
 EDHD 600 or its equivalent must be taken before EDHD 601 or concurrently. Emphasizes that understanding human life, growth and behavior depends on understanding the ways in which the body is able to capture, control and expend energy. Application throughout is made to human body processes and implications for understanding and working with people.  
**EDHD 602 Social Bases of Behavior** 3 credits; grading method: Reg Only  
 0101 TuTh-7 Bldg. OO, Rm 3315 Ames, C  
 The social forces and expectations that influence behavior from infancy through old age and death. The effects of ethnicity, social learning values, attitudes, historical events and mass media on perception and behavior in social interactions.  
**EDHD 613 Advanced Laboratory in Behavior Analysis I** 3 credits; grading method: Reg/Aud  
 0101 TuTh-7 Bldg. OO, Rm 2110 Flatter, C  
 First of a three-hour sequence in the study of behavior. Analysis focuses upon the major forces which shape the development and learning of children and youth. Summer session only.  
**EDHD 619E Advanced Scientific Concepts in Human Development Parenting in a Changing Society** 3 credits; grading method: Reg/Aud  
 0201 TuTh7-10PM Bldg. OO, Rm 3311 Marcus, R  
 A critical examination of concepts and issues in contemporary culture as these relate to the development and learning of children and youth. Summer session only.  
**EDHD 619F Advanced Scientific Concepts in Human Development Contemporary Issues in Becoming a Woman** 3 credits; grading method: Reg Only  
 0101 MW4-7 Bldg. OO, Rm 3311 Tyler, B  
 A critical examination of concepts and issues in contemporary culture as these relate to the development and learning of children and youth. Summer session only.  
**EDHD 619J Advanced Scientific Concepts in Human Development Myth and Meaning in Human Development** 3 credits; grading method: Reg Only  
 0201 TuTh12.30-3.30 Bldg. OO, Rm 3311 Rogolsky, S  
**EDHD 619K Advanced Scientific Concepts in Human Development Self Help and Mutual Support in Mental Health Services** 3 credits; grading method: Reg Only  
 0201 TuTh7-10PM Bldg. OO, Rm 3315 Hunt, E  
**EDHD 619L Advanced Scientific Concepts in Human Development Communication Skills in the Helping Professions** 3 credits; grading method: Reg/Aud  
 0101 TuTh7-10PM Bldg. OO, Rm 3311 Hunt, E  
**EDHD 619M Advanced Scientific Concepts in Human Development Cognitive Processes in Early Childhood** 3 credits; grading method: Reg Only  
 0101 TuTh7-7 Bldg. OO, Rm 3311 Seefeldt, C  
 A critical examination of concepts and issues in contemporary culture as these relate to the development and learning of children and youth. Summer session only.  
**EDHD 619N Advanced Scientific Concepts in Human Development Decision Making and Problem Solving in Small Groups** 3 credits; grading method: Reg/Aud  
 0101 MW7-10PM Bldg. OO, Rm 3315 Hunt, E  
 A critical examination of concepts and issues in contemporary culture as these relate to the development and learning of children and youth. Summer session only.  
**EDHD 619P Advanced Scientific Concepts in Human Development Self Help and Mutual Support in Mental Health Services** 3 credits; grading method: Reg Only  
 0201 TuTh7-10PM Bldg. OO, Rm 3315 Hatfield, A  
**EDHD 619U Advanced Scientific Concepts in Human Development Life Review Through Autobiography** 3 credits; grading method: Reg/Aud  
 0201 MW7-10PM Bldg. OO, Rm 3315 Perkins, H  
 A critical examination of concepts and issues in contemporary culture as these relate to the development and learning of children and youth. Summer session only.  
**EDHD 721 Learning Theory and the Educative Process I** 3 credits; grading method: Reg/Aud  
 0101 MW4-7 Bldg. OO, Rm 0210 Mihaljan, F  
 0201 MW7-10PM Bldg. OO, Rm 2102 Eliot, J  
 Provides a systematic review of the major theories and their impact on education. Considers factors that influence learning.  
**EDHD 789 Internship in Human Development** 3-8 credits; grading method: Reg/Aud  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff  
 Prerequisites: nine credits of human development and consent of instructor. Internship experience in one or more human service agencies in the community. Repeatable to a maximum of nine credits.  
**EDHD 798 Special Problems in Education** 1-6 credits; grading method: Reg/Aud  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff  
 Master's AGS, or doctoral candidates who desire to pursue special research problems under the direction of their advisors may register for credit under this number.

**EDHD cont.**

- EDHD 799 Master's Thesis Research 1-6 credits; grading method: Reg only**  
 0101 Arranged Blg. Arr. Staff  
 0201 Arranged Blg. Arr. Staff
- EDHD 886 Apprenticeship in Education 1-8 credits; grading method: Reg/Aud**  
 0101 Arranged Blg. Arr. Staff  
 0201 Arranged Blg. Arr. Staff
- Apprenticeships in the major area of study are available to selected students whose application for an apprenticeship has been approved by the education faculty. Each apprentice is assigned to work for at least a semester full-time or the equivalent with an appropriate staff member of a cooperating school, school system, or educational institution or agency. The sponsor of the apprentice maintains a close working relationship with the apprentice and the other persons involved. Prerequisites: teaching experience, a master's degree in education, and at least six semester hours in education at the University of Maryland. The total number of credits which a student may earn in EDHD 489, 888 and 889 is limited to a maximum of twenty semester hours.
- EDHD 889 Internship in Education 3-8 credits; grading method: Reg/Aud**  
 0101 Arranged Blg. Arr. Staff  
 0201 Arranged Blg. Arr. Staff
- Internships in the major area of study are available to selected students who have teaching experience. The following groups of students are eligible: (a) any student who has been advanced to candidacy for the doctor's degree; and (b) any student who receives special approval by the education faculty for an internship, provided that prior to taking an internship, such student shall have completed at least 60 semester hours of graduate work, including at least six semester hours in education at the University of Maryland. Each intern is assigned to work on a full-time basis for at least a semester with an appropriate staff member in a cooperating school, school system, or educational institution or agency. The internship must be taken in a school situation different from the one where the student is regularly employed. The intern's sponsor maintains a close working relationship with the intern and the other persons involved. Note: The total number of credits which a student may earn in EDHD 489, 888 and 889 is limited to a maximum of twenty (20) semester hours.
- EDHD 899 Doctoral Dissertation Research 1-8 credits; grading method: Reg only**  
 0101 Arranged Blg. Arr. Staff  
 0201 Arranged Blg. Arr. Staff

## EDIT INDUSTRIAL, TECHNOLOGICAL, AND OCCUPATIONAL EDUCATION (HUM AND COM RES)

- EDIT 101 Mechanical Drawing I 2 credits; grading method: Reg/Aud**  
 0201 MW6-10 Blg. P, Rm. 2229 Chin, 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**  
 0101 TuTh4-10/TuTh4-10 Lec. Blg. P, Rm. 1215 Lab. Blg. P, Rm. 1210 Bradley, D  
 0201 TuTh4-10/TuTh4-10 Lec. Blg. P, Rm. 1215 Lab. Blg. P, Rm. 1210 Bradley, D
- 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/P-F/Aud**  
 0201 MTuWThF 00-10 Lec. Blg. P, Rm. 4633 Ferrin, G
- Prerequisite: consent of instructor. The attainment of the ability to operate the typewriter continuously with reasonable speed and accuracy by the "touch".
- EDIT 121 Mechanical Drawing II 2 credits; grading method: Reg/Aud**  
 0201 MW6-10 Blg. P, Rm. 2229 Chin, R
- Prerequisite: EDIT 101 Working drawings, machine design, pattern making, tracing and reproduction. Detail drawings followed by assemblies.
- EDIT 127 Fundamentals of Electricity/Electronics 3 credits; grading method: Reg/P-F/Aud**  
 0101 MW4-10 Blg. P, Rm. 2202 Carson, D
- 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 (For Applied Design and Housing Students)**  
 0101 MW6-10 Blg. P, Rm. 2108 Chin, R  
 0201 TuTh6-10 Blg. P, Rm. 2108 Chin, R
- Intended for advertising, 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**  
 0101 TuTh4-10/TuTh4-10 Lec. Blg. P, Rm. 1215 Lab. Blg. P, Rm. 1210 Bradley, D  
 0201 TuTh4-10/TuTh4-10 Lec. Blg. P, Rm. 1215 Lab. Blg. P, Rm. 1210 Bradley, D
- Prerequisite: EDIT 102 or equivalent. The development of comprehensive knowledge of machine woodworking with emphasis on mass production practices, specialty cuts, laminating procedures, machine maintenance, and consumer 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 Arranged Blg. Arr. Hunter, A  
 0201 Arranged Blg. Arr. 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 232 Fundamentals of Automotive Technology 3 credits; grading method: Reg/P-F/Aud**  
 0101 MW4-10/MW4-10 Lec. Blg. P, Rm. 2123 Lab. Blg. P, Rm. 1229 Aumiller, L  
 0201 TuTh4-10/TuTh4-10 Lec. Blg. P, Rm. 2123 Lab. Blg. P, Rm. 1229 Aumiller, L  
 0201 MW4-10/MW4-10 Lec. Blg. P, Rm. 2123 Lab. Blg. P, Rm. 1229 Stat. 1229
- 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 MW1-4/MW1-4 Lec. Blg. P, Rm. 2202 Lab. Blg. P, Rm. 2222 Gribbons, W
- Graphic reproduction processes and related areas used to communicate. Offset, letterpress, screen, gravure, engraving, flexographic, photographic 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 MW6-10 Blg. P, Rm. 2229 Chin, R
- Prerequisite: EDIT 101 or equivalent. Practical experience in the design and planning of houses and outbuildings. Working drawings, specifications, and blue-printing.
- EDIT 262 Basic Metal Machining 3 credits; grading method: Reg/P-F/Aud**  
 0101 MTuWThF1-4/MTuWThF1-4 Lec. Blg. P, Rm. 1109 Lab. Blg. P, Rm. 1120 Minty, G
- Prerequisite: EDIT 101 or equivalent. Applications of basic metal cutting operations to mass production including work planning, properties of metals and tool materials, conventional metal machining processes and precision measurements.
- EDIT 324 Organized and Supervised Work Experiences II 3 credits; grading method: Reg only**  
 0201 Arranged Blg. Arr. 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 335 Continuous Tone Photographic Technology 3 credits; grading method: Reg/P-F/Aud**  
 0101 MW4-10/MW4-10 Lec. Blg. P, Rm. 1202 Lab. Blg. P, Rm. 2222 Robo, J  
 0201 MW4-10/MW4-10 Lec. Blg. P, Rm. 1202 Lab. Blg. P, Rm. 2222 Robo, J
- Prerequisite: EDIT 234 or permission of instructor. Theory and techniques pertaining to black-and-white and color light sensitive materials. Emphasis on a study of history, camera, exposure techniques, composition, illumination film processing, contact printing, enlarging, darkroom controls and finishing as related to graphic communications.
- EDIT 350 Methods of Teaching: Trades and Industry Education 3 credits; grading method: Reg/P-F/Aud**  
 0201 MTuWThF8 Blg. P, Rm. 3104 Staff
- Intended for vocational and occupational teachers. The identification and analysis of factors essential to helping others learn, types of teaching situations and techniques; measuring results and grading student progress in shop and related technical subjects.
- EDIT 362 Advanced Metal Machining Processes 3 credits; grading method: Reg/P-F/Aud**  
 0101 MTuWThF1-4/MTuWThF1-4 Lec. Blg. P, Rm. 1109 Lab. Blg. P, Rm. 1120 Minty, G
- Prerequisite: EDIT 262 or equivalent. Experience in complex metal cutting operations; special heat treating processes; special pressure measurements; electrical, chemical and ultrasonic metal removal, and high energy rate forming with experimentation in specialized machining operations.
- EDIT 434 Color Reproduction in Graphic Communications 3 credits; grading method: Reg/P-F/Aud**  
 0101 TuTh4-10/TuTh4-10 Lec. Blg. P, Rm. 2222 Gribbons, W
- Prerequisite: EDIT 334 or equivalent. An advanced course in 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 450 Training Aids Development 3 credits; grading method: Reg/P-F/Aud**  
 0101 TuTh7-10PM Blg. P, Rm. 3225 Beatty, C
- Study of the aids in common use. Sources and applications. Special emphasis on principles to be observed in making aids useful to laboratory teachers. Actual construction and application of aids and devices will be required.
- EDIT 457 Tests and Measurements 3 credits; grading method: Reg/P-F/Aud**  
 0101 MW7-10PM Blg. P, Rm. 3201 Stough, K
- The construction of objective tests for occupational and vocational subjects. Use of measures in domains of learning and examination of test analysis techniques.
- EDIT 460 Design Illustrating II 2 credits; grading method: Reg/P-F/Aud**  
 0201 TuTh7-10 Lec. Blg. P, Rm. 2108 Chin, R
- Prerequisite: EDIT 160. Advanced drawing, rendering, shadow construction, lettering techniques and advanced pictorial representation techniques.
- EDIT 461 Principles of Vocational Guidance 3 credits; grading method: Reg/P-F/Aud**  
 0101 TuTh7-10PM Blg. P, Rm. 3105 Mielus, W
- The underlying principles of guidance and their application to the problems of educational and occupational adjustment of students of all ages.
- EDIT 462 Occupational Analysis and Course Construction 3 credits; grading method: Reg/P-F/Aud**  
 0201 MTuWThF30 Blg. P, Rm. 3104 Harschbach, D  
 0202 MTuWThF30 Blg. P, Rm. 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 TuTh4-10 Blg. P, Rm. 3105 Beatty, C  
 0201 MTuWThF11 Blg. P, Rm. 3105 Harschbach, D
- 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 465 Modern Industry 3 credits; grading method: Reg/P-F/Aud**  
 0101 TuTh4-7 Blg. P, Rm. 3201 Hunter, A
- The manufacturing, service, and extractive industries in American social, economic, and cultural patterns. Representative basic industries studied from the viewpoints of personnel and management organization, industrial relations, production procedures, distribution of products, etc.
- EDIT 467 Problems in Occupational Education 3 credits; grading method: Reg/P-F/Aud**  
 0101 MW4-7 Blg. P, Rm. 3201 Stough, 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 MW1-4 Blg. P, Rm. 3104 Luckenmeyer, J
- The development of vocational education from primitive times to the present with special emphasis given to the vocational education movement with the American program of public education.
- EDIT 474 Organization and Administration of Youth Groups 3 credits; grading method: Reg/P-F/Aud**  
 0101 TuTh7-10PM Blg. P, Rm. 3104 Peters, R
- Principles, practices, and theoretical considerations related to youth organizations as a co-curricular function of the subject areas of industrial arts, business and distributive education, home economics, health occupations and trades and industry.
- EDIT 475 Recent Technological Developments in Products and Processes 3 credits; grading method: Reg/P-F/Aud**  
 0101 MW4-15-7 Blg. P, Rm. 3105 Minty, G
- Recent technological developments as they pertain to the products and processes of industry. The nature of newer product and processes and their effect upon modern industry and/or society.
- EDIT 476 Application of Technology to Social Problems 3 credits; grading method: Reg/P-F/Aud**  
 0101 TuTh7-10 Lec. Blg. P, Rm. 3201 Sullivan, D  
 0102 MW7-10PM Blg. P, Rm. 3104 Sullivan, D
- A study of alternative solutions of a technological nature with respect to such areas as housing, transportation, energy, communications, production, trash and waste disposal, water development, and pollution control.
- EDIT 466 Field Experiences in Marketing and Distributive Education 3 credits; grading method: Reg/P-F/Aud**  
 0101 Arranged Blg. Arr. Anderson, C
- EDIT 488E Selected Topics in Education 2 credits; grading method: Reg only**  
 0201-12 Ju-Ju-22 Lec. Blg. P, Rm. 3201 Ferrin, G  
 0201 MTuWThF10-12-20 Lec. Blg. P, Rm. 3201 Ferrin, G
- Prerequisite: consent of department.
- EDIT 488F Selected Topics in Education 2 credits; grading method: Reg only**  
 0201-25 Ju-Ju-05 Lec. Blg. P, Rm. 3225 Ferrin, G  
 0201 MTuWThF10-12-20 Lec. Blg. P, Rm. 3225 Ferrin, G
- Prerequisite: consent of department.

**EDIT cont.**

EDT 488L	<b>Selected Topics in Education</b> 3 credits; grading method: Reg-P-F:Aud		
0101	TuTh7-10PM	Strategies for Teaching Creative and Critical Thinking Blgd P, Rm. 1202	Hulgent, F
0101	TuTh15-7	Perequisite: consent of department.	Inana, M
EDT 488M	<b>Selected Topics in Education</b> 3 credits; grading method: Reg-P-F:Aud		
0101	TuTh15-7	<b>The Dual Career Family</b> Blgd P, Rm. 1202	Inana, M
0101	TuTh15-7	Perequisite: consent of department.	
EDT 488N	<b>Selected Topics in Education</b> 3 credits; grading method: Reg-P-F:Aud		
0201	MTuWThF9-12	<b>Home Economics for Special Needs</b> 0201-12 Jul-29 Jul	Inana, M
0201	MTuWThF9-12	Perequisite: consent of department.	
EDT 488O	<b>Selected Topics in Education</b> 3 credits; grading method: Reg-P-F:Aud		
0201	MTuWThF9-12	<b>Home Economics Value Reasoning</b> 0201-12 Jul-29 Jul	Hulgent, F
0201	MTuWThF9-12	Perequisite: consent of department.	
EDT 498	<b>Special Problems in Education</b> 1-6 credits; grading method: Reg only		
0101	Arranged	Blgd Arr.	Staff
0201	Arranged	Blgd Arr.	Staff
		Perequisite: Consent of department. Available only to majors who have definite plans for individual study of approved problems. Credit according to extent of work.	
EDT 498B	<b>Special Problems in Education</b> 2-3 credits; grading method: Reg/Aud		
0101	Arranged	Blgd Arr.	Mietus, W
		Perequisite: consent of department. Available only to majors who have definite plans for individual study of approved problems. Credit according to extent of work.	
EDT 498L	<b>Special Problems in Education</b> 1 credit; grading method: Reg only		
0201	Arranged	<b>Career Planning Home Economics</b> Blgd Arr.	Inana, M
		Perequisite: consent of department. Available only to majors who have definite plans for individual study of approved problems. Credit according to extent of work.	
EDT 499D	<b>Workshops, Clinics, and Institutes</b> 1 credit; grading method: Reg only		
0201	Arranged	<b>Workshop in Vocational Education (I &amp; II)</b> Blgd Arr.	Malay, D
EDT 499R	<b>Workshops, Clinics, and Institutes</b> 1-6 credits; grading method: Reg only		
0101	Arranged	<b>Work Experience, Trade Advancement</b> Blgd Arr.	Staff
0201	Arranged	Blgd Arr.	Staff
EDT 600	<b>Administration and Supervision of Business Education</b> 3 credits; grading method: Reg/Aud		
0101	TuTh4-7	Blgd P, Rm. 3104	Peters, R
		Major emphasis on departmental organization and its role in the school program, curriculum, equipment, budget-making, supervision, guidance, placement and follow-up, school-community relationships, qualifications and selection of teaching staff, visual aids, and in-service programs for teacher development. For administrators, supervisors, and teachers.	
EDT 607	<b>Philosophy of Industrial Arts Education</b> 3 credits; grading method: Reg/Aud		
0101	MW7-10PM	Blgd P, Rm. 3225	Luelwimmer, J
		An overview of the development of the industrial arts movement and the philosophical framework upon which it was founded. Special emphasis on contemporary movements in industrial arts and their theoretical foundations.	
EDT 640	<b>Research in Industrial Arts and Vocational Education</b> 1-3 credits; grading method: Reg only		
0101	TuTh4-7	Blgd P, Rm. 3225	Mietus, W
		A seminar for students conducting research in industrial arts, vocational education, and industrial technology.	
EDT 647	<b>Seminar in Industrial Arts and Vocational Education</b> 1-3 credits; grading method: Reg only		
0101	TuTh4-7	Blgd P, Rm. 3225	Mietus, W
		A seminar for students conducting and developing research in industrial arts, vocational education, and industrial technology.	
EDT 796	<b>Special Problems in Education</b> 1-6 credits; grading method: Reg only		
0101	Arranged	Blgd Arr.	Staff
0201	Arranged	Blgd Arr.	Staff
		Perequisite: consent of advisor. Intended for Masters, AGS, or doctoral students in education who desire to pursue a research problem.	
EDT 796B	<b>Special Problems in Education</b> 2-3 credits; grading method: Reg/Aud		
0101	Arranged	<b>Educators in Business and Industry</b> Blgd Arr.	Mietus, W
		Perequisite: consent of advisor. Intended for Masters, AGS, or doctoral students in education who desire to pursue a research problem.	
EDT 796L	<b>Special Problems in Education</b> 1 credit; grading method: Reg only		
0201	Arranged	<b>Career Planning in Home Economics</b> Blgd Arr.	Inana, M
		Perequisite: consent of advisor. Intended for Masters, AGS, or doctoral students in education who desire to pursue a research problem.	
EDT 799	<b>Master's Thesis Research</b> 1-6 credits; grading method: Reg only		
0101	Arranged	Blgd Arr.	Staff
0201	Arranged	Blgd Arr.	Staff
EDT 888	<b>Apprenticeship in Education</b> 1-8 credits; grading method: Reg only		
0101	Arranged	Blgd Arr.	Staff
0201	Arranged	Blgd Arr.	Staff
		Apprenticeships in the major area of study for selected students whose application for an apprenticeship has been approved by the education faculty. Each apprentice is assigned to work for at least a semester full-time or the equivalent with an appropriate staff member of a cooperating school, school system, or educational institution or agency. The sponsor of the apprentice maintains a close working relationship with the apprentice and the other persons involved. Prerequisites: Teaching experience, a Master's degree in education, and at least six semester hours in education at the University of Maryland. The total number of credits which a student may earn in EDT 487, 888, and 889 is limited to a maximum of twenty semester hours.	
EDT 889	<b>Internship in Education</b> 3-8 credits; grading method: Reg only		
0101	Arranged	Blgd Arr.	Staff
0201	Arranged	Blgd Arr.	Staff
		Internships in the major area of study are available to selected students who have teaching experience. The following groups of students are eligible: (a) any student who has been advanced to candidacy for the Doctor's degree, and (b) any student who receives special approval by the education faculty for an internship, provided that prior to taking an internship, such student shall have completed at least 60 semester hours of graduate work, including at least six semester hours in education at the University of Maryland. Each intern is assigned to work on a full-time basis for at least a semester with an appropriate staff member in a cooperating school, school system, or educational institution or agency. The internship must be taken in a total situation different from the one where the student is regularly employed. The intern's sponsor maintains a close working relationship with the intern and the other persons involved. The school number of credits which a student may earn in EDT 489, 888 and 889 is limited to a maximum of twenty (20) semester hours.	
EDT 890	<b>Doctoral Dissertation Research</b> 1-3 credits; grading method: Reg only		
0101	Arranged	Blgd Arr.	Staff

**EDMS****EDUCATION, MEASUREMENT AND STATISTICS (HUM AND COM RES)**

EDMS 451	<b>Introduction to Educational Statistics</b> 3 credits; grading method: Reg-P-F:Aud		
0101	MTuWThF8	Course Meets University Studies Program Advanced Studies Requirement Blgd OO, Rm. 3115	Schafer, W
0201	MTuWThF9-30	Blgd OO, Rm. 3115	Schafer, W
		Designed as a first course in statistics for students in education. Emphasis is upon educational applications of descriptive statistics, including measures of central tendency, variability and association. Also included are inferential statistics through one-way ANOVA.	
EDMS 622	<b>Theory and Practice of Standardized Testing</b> 3 credits; grading method: Reg/Aud		
0201	MTuWThF9-30	Blgd OO, Rm. 2119	Johnson, C
		Perequisite: EDMS 410, 446 or 451. Study groups typically employed in school testing program. Discussion of evidence relating to the measurement of abilities, practice in standardized group test administrations.	
EDMS 645	<b>Quantitative Research Methods I</b> 3 credits; grading method: Reg/Aud		
0101	MTuWTh4-30-6-10	Blgd AS, Rm. 3207	Macready, G
0102	MTuWTh7-8-40PM	Blgd OO, Rm. 1107	Macready, G
0103	MTuWTh30-6-10	Blgd AS, Rm. 3203	Dayton, C
0201	MTuWThF11	Blgd OO, Rm. 2101	Johnson, C
0202	MTuWThF9-30	Blgd OO, Rm. 2101	Coulson, D
		An introduction to research design principles and the scientific method as applied to behavioral phenomena. Instrumentation procedures including the planning and construction of simple data collection instruments and their analysis, and assessment of the reliability and validity of such instruments. Statistical procedures appropriate to the analysis of data from simple research designs. Laboratory experiences in instrumentation and research design emphasized.	
EDMS 646	<b>Quantitative Research Methods II</b> 3 credits; grading method: Reg/Aud		
0101	MTuWTh7-8-40PM	Blgd OO, Rm. 2101	Dayton, C
0201	MTuWThF8	Blgd OO, Rm. 3115	Stunkard, A
		EDMS 446. Special problems arising in the implementation of educational research designs. Instrumentation to measure attitudes and collection of questionnaire data. Additional statistical procedures appropriate to the analysis of education research designs. Laboratory experiences in instrumentation and research design are emphasized.	
EDMS 651	<b>Intermediate Statistics in Education</b> 3 credits; grading method: Reg/Aud		
0201	MTuWThF11	Blgd OO, Rm. 2101	Coulson, D
EDMS 798	<b>Special Problems in Education</b> 1-6 credits; grading method: Reg only		
0101	Arranged	Blgd Arr.	Staff
0201	Arranged	Blgd Arr.	Staff
		Master's, AGS, or doctoral candidates who desire to pursue special research problems under the direction of their advisors may register for credit under this number.	
EDMS 799	<b>Master's Thesis Research</b> 1-6 credits; grading method: Reg only		
0101	Arranged	Blgd Arr.	Staff
0201	Arranged	Blgd Arr.	Staff
EDMS 899	<b>Doctoral Dissertation Research</b> 1-3 credits; grading method: Reg only		
0101	Arranged	Blgd Arr.	Staff
0201	Arranged	Blgd Arr.	Staff

**EDPA****EDUCATION POLICY, PLANNING, AND ADMINISTRATION (HUM AND COM RES)**

EDPA 201	<b>Education in Contemporary American Society</b> 3 credits; grading method: Reg-P-F:Aud		
0101	MW4-7	USP Distributiva Studies (D) Soc and Behavioral Sciences Approved Course Blgd OO, Rm. 3115	Noll, J
		Examination of the relationship between education and the social environment in contemporary American society. Issues of equality or equal opportunity, individual and cultural differences, education outside of schools, the control of education, and the future of education.	
EDPA 301	<b>Foundations of Education</b> 3 credits; grading method: Reg-P-F:Aud		
0101	MW7-10PM	Blgd OO, Rm. 8206	Lindsay, R
0102	TuTh4-7	Blgd OO, Rm. 3115	Hudan, D
0201	MW4-7	Blgd OO, Rm. 2101	Agre, G
		Prerequisites: EDHD 300, completion of at least 90 hours and approval for admission to teacher education. Historical, social, cultural, and philosophical foundations of American education. Considers education as a profession, and the organizational structure, operation and function of modern school systems. Comparative education and contemporary issues are included.	
EDPA 605	<b>Comparative Education</b> 3 credits; grading method: Reg/Aud		
0101	MW4-7	Blgd OO, Rm. 2101	Mala, G
		Analyses and compares leading issues in education in various countries of the world, particularly as they relate to crucial problems in American education.	
EDPA 635	<b>Principles of Curriculum Development</b> 3 credits; grading method: Reg/Aud		
0101	TuTh4-7	Blgd OO, Rm. 2101	Selken, S
		Curriculum planning, improvement, and evaluation in the schools; principles for the selection and organization of the content and learning experiences, ways of working in classroom and school on curriculum improvement.	
EDPA 641	<b>Selection and Evaluation of Instructional Media</b> 3 credits; grading method: Reg/Aud		
0201	TuTh4-7	Blgd OO, Rm. 8206	Spang, A
		Development of criteria for selection and evaluation of instructional materials for classroom, school and system use, includes measures of readability, listenability, visual difficulty, and interest level.	
EDPA 660	<b>Administrative Foundations</b> 3 credits; grading method: Reg/Aud		
0101	MW4-7	Blgd OO, Rm. 2102	Intrigliato, B
		Develops a theoretical and research based structure for the study and practice of administration in the field of education by introducing the student to selected contributors to administration, and by indicating the multidisciplinary nature of administrative study as it relates to purpose-determination, policy-definition, and task-accomplishment.	
EDPA 661	<b>Administrative Behavior and Organizational Management</b> 3 credits; grading method: Reg/Aud		
0201	MW4-7	Blgd OO, Rm. 3115	Goldman, H
		A critical analysis of organizational management (informal and formal dimensions), an assessment of the contributions from other field traditions, and an emerging theory of administrative behavior and the governance of organizations, and an analysis and assessment of the administrator's motivations, perceptions, and sensitivity as determinants of behavior. The theoretical and research bases for these areas and such related concepts as status, role, systems, interpersonal relations, and sensitivity training are examined.	
EDPA 662	<b>Administrative Processes</b> 3 credits; grading method: Reg/Aud		
0201	MW7-10PM	Blgd OO, Rm. 3115	Coley, T
		Develops competence with respect to selected administrative process areas. Examines efforts to develop theories and models in these areas and analyzes research studies and their implications for the administrative process. Develops skill in selected process areas through such techniques as simulation, role-playing, case analysis, and computer-assisted instruction.	
EDPA 663	<b>Policy Formulation in Education</b> 3 credits; grading method: Reg/Aud		
0101	MW7-10PM	Blgd OO, Rm. 2102	Intrigliato, B
		Introduction to education policy at all levels of school governance. Policy formation, administration and evaluation issues are studied. Conceptual and analytical models for the study of policy.	
EDPA 667	<b>Public School Supervision</b> 3 credits; grading method: Reg/Aud		
0101	TuTh7-10PM	Blgd OO, Rm. 3115	Anderson, J
		The nature and functions of supervision, various supervisory techniques and procedures; human relationship factors, and personal qualities for supervision.	

**EDPA cont.**

EDPA 671	Elementary and Secondary School Law	3 credits; grading method: Reg/Aud	
0101	MW7-10PM	Blg. OO, Rm. 0202	Clague, M
EDPA 675	Public School Personnel Administration	3 credits; grading method: Reg/Aud	
0201	TuTh7-10PM	Blg. OO, Rm. 3115	Coley, T
EDPA 676	School Finance and Business Administration	3 credits; grading method: Reg/Aud	
0201	MW4-7	Blg. OO, Rm. 2102	Slater, R
An introduction to principles and practices in the administration of the public school finance activity. Sources of tax revenue, the budget, and the function of finance in the educational program are considered.			
EDPA 766	Child Accounting	2 credits; grading method: Reg/Aud	
0201	MW7-10PM	Blg. OO, Rm. 2101	Slater, R
EDPA 788B	Special Topics in Education Policy and Administration	3 credits; grading method: Reg/Aud	
0101	MW4-7	Blg. OO, Rm. 2203	Berahl, R
Consortia, Regionalism, and Inter-national Cooperation in Higher Education			
EDPA 788C	Special Topics in Education Policy and Administration	3 credits; grading method: Reg/Aud	
0101	TuTh7-10PM	Blg. OO, Rm. 2102	Stephens, E
Characteristics of Effective Principals and Middle Management Personnel			
EDPA 788D	Special Topics in Education Policy and Administration	3 credits; grading method: Reg/Aud	
0101	MW4-7PM	Blg. OO, Rm. 0202	Berman, L
Curriculum Planning for the Future			
EDPA 788E	Special Topics in Education Policy and Administration	3 credits; grading method: Reg/Aud	
0201	MW4-7	Blg. OO, Rm. 0202	Carbone, R
Fundraising for Educational/Nonprofit Organizations			
EDPA 798	Special Problems in Education	1-6 credits; grading method: Reg/Aud	
0101	Arranged	Blg. Arr.	Staff
0201	Arranged	Blg. Arr.	Staff
Master's, AGS, or doctoral candidates who desire to pursue special research problems under the direction of their advisors may register for credit under this number.			
EDPA 798B	Special Problems in Education	1 credit; grading method: Reg/Aud	
0201	MW7-10PM	Blg. OO, Rm. 2101	Slater, R
Child Accounting			
EDPA 799	Master's Thesis Research	1-6 credits; grading method: Reg only	
0101	Arranged	Blg. Arr.	Staff
0201	Arranged	Blg. Arr.	Staff
Master's, AGS, or doctoral candidates who desire to pursue special research problems under the direction of their advisors may register for credit under this number.			
EDPA 809	Research Methods	3 credits; grading method: Reg/Aud	
0201	TuTh4-7	Blg. OO, Rm. 0202	Hopkins, R
Specific methodologies employed in educational studies.			
EDPA 899	Doctoral Dissertation Research	1-8 credits; grading method: Reg only	
0101	Arranged	Blg. Arr.	Staff
0201	Arranged	Blg. Arr.	Staff

**EDSP (HUM AND COM RES)**

**EDUCATION, SPECIAL**

EDSP 420	Developmental and Behavioral Characteristics of Nonhandicapped and Handicapped Infants	3 credits; grading method: Reg/P-F/Aud	
0201	TuTh4-7	Blg. OO, Rm. 2102	Beckman, P
Corquisite: EDSP 421 Study of the developmental, behavioral, and learning characteristics of nonhandicapped and handicapped infants and young preschool children. Divergent and parallel patterns of development among the respective groups of children. Enrollment limited to students admitted to early childhood special education area of specialization.			
EDSP 423	Psychoeducational Assessment of Preschool Handicapped Children	3 credits; grading method: Reg/P-F/Aud	
0101	TuTh4-7	Blg. OO, Rm. 0206	Leifer, J
Prerequisite: EDSP 420. Corquisite: EDSP 422 and EDSP 424. Current psychoeducational assessment and evaluation procedures used with profoundly to moderately handicapped infants and young preschool children. Psychometric, criterion-referenced, developmental, checklist, and automated and ecological assessment procedures. Administration of selected assessment instruments.			
EDSP 430	Intervention Strategies and Techniques for Preschool Handicapped Children (Severe to Moderate, Birth-6 Years)	3 credits; grading method: Reg/P-F/Aud	
0201	MW7-10PM	Blg. OO, Rm. 1107	Beckman, P
Prerequisite: EDSP 423. Corquisites: EDSP 431 and EDSP 401. Current approaches to the psychoeducational treatment of preschool severely to moderately handicapped children. Emphasis on multi-dimensional approach to intervention with handicapped preschoolers.			
EDSP 443	Assessment and Instructional Design for the Educationally Handicapped: Reading and Written Communication Disorders	4 credits; grading method: Reg/P-F/Aud	
0101	MW7-10PM	Blg. OO, Rm. 1121	Graham, S
Prerequisite: EDSP 441, pre- or corequisite: EDSP 443 and EDSP 445. Characteristics and assessments of individuals with reading and written communication disorders at elementary to secondary levels, and methods of teaching reading and written language skills to such individuals. Adaptation of regular instructional methods and curricula. Curricula and strategies designed specifically for educationally handicapped individuals.			
EDSP 470	Introduction to Special Education	3 credits; grading method: Reg/P-F/Aud	
0201	MW4-7	Blg. OO, Rm. 0206	Cook, J
Prerequisite: EDSP 288. Designed to give an understanding of the needs of all types of exceptional children. Stressing preventive and remedial measures.			
EDSP 475	Education of the Slow Learner	3 credits; grading method: Reg/P-F/Aud	
0101	TuTh7-10PM	Blg. OO, Rm. 0202	Sedman, E
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/P-F/Aud	
0101	TuTh4-7	Blg. OO, Rm. 0210	Graham, S
Prerequisite: EDSP 470 or equivalent. Studies the diagnosis, etiology, physical, social, and emotional characteristics of exceptional children.			

**EDSP cont.**

EDSP 482A	Education of Exceptional Children: Perceptual Learning Problems	3 credits; grading method: Reg/P-F/Aud	
0201	TuTh7-10PM	Blg. OO, Rm. 2102	Cook, J
Not Open to Undergraduate Special Education Majors			
Prerequisite: EDSP 491 or equivalent. Offers practical and specific methods of teaching exceptional children. Selected observation of actual teaching may be arranged.			
EDSP 499M	Workshops, Clinics, and Institutes in Special Education	3 credits; grading method: Reg/P-F/Aud	
0101	TuTh4-15-7	Blg. OO, Rm. 1107	Deninger, C
Fundamentals of Spelling/Language I			
EDSP 600	Exceptional Children and Youth	3 credits; grading method: Reg/Aud	
0101	MW4-7	Blg. OO, Rm. 2119	Simms, B
EDSP 798	Special Problems in Teacher Education	1-6 credits; grading method: Reg/Aud	
0101	Arranged	Blg. Arr.	Staff
0201	Arranged	Blg. Arr.	Staff
Prerequisite: consent of advisor. Intended for Masters, AGS, or doctoral students in education who desire to pursue a research problem.			
EDSP 799	Master's Thesis Research	1-6 credits; grading method: Reg only	
0101	Arranged	Blg. Arr.	Staff
0201	Arranged	Blg. Arr.	Staff
EDSP 888	Apprenticeship in Special Education	1-8 credits; grading method: Reg/Aud	
0101	Arranged	Blg. Arr.	Staff
0201	Arranged	Blg. Arr.	Staff
EDSP 889	Internship in Special Education	3-8 credits; grading method: Reg/Aud	
0101	Arranged	Blg. Arr.	Staff
0201	Arranged	Blg. Arr.	Staff
Internships in the major area of study are available to selected students who have teaching experience. The following groups of students are eligible: (a) any student who has been advanced to candidacy for the Doctor's degree; and (b) any student who receives special approval by the Education faculty for an internship, provided that prior to taking an internship, such student shall have completed at least 60 semester hours of graduate work, including at least six semester hours in education at the University of Maryland. Each intern is assigned to work on a full-time basis for at least a semester with an appropriate staff member in a cooperating school, school system, or educational institution or agency. The internship must be taken in a school situation different from the one where the student is regularly employed. The intern's sponsor maintains a close working relationship with the item and the other persons involved.			
EDSP 899	Doctoral Dissertation Research	1-8 credits; grading method: Reg only	
0101	Arranged	Blg. Arr.	Staff
0201	Arranged	Blg. Arr.	Staff

**ENAE ENGINEERING, AEROSPACE (MATH AND PHY SCI AND ENG)**

ENAE 488	Topics in Aerospace Engineering	1-4 credits; grading method: Reg/P-F/Aud	
0101	Arranged	Blg. Arr.	Staff
0201	Arranged	Blg. Arr.	Staff
Technical elective taken with the permission of the student's advisor and instructor. Lecture and conference courses designed to extend the student's understanding of aerospace engineering. Current topics are emphasized.			
ENAE 499	Elective Research	1-3 credits; grading method: Reg/P-F/Aud	
0101	Arranged	Blg. Arr.	Staff
0201	Arranged	Blg. Arr.	Staff
May be repeated to a maximum of three credits. Elective for seniors in aerospace engineering with permission of the student's advisor and the instructor. Original research projects terminating in a written report.			
ENAE 788	Selected Topics in Aerospace Engineering	1-3 credits; grading method: Reg/Aud	
0101	Arranged	Blg. Arr.	Staff
0201	Arranged	Blg. Arr.	Staff
ENAE 799	Master's Thesis Research	1-6 credits; grading method: Reg only	
0101	Arranged	Blg. Arr.	Staff
0201	Arranged	Blg. Arr.	Staff
ENAE 899	Doctoral Dissertation Research	1-8 credits; grading method: Reg only	
0101	Arranged	Blg. Arr.	Staff
0201	Arranged	Blg. Arr.	Staff

**ENAG ENGINEERING, AGRICULTURAL (AG AND LIFE SCI)**

ENAG 489	Special Problems in Agricultural Engineering	1-3 credits; grading method: Reg/P-F/Aud	
0101	Arranged	Blg. Arr.	Staff
0201	Arranged	Blg. Arr.	Staff
Prerequisite: approval of department. Student will select an engineering problem and prepare a technical report. The problem may include design, experimentation, and/or data analysis.			
ENAG 499	Special Problems in Agricultural Engineering Technology	1-3 credits; grading method: Reg/P-F/Aud	
0101	Arranged	Blg. Arr.	Staff
0201	Arranged	Blg. Arr.	Staff
Prerequisite: approval of department. Not acceptable for majors in agricultural engineering. Problems assigned in proportion to credit.			
ENAG 699	Special Problems in Agricultural and Aquacultural Engineering	1-6 credits; grading method: Reg/Aud	
0101	Arranged	Blg. Arr.	Staff
0201	Arranged	Blg. Arr.	Staff
ENAG 799	Master's Thesis Research	1-6 credits; grading method: Reg only	
0101	Arranged	Blg. Arr.	Staff
0201	Arranged	Blg. Arr.	Staff
ENAG 899	Doctoral Dissertation Research	1-8 credits; grading method: Reg only	
0101	Arranged	Blg. Arr.	Staff
0201	Arranged	Blg. Arr.	Staff

**ENCE ENGINEERING, CIVIL (MATH AND PHY SCI AND ENG)**

ENCE 280	Engineering Survey Measurements	3 credits; grading method: Reg/P-F/Aud	
0101	TuWTh11TuTh2-4:30	Lab. Bldg. Y, Rm. 1313/ Lab. Bldg. Y, Rm. 1313	Staff
Two lectures and one laboratory per week. Prerequisite: MATH 141 or concurrent registration. Standards, units, calibration, measurement of distance, elevation, angles, systematic and random error analysis in measurements, fundamentals of mapping, instrumentation.			
ENCE 300	Fundamentals of Engineering Materials	3 credits; grading method: Reg/P-F/Aud	
0101	TuWTh9:30W2-4:30	Lab. Bldg. Y, Rm. 1313	Staff
Prerequisite: ENES 220 or concurrent registration. Properties and constitution of the principal materials used in civil engineering. Laboratory tests for these properties, interpretation of test results and of specifications.			



**ENCE cont.**

- ENCE 340 Fundamentals of Soil Mechanics** 3 credits; grading method: Reg-P-F/Aud  
 0101 MTUWTHF30 Bldg. U, Rm. 2136 Goodings, D  
 Prerequisite: ENES 220. Introductory study of soils in civil engineering. Soil origin, phase relationships and classification schemes. Soil hydraulics: capillary, effective stress, frost, permeability and seepage considerations. Basic stress distribution theories are introduced in conjunction with soil consolidation-settlement analysis. Integration of shear strength evaluation with slope stability analysis.
- ENCE 350 Structural Analysis and Design I** 3 credits; grading method: Reg-P-F/Aud  
 0101 MTUWTHF11 Bldg. U, Rm. 2110 Garber Jr., D  
 Prerequisites: ENES 220 and concurrent registration in ENCE 300. Methods of analysis of statically determinate structures for fixed and moving loads. Equilibrium, influence lines, stability. Structural design of steel buildings and bridges, including design of tension members, beams, columns, trusses, and welded, bolted, and riveted connections.
- ENCE 370 Fundamentals of Transportation Engineering** 3 credits; grading method: Reg-P-F/Aud  
 0101 MTUWTHF12.30 Bldg. U, Rm. 2136 Staff  
 Prerequisite: ENCE 280. Engineering problems of transportation by airways, highways, pipelines, railways, and waterways. Elementary dynamics of traffic and function consideration of routes and terminals.
- ENCE 489 Special Problems** 3 credits; grading method: Reg-P-F/Aud  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff  
 Prerequisite: senior standing. A course arranged to meet the needs of exceptionally well prepared students for study in a particular field of civil engineering.
- ENCE 688 Advanced Topics in Civil Engineering** 1-3 credits; grading method: Reg/Aud  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff  
 Prerequisite: permission of instructor. Advanced topics selected by the faculty from the current literature of civil engineering to suit the needs and background of students. May be taken for repeated credit when identified by topic title.
- ENCE 799 Master's Thesis Research** 1-6 credits; grading method: Reg only  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff
- ENCE 899 Doctoral Dissertation Research** 1-8 credits; grading method: Reg only  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff

**ENCH ENGINEERING, CHEMICAL (MATH AND PHY SCI AND ENG)**

- ENCH 215 Chemical Engineering Analysis** 3 credits; grading method: Reg-P-F/Aud  
 0101 MTUWTHF30 Bldg. U, Rm. 2110 Regan, T  
 0102 MTUWTHF11 Bldg. U, Rm. 2145 Staff  
 Prerequisite: CHEM 104. Pre- or corequisite: 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 computer methods.
- ENCH 280 Transport Processes I: Fluid Mechanics** 2 credits; grading method: Reg-P-F/Aud  
 0201 MTUWTHF8 Bldg. U, Rm. 2108 Finger, S  
 0202 MTUWTHF9.30 Bldg. U, Rm. 2140 Staff  
 Pre- or corequisite: 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 300 Chemical Process Thermodynamics** 3 credits; grading method: Reg-P-F/Aud  
 0101 MTUWTHF8 Bldg. U, Rm. 2108 Finger, S  
 Prerequisites: CHEM 203, ENCH 215, MATH 241. Principles of thermodynamics and their application to engineering problems. First and second laws of thermodynamics, properties of gases, liquids and solids, phase equilibrium, flow and non-flow systems, energy conversion, production of work from heat, thermodynamic analysis of processes, equilibrium state operations and the thermodynamics of chemically reaction systems.
- ENCH 425 Transport Processes II: Heat Transfer** 3 credits; grading method: Reg-P-F/Aud  
 0101 MTUWTHF9.30 Bldg. U, Rm. 2108 Gomezplata, A  
 Prerequisite: MATH 246. Pre- or corequisite: ENCH 280. Steady and unsteady state conduction, convective heat transfer, radiation, design of condensers, heat exchanger, evaporators, and other types of heat transfer equipment.
- ENCH 427 Transport Processes III: Mass Transfer** 3 credits; grading method: Reg-P-F/Aud  
 0201 MTUWTHF2 Bldg. U, Rm. 2108 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 Arranged Bldg. Arr. Staff  
 0102 Arranged Bldg. Arr. 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 MTUWTHF11 Bldg. U, Rm. 2140 Smith, T  
 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 MTUWTHF3.30 Bldg. U, Rm. 2108 Smith, T  
 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 488 Research** 1-3 credits; grading method: Reg-P-F/Aud  
 (Section 0101: Instructors: Smith, Gomezplata, A)  
 (Section 0201: Smith, Gomezplata, A)  
 0101 Arranged Bldg. Arr. Gomezplata, A  
 0201 Arranged Bldg. Arr. Smith, T  
 Prerequisite: Permission of the instructor. Investigation of a research project under the direction of a faculty member. Comprehensive reports are required. Repeatable to a maximum of six credits.
- ENCH 648 Special Problems in Chemical Engineering** 1-1 credits; grading method: Reg/Aud  
 0101 Arranged Bldg. Arr. Gomezplata, A  
 0201 Arranged Bldg. Arr. Smith, T
- ENCH 799 Master's Thesis Research** 1-6 credits; grading method: Reg only  
 0101 Arranged Bldg. Arr. Gomezplata, A  
 0201 Arranged Bldg. Arr. Smith, T
- ENCH 899 Doctoral Dissertation Research** 1-8 credits; grading method: Reg only  
 0101 Arranged Bldg. Arr. Gomezplata, A  
 0201 Arranged Bldg. Arr. Smith, T

**ENCO ENGINEERING, COOPERATIVE EDUCATION (MATH AND PHY SCI AND ENG)**

- ENCO 408 Co-Op Internship** 0 credits; grading method: P-F only  
 0101 Arranged Bldg. Arr. Blair, D  
 Prerequisite: internship in industry of government agency provides the practical work experiences which supplement and enhance the theories, principles and practices in the normal educational program. The student should register for ENCO 408 for each summer internship. He should register for both ENCO 408 and ENCO 409 for each semester internship.

**ENEE ENGINEERING, ELECTRICAL (MATH AND PHY SCI AND ENG)**

- ENEE 204 Systems and Circuits I** 3 credits; grading method: Reg-P-F/Aud  
 0101-01 Jun-21 Jul Bldg. ULB, Rm. 0123 Staff  
 0102-01 Jun-21 Jul Bldg. TNG, Rm. 1100 Staff  
 0103-01 Jun-21 Jul Bldg. Y, Rm. 0409 Staff  
 Prerequisite: MATH 141. Required of sophomores in electrical engineering. Kirchhoff's laws, linear, nonlinear, and time-varying elements of systems and circuits. 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  
 0101-01 Jun-21 Jul Bldg. TNG, Rm. 1200 Staff  
 0102-01 Jun-21 Jul Bldg. TNG, Rm. 1100 Staff  
 0103-01 Jun-21 Jul Bldg. TNG, Rm. 1100 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 run); introduction to system 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  
 0101-01 Jun-21 Jul Bldg. TNG, Rm. 1300 Staff  
 0102-01 Jun-21 Jul Bldg. TNG, Rm. 1100 Staff  
 0103-01 Jun-21 Jul Bldg. ULB, Rm. 0123 Staff  
 Prerequisites: MATH 241, PHYS 263. Corequisite: ENEE 301. Required of aerospace, mechanical and chemical engineers. Not applicable in the electrical engineering major program. Acceptable as prerequisite for some advanced ENEE courses. Analysis of linear systems, introduction to Laplace transforms, steady-state A-C transients, introduction to the concepts of electromagnetic fields and electric machines.
- ENEE 301 Electrical Engineering Laboratory I** credit; grading method: Reg-P-F/Aud  
 0101-01 Jun-21 Jul Bldg. S, Rm. 0109 Staff  
 0102-01 Jun-21 Jul Bldg. S, Rm. 0109 Staff  
 Prerequisites: ENEE 300. Experiments on the transient and steady-state response of linear circuits, electric machines, electron tubes and semiconductor devices.
- ENEE 314 Electronic Circuits** 3 credits; grading method: Reg-P-F/Aud  
 0101-01 Jun-21 Jul Bldg. TNG, Rm. 1300 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 324 Engineering Probability** 3 credits; grading method: Reg-P-F/Aud  
 0101-01 Jun-21 Jul Bldg. TNE, Rm. 1300 Staff  
 Prerequisite: ENEE 322. Assumptions of probability; conditional probability and Bayes' rules; random variables; probability distribution and densities; functions of random variables; weak law of large numbers and central limit theorem. Introduction to random processes; correlation functions, spectral densities, and linear systems. Applications to noise in electrical systems, filtering of signals from noise, estimation, and digital communications.
- ENEE 380 Electromagnetic Theory** 3 credits; grading method: Reg-P-F/Aud  
 0101-01 Jun-21 Jul Bldg. TNG, Rm. 1300 Staff  
 Prerequisites: MATH 241 and PHYS 263. Introduction to electromagnetic fields, Coulomb's law, Gauss's law, electrical potential, dielectric materials capacitance, boundary value problems, Biot-Savart law, Ampere's law, Lorentz force equation, magnetic materials, magnetic circuits, inductance, time varying fields and Maxwell's equations.
- ENEE 413 Electronics Laboratory 2** credits; grading method: Reg-P-F/Aud  
 0101-01 Jun-21 Jul Bldg. S, Rm. 1133 Lab. Bldg. S, Rm. 0127 Staff  
 0102-01 Jun-21 Jul Bldg. S, Rm. 1133 Lab. Bldg. S, Rm. 0127 Staff  
 Corequisite: ENEE 314. Provides experience in 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 pulse circuits.
- ENEE 418 Projects in Electrical Engineering** 1-3 credits; grading method: Reg-P-F/Aud  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff  
 Hours to be arranged. Prerequisites: Senior standing and permission of the instructor. May be taken for repeated credit up to a total of 4 credits, with the permission of the student's advisor and the instructor. Theoretical and experimental projects.
- ENEE 419 Apprenticeship in Electrical Engineering** 2-3 credits; grading method: Reg-P-F/Aud  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff  
 Hours to be arranged. Prerequisite: completion of sophomore courses and permission of an apprenticeship director. May be taken for repeated credit up to a total of nine credits. A unique opportunity for experience in experimental research and engineering design. A few highly qualified students will be selected as apprentices in one of the research facilities of the electrical engineering department and will participate in the current research under the supervision of the laboratory director. In the past, apprenticeships have been available in the following laboratories: biomedical electron x-ray accelerator, gas laser, integrated circuits, simulation and computer, and solid state laser.
- ENEE 444 Logic Design of Digital Systems** 3 credits; grading method: Reg-P-F/Aud  
 0101-01 Jun-21 Jul Bldg. TNG, Rm. 1200 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 centered simplification algorithms; state assignment, partition techniques; sequential system decompositions.

**ENEE cont.**

ENEE 446	Digital Computer Design 3 credits; grading method: Reg only		
0101	01 Jun-21 Jul	Bldg. TNG, Rm. 1100	Staff
0101	MTUWThF9-30	Bldg. TNG, Rm. 1100	Staff
0101	MTUWThF9-30	Bldg. TNG, Rm. 1100	Staff
0101	MTUWThF9-30	Bldg. TNG, Rm. 1100	Staff
ENEE 608G	Graduate Seminar 1-3 credits; grading method: Reg/Aud		
0201	Arranged	Bldg. Arr.	Staff
0201	Arranged	Bldg. Arr.	Staff
ENEE 799	Master's Thesis Research 1-6 credits; grading method: Reg only		
0101	Arranged	Bldg. Arr.	Staff
0201	Arranged	Bldg. Arr.	Staff
ENEE 899	Doctoral Dissertation Research 1-8 credits; grading method: Reg only		
0101	Arranged	Bldg. Arr.	Staff
0201	Arranged	Bldg. Arr.	Staff

**ENES**

**ENGINEERING SCIENCE (MATH AND PHY SCI AND ENG)**

ENES 101	Introductory Engineering Science 3 credits; grading method: Reg/P-F/Aud		
0101	MTUWThF7-40-9:20AM	Bldg Z, Rm. 1218	Staff
0102	MTUWThF7-40-9:20AM	Bldg Z, Rm. 1218	Staff
0201	MTUWThF7-40-9:20AM	Bldg Z, Rm. 1410	Staff
0202	MTUWThF7-40-9:20AM	Bldg Z, Rm. 1410	Staff
ENES 101A	Introductory Engineering Science 3 credits; grading method: Reg/P-F/Aud Limited to Students in Women in Engineering Program		
0201	MWTFB-9:20 TuThF9-30-11	Bldg U, Rm. 2145	Staff
ENES 101C	Introductory Engineering Science 3 credits; grading method: Reg/P-F/Aud (Minorities Only)		
0201	MW9:30-12 TuThF11:30-12:50	Bldg U, Rm. 2110	Staff
ENES 110	Statics 3 credits; grading method: Reg/P-F/Aud		
0101	MTUWThF10MWTF9 Lec. Bldg. AR, Rm. 0112; Lab. Bldg. AR, Rm. 0112	Welston Jr, W	
0102	MTUWThF10MWTF9 Lec. Bldg. AR, Rm. 0112; Lab. Bldg. AR, Rm. 0112	Welston Jr, W	
0201	MTUWThF10MWTF9 Lec. Bldg. AR, Rm. 0112; Lab. Bldg. AR, Rm. 0112	Welston Jr, W	
0202	MTUWThF10MWTF9 Lec. Bldg. AR, Rm. 0112; Lab. Bldg. AR, Rm. 0112	Welston Jr, W	
ENES 121A	The Man Made World 3 credits; grading method: Reg/P-F/Aud USP Distributive Studies (B) Nat Sciences and Mathematics Approved Course Limited to Students in Women in Engineering Program		
0201	MW3:30-11:15	Bldg U, Rm. 2145	Staff
ENES 121C	The Man Made World 3 credits; grading method: Reg/P-F/Aud USP Distributive Studies (B) Nat Sciences and Mathematics Approved Course (Minorities Only)		
0201	TuThF9:30-11:15	Bldg U, Rm. 2110	Staff
ENES 220	Mechanics of Materials 3 credits; grading method: Reg/P-F/Aud		
0101	MTUWThF8	Bldg TNG, Rm. 1400	Garber Jr, D
0102	MTUWThF8	Bldg U, Rm. 2140	Garber Jr, D
0102	MTUWThF8	Bldg U, Rm. 2140	Garber Jr, D
ENES 221	Dynamics 3 credits; grading method: Reg/P-F/Aud		
0101	MTUWThF8MWTF9 Lec. Bldg. AR, Rm. 0112; Lab. Bldg. AR, Rm. 0105	Walston Jr, W	
0102	MTUWThF8MWTF9 Lec. Bldg. AR, Rm. 0112; Lab. Bldg. AR, Rm. 0108	Walston Jr, W	
0102	MTUWThF8MWTF9 Lec. Bldg. AR, Rm. 0112; Lab. Bldg. AR, Rm. 0108	Walston Jr, W	
ENES 240	Engineering Computation 3 credits; grading method: Reg/P-F/Aud		
0101	01 Jun-21 Jul	Bldg. TNG, Rm. 1200	Staff
0101	MTUWThF11	Bldg. TNG, Rm. 1400	Staff
0102	MTUWThF11	Bldg. TNG, Rm. 1400	Staff
ENES 405	Power and the Environment 3 credits; grading method: Reg/P-F/Aud		
0101	MTUWThF11	Bldg U, Rm. 2108	Regan, T

**ENGLISH (ARTS AND HUM)**

ENGL 101	Introduction to Writing 3 credits; grading method: Reg only		
0101	MTUWThF8	Bldg. RR, Rm. 0103	Fry, G
0102	MTUWThF9-30	Bldg. RR, Rm. 0103	Manconi Jr, J
0103	MTUWThF9-30	Bldg. RR, Rm. 0120	Yoan, J
0104	MTUWThF11	Bldg. RR, Rm. 0121	Van Edmond, P
0201	MTUWThF8	Bldg. A, Rm. 0103	Staff

**ENGL cont.**

0202	MTUWThF9-30	Bldg. SSB, Rm. 1220	Demaree, C
0203	MTUWThF9-30	Bldg. NN, Rm. 0135	Longenecker, D
0204	MTUWThF11	Bldg. NN, Rm. 0131	Greenwood, D
ENGL 101X	Introduction to Writing 3 credits; grading method: Reg only		
0101	01 Jun-12 Aug	Bldg. A, Rm. 0110	Staff
0102	01 Jun-12 Aug	Bldg. A, Rm. 0110	Staff
0101	MWF11-12:30	Bldg. LL, Rm. 1215	Staff
0102	MWF11-12:30	Bldg. LL, Rm. 0208	Staff
ENGL 201	World Literature 3 credits; grading method: Reg/P-F/Aud USP Distributive Studies (C) Literature and Arts Approved Course		
0201	MTUWThF8	Bldg. A, Rm. 0110	Staff
ENGL 222	American Literature: 1865 to Present 3 credits; grading method: Reg/P-F/Aud USP Distributive Studies (C) Literature and Arts Approved Course		
0101	MTUWThF9-30	Bldg. RR, Rm. 0128	Lawson, L
ENGL 241	Introduction to the Novel 3 credits; grading method: Reg/P-F/Aud USP Distributive Studies (C) Literature and Arts Approved Course		
0201	MTUWThF9-30	Bldg. RR, Rm. 0126	Peterson, W
ENGL 246	The Short Story 3 credits; grading method: Reg/P-F/Aud USP Distributive Studies (C) Literature and Arts Approved Course		
0101	MTUWThF11	Bldg. RR, Rm. 0119	Isaacs, N
0102	MTUWThF11	Bldg. LL, Rm. 1224	Birdsall, E
ENGL 294	Introduction to Creative Writing 3 credits; grading method: Reg/P-F/Aud		
0101	MTUWThF11	Bldg. Q, Rm. 2100	Selamence, J
ENGL 301	Critical Methods in the Study of Literature 3 credits; grading method: Reg/P-F/Aud USP Distributive Studies (C) Literature and Arts Approved Course		
0201	MTUWThF8	Bldg. RR, Rm. 0117	Hamilton, G
ENGL 345	Twentieth Century Poetry 3 credits; grading method: Reg/P-F/Aud USP Distributive Studies (C) Literature and Arts Approved Course		
0101	MTUWThF8	Bldg. RR, Rm. 0121	Whitmore, E
ENGL 378	Independent Research in English 1-6 credits; grading method: Reg/P-F		
0101	Arranged	Bldg. Arr.	Staff
0102	Arranged	Bldg. Arr.	Staff
ENGL 379E	Special Topics in Literature 3 credits; grading method: Reg/P-F/Aud An American Epic; the Film Western 1946-1971		
0101	TuThF9:30-10	Bldg. RR, Rm. 0106	Miller, J
ENGL 379F	Special Topics in Literature 3 credits; grading method: Reg/P-F/Aud Method and the Existential Crisis; The American Novel and Hitchcock		
0201	TuThF9:30-10PM	Bldg. RR, Rm. 0106	Miller, J
ENGL 379R	Special Topics in Literature 3 credits; grading method: Reg/P-F/Aud Different Views of the Chesapeake Bay Course Meets University Studies Program Advanced Studies Requirement. Prerequisite: Two Lower Level English Courses		
0201	MTUWThF11	Bldg. RR, Rm. 0121	Wilson, G
ENGL 388	Field Work 6 credits; grading method: Reg only Registration by Permission Only		
0101	Arranged	Bldg. Arr.	Styers, B
ENGL 391	Advanced Composition 3 credits; grading method: Reg only		
0101	MTUWThF8	Bldg. RR, Rm. 0125	Robinson, J
0102	MTUWThF8	Bldg. RR, Rm. 0103	Pearson, B
0103	MTUWThF9-30	Bldg. RR, Rm. 0119	Myers, R
0104	MTUWThF9-30	Bldg. Q, Rm. 2100	Cate, G
0105	MTUWThF11	Bldg. Q, Rm. 1136	Howard, J
0201	MTUWThF8	Bldg. RR, Rm. 0121	Brown, S
0202	MTUWThF9-30	Bldg. RR, Rm. 0119	James, E
0203	MTUWThF9-30	Bldg. RR, Rm. 0117	Casarmelo, C
0204	MTUWThF11	Bldg. RR, Rm. 0119	Cedes, L
ENGL 391X	Advanced Composition 3 credits; grading method: Reg only For Students For Whom English Is a Second Language		
0101	01 Jun-12 Aug	Bldg. A, Rm. 2103	Staff
0101	MWF11-12:30	Bldg. A, Rm. 2103	Staff
ENGL 393	Technical Writing 3 credits; grading method: Reg only		
0101	MTUWThF8	Bldg. RR, Rm. 0124	Lairwend, T
0102	MTUWThF8	Bldg. Q, Rm. 2100	Smith, N
0103	MTUWThF9-30	Bldg. RR, Rm. 0123	Smith, G
0105	MTUWThF9-30	Bldg. Q, Rm. 1136	Smith, G
0106	MTUWThF11	Bldg. ULB, Rm. 1120	Hendelmen, S
0107	MTUWThF11	Bldg. AR, Rm. 0120	Dungey, K
0201	MTUWThF8	Bldg. NN, Rm. 0131	Staff
0202	MTUWThF8	Bldg. AR, Rm. 0120	Staff
0203	MTUWThF9-30	Bldg. RR, Rm. 0121	Sleater, W
0204	MTUWThF9-30	Bldg. AR, Rm. 0120	Staff
0205	MTUWThF11	Bldg. AR, Rm. 0118	Staff
ENGL 393X	Technical Writing 3 credits; grading method: Reg only For Students For Whom English Is a Second Language		
0101	MWF11-12:30	Bldg. A, Rm. 2108	Seidel, K

**ENGL cont.**

<b>ENGL 435 American Poetry: Beginning to the Present</b> 3 credits; grading method: Reg/P-F/Aud			
0201	MTuWThF9 30	Bldg. A, Rm. 0103	Holton, W
<b>ENGL 438A Major American Writers</b> 3 credits; grading method: Reg/P-F/Aud			
0101	MTuWThF11	Bldg. RR, Rm. 0117	Hovey, R
<b>ENGL 454 Modern Drama</b> 3 credits; grading method: Reg/P-F/Aud			
0101	MTuWThF9 30	Bldg. AR, Rm. 0120	Freedman, M
<b>ENGL 457 The Modern Novel</b> 3 credits; grading method: Reg/P-F/Aud			
0201	MTuWThF11	Bldg. RR, Rm. 0117	Kiene, D
<b>ENGL 466 Arthurian Legend</b> 3 credits; grading method: Reg/P-F/Aud			
0101	MTuWThF11	Bldg. RR, Rm. 0120	Herman, H
Development of the Arthurian legend of heroism and love in English literature from medieval to modern times.			
<b>ENGL 699 Independent Study</b> 1-3 credits; grading method: Reg/Aud			
0101	Arranged	Bldg. Arr	Staff
0201	Arranged	Bldg. Arr	Staff
Prerequisite: Departmental approval of research project and consent of the instructor			
<b>ENGL 749 Studies in Twentieth-Century Literature</b> 3 credits; grading method: Reg/Aud			
02 June-21 July			
By Permission Only			
0101	TuTh7-9:30	Bldg. RR, Rm. 0121	Russell, J
<b>ENGL 799 Master's Thesis Research</b> 1-6 credits; grading method: Reg only			
0101	Arranged	Bldg. Arr	Staff
0201	Arranged	Bldg. Arr	Staff
<b>ENGL 899 Doctoral Dissertation Research</b> 1-8 credits; grading method: Reg only			
0101	Arranged	Bldg. Arr	Staff
0201	Arranged	Bldg. Arr	Staff

**ENMA**

**ENGINEERING, MATERIALS (MATH AND PHY SCI AND ENG)**

<b>ENMA 698 Special Problems in Engineering Materials</b> 1-1 credits; grading method: Reg/Aud			
0101	Arranged	Bldg. Arr	Arsenault, R
0201	Arranged	Bldg. Arr	Arsenault, R
<b>ENMA 799 Master's Thesis Research</b> 1-6 credits; grading method: Reg only			
0101	Arranged	Bldg. Arr	Arsenault, R
0201	Arranged	Bldg. Arr	Arsenault, R
<b>ENMA 899 Doctoral Dissertation Research</b> 1-8 credits; grading method: Reg only			
0101	Arranged	Bldg. Arr	Arsenault, R
0201	Arranged	Bldg. Arr	Arsenault, R

**ENME**

**ENGINEERING, MECHANICAL (MATH AND PHY SCI AND ENG)**

<b>ENME 217 Thermodynamics</b> 3 credits; grading method: Reg/P-F/Aud			
0101	MTuWThF8	Bldg. AR, Rm. 0106	Marks, C
0102	MTuWThF8	Bldg. ULB, Rm. 1112	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.			
<b>ENME 315 Intermediate Thermodynamics</b> 3 credits; grading method: Reg/P-F/Aud			
0101	MTuWThF9 30	Bldg. ULB, Rm. 1112	Talaat, M
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.			
<b>ENME 321 Transfer Processes</b> 3 credits; grading method: Reg/P-F/Aud			
0101	MTuWThF11	Bldg. ULB, Rm. 1112	Marks, C
Prerequisite: ENME 342. Conduction by steady state and transient heat flow, laminar and turbulent flow, free and forced convection, radiation, evaporation and condensation vapors. Transfer of mass, heat and momentum.			
<b>ENME 342 Fluid Mechanics I</b> 3 credits; grading method: Reg/P-F/Aud			
0101	MTuWThF8	Bldg. AR, Rm. 0116	Staff
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.			
<b>ENME 400 Machine Design</b> 3 credits; grading method: Reg/P-F/Aud			
0101	MTuThF8	Bldg. AR, Rm. 0117	Haylek jr., C
Prerequisite: ENME 300, 360. Working stresses, stress concentration, stress analysis and repeated loads. Design of machine elements. Kinematics of mechanisms.			
<b>ENME 403 Automatic Controls</b> 3 credits; grading method: Reg/P-F/Aud			
0101	MTuWThF11	Bldg. AR, Rm. 0108	Staff
Prerequisites: ENEE 300, sensor standing. Hydraulic, electrical, mechanical and pneumatic automatic control systems. Open and closed loops. Steady state and transient operation, stability criteria, linear and non-linear systems. Laplace transforms.			
<b>ENME 463 Mechanical Engineering Analysis</b> 3 credits; grading method: Reg/P-F/Aud			
0101	MTuWThF12 30	Bldg. AR, Rm. 0108	Staff
Prerequisite: MATH 246. Mathematical modeling of physical situations. Solution of problems expressed by partial differential equations. Application of Fourier series and integrals. Laplace transformation, Bessel functions, Legendre polynomials and complex problems in mechanical vibrations, heat transfer, fluid mechanics and automatic control theory.			
<b>ENME 488 Special Problems</b> 3 credits; grading method: Reg/P-F/Aud			
Consent of Department Chairman			
0101	Arranged	Bldg. Arr	Staff
0201	Arranged	Bldg. Arr	Staff
Prerequisite: permission of department chairman. Advanced problems in mechanical engineering with special emphasis on mathematical and experimental methods.			
<b>ENME 489C Special Topics in Mechanical Engineering</b> 3 credits; grading method: Reg/P-F/Aud			
Computer Aided Design			
Permission of Instructor			
0101	MTuWThF9 30	Bldg. ULB, Rm. 1120	Sayre jr, C
<b>ENME 799 Master's Thesis Research</b> 1-6 credits; grading method: Reg only			
0101	Arranged	Bldg. Arr	Staff
0201	Arranged	Bldg. Arr	Staff
<b>ENME 899 Doctoral Dissertation Research</b> 1-8 credits; grading method: Reg only			
0101	Arranged	Bldg. Arr	Staff
0201	Arranged	Bldg. Arr	Staff

**ENNU**

**ENGINEERING, NUCLEAR (MATH AND PHY SCI AND ENG)**

<b>ENNU 215 Introduction to Nuclear Technology</b> 3 credits; grading method: Reg/P-F/Aud			
0101	MTuWThF9 30	Bldg U, Rm 2140	Staff
Prerequisites: MATH 141 and PHYS 161. Engineering problems of the nuclear energy complex, including basic theory, use of computers, nuclear reactor design and isotopic and chemical separations.			
<b>ENNU 468 Research</b> 2-3 credits; grading method: Reg/P-F/Aud			
0101	Arranged	Bldg Arr	Staff
0201	Arranged	Bldg Arr	Staff
Prerequisite: permission of the staff. Investigation of a research project under the direction of one of the staff members. Comprehensive reports are required. Repeatable to a maximum of six semester hours.			
<b>ENNU 648 Special Problems in Nuclear Engineering</b> 1-1 credits; grading method: Reg/Aud			
0101	Arranged	Bldg Arr	Staff
0201	Arranged	Bldg Arr	Staff
<b>ENNU 799 Master's Thesis Research</b> 1-6 credits; grading method: Reg only			
0101	Arranged	Bldg Arr	Staff
0201	Arranged	Bldg Arr	Staff
<b>ENNU 899 Doctoral Dissertation Research</b> 1-8 credits; grading method: Reg only			
0101	Arranged	Bldg Arr	Staff
0201	Arranged	Bldg Arr	Staff

**ENTM**

**ENTOMOLOGY (AG AND LIFE SCI)**

<b>ENTM 100 Insects</b> 3 credits; grading method: Reg/P-F/Aud			
USP Distributive Studies (B) Nat Sciences and Mathematics Approved Course			
0101	MTuWThF9 30	Bldg O, Rm. 1308	Staff
0201	MTuWThF9 30	Bldg O, Rm. 1308	Staff
A survey of the major groups of insects, their natural history, and their relationships with man and his environment.			
<b>ENTM 399 Special Problems</b> 1-2 credits; grading method: Reg/P-F/Aud			
0101	Arranged	Bldg Arr	Staff
0201	Arranged	Bldg Arr	Staff
Prerequisite: ENTM 204. Permission of instructor. Credit to be determined by the department. Should be taken during the junior year. Investigations of assigned entomological problems. No more than 4 credit hours of ENTM 399 may be applied to the 120 credit hours needed for the Bachelor's degree.			
<b>ENTM 699 Advanced Entomology</b> 1-6 credits; grading method: Reg/Aud			
0101	Arranged	Bldg Arr	Staff
0201	Arranged	Bldg Arr	Staff
Credit and prerequisites to be determined by the department. First and second semesters. Studies of major problems in morphology, physiology, taxonomy and applied entomology, with particular reference to the preparation of the student for individual research.			
<b>ENTM 789 Field Experience in Pest Management</b> 1-6 credits; grading method: Reg/Aud			
0101	Arranged	Bldg Arr	Staff
0201	Arranged	Bldg Arr	Staff
Prerequisite: ENTM 654 or consent of the department. Involvement in practical problems of pest management in field situations. The student will be assigned to a problem area for intensive experience, usually during the summer. A final written report is required for each assignment. Repeatable to a maximum of six credits.			
<b>ENTM 799 Master's Thesis Research</b> 1-6 credits; grading method: Reg only			
0101	Arranged	Bldg Arr	Staff
0201	Arranged	Bldg Arr	Staff
<b>ENTM 899 Doctoral Dissertation Research</b> 1-8 credits; grading method: Reg only			
0101	Arranged	Bldg Arr	Staff
0201	Arranged	Bldg Arr	Staff

**FDSC**

**FOOD SCIENCE (AG AND LIFE SCI)**

<b>FDSC 399 Special Problems in Food Science</b> 1-3 credits; grading method: Reg/P-F/Aud			
0101	Arranged	Bldg Arr	Staff
0201	Arranged	Bldg Arr	Staff
Prerequisite: approval of staff. Designed for advanced undergraduates in which specific problems in food science will be assigned. Four credit maximum per student.			
<b>FDSC 699 Special Problems in Food Science</b> 1-4 credits; grading method: Reg/Aud			
0101	Arranged	Bldg Arr	Staff
0201	Arranged	Bldg Arr	Staff
First and second semesters. Prerequisite: CHEM 461 or permission of instructor. Credit according to time scheduled and magnitude of problem. An experimental program on a topic other than the student's thesis problem will be conducted. Four credits shall be the maximum allowed toward an advanced degree.			
<b>FDSC 799 Master's Thesis Research</b> 1-6 credits; grading method: Reg only			
0101	Arranged	Bldg Arr	Staff
0201	Arranged	Bldg Arr	Staff
<b>FDSC 899 Doctoral Dissertation Research</b> 1-8 credits; grading method: Reg only			
0101	Arranged	Bldg Arr	Staff
0201	Arranged	Bldg Arr	Staff

**FMCD**

**FAMILY AND COMMUNITY DEVELOPMENT (HUM AND COM RES)**

<b>FMCD 250 Decision Making in Families and Communities</b> 3 credits; grading method: Reg/P-F/Aud			
0101	MW11-12,30,MW1-2,30	Bldg. AR, Rm. 0101	Valadaz, J
Introduction to problem solving, decision theory, and systems analysis, and their application to the practical problems facing families, human service organizations, and local communities.			
<b>FMCD 260 Interpersonal Life Styles</b> 3 credits; grading method: Reg/P-F/Aud			
0201	TuTh9-12	Bldg. H, Rm. 0108	Rubin, R
0202	TuTh1-4	Bldg. H, Rm. 0108	Rubin, R
Prerequisite: FMCD 105 or equivalent. Couple relationships in contemporary dating, courtship and marriage, and their alternatives.			
<b>FMCD 348 Practicum in Family and Community Development</b>			
3-1 credits; grading method: Reg/P-F/Aud			
0101-01 Jun-19 Aug			
0101	Arranged	Bldg. Arr	Glassberg, A
Prerequisites: FMCD 270 plus 6 credits of research-related course work. Corequisite: FMCD 349. Departmental approval required prior to registration. For FMCD majors a planned, supervised practicum to complement classroom instruction. Maximum of 12 credits allowed towards degree requirements.			

**FMCD cont.**

<b>FMCD 349</b>	<b>Analysis of Practicum 1-2 credits; grading method: Reg/P-F/Aud</b> 0101 0101 M10-12 Aug	Bldg. H, Rm. 1206	Glassberg, A
	For FMCD majors only. Weekly seminars for students concurrently carrying FMCD 348. Opportunities to integrate theory and practice. Two credits for the first semester and one credit every semester thereafter for a maximum total of five credits.		
<b>FMCD 370</b>	<b>Interpersonal Communication Processes 3 credits; grading method: Reg/P-F/Aud</b> 0101 MTUWTH11-12.30	Bldg. AR, Rm. 0121	Gaylin, N
	Training in interpersonal communication skills. Relevant concepts, principles, and models.		
<b>FMCD 381</b>	<b>Poverty and Affluence Among Families and Communities 3 credits; grading method: Reg/P-F/Aud</b> 0101 MW8-9	Bldg. H, Rm. 1304	Valaded, J
	Prerequisite: FMCD 201 or SOCY 100 or SOCY 105. Social, political, economic interrelationships among families and communities with respect to varying resources.		
<b>FMCD 386</b>	<b>Field Work 1-3 credits; grading method: Reg/P-F/Aud</b> 0101 Arranged 0201 Arranged	Bldg. Arr. Bldg. Arr.	Staff Staff
<b>FMCD 387</b>	<b>Field Work Analysis 1-3 credits; grading method: Reg/P-F/Aud</b> 0101 Arranged 0201 Arranged	Bldg. Arr. Bldg. Arr.	Staff Staff
<b>FMCD 431</b>	<b>Family Crises and Rehabilitation 3 credits; grading method: Reg/P-F/Aud</b> 0101 MW1-4 0201 TuTh9-9	Bldg. H, Rm. 0108 Bldg. ULB, Rm. 1112	Ruveni, U Myrcks, N
	Prerequisite: PSYC 100. Family crises such as divorce, disability, substance abuse, financial problems, intrafamilial abuse, and death. Theories and techniques for intervention and enhancement of family coping strategies.		
<b>FMCD 441</b>	<b>Personal and Family Finance 3 credits; grading method: Reg/P-F/Aud</b> 0101 TuTh6.30-9.30 0201 MW9-12	Bldg. H, Rm. 0108 Bldg. H, Rm. 0108	Staff 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.		
<b>FMCD 443</b>	<b>Consumer Problems 3 credits; grading method: Reg/P-F/Aud</b> 0201 MW1-4	Bldg. H, Rm. 0108	Churaman, C
	Prerequisite: ECON 201 or 205, or consent of instructor. The consumer perspective in the production, marketing, and use of goods and services. Special emphasis on the investigation of current issues.		
<b>FMCD 448B</b>	<b>Selected Topics in Home Management 3 credits; grading method: Reg/P-F/Aud</b> <b>Urban and Metropolitan Budgeting, Programming and Administration</b> 0101 MW5-8	Bldg. SSB, Rm. 1208	Marando, V
	Seminar format will be used to examine the ways families set priorities and organize their efforts and resources to achieve both social and economic goals. Prior registration in FMCD 250, 341, or other courses in management theory, systems analysis or research methods is desirable.		
<b>FMCD 448E</b>	<b>Selected Topics in Home Management 3 credits; grading method: Reg/P-F/Aud</b> <b>Manpower and Employment Policy Planning</b> 0101 TuTh6.15-9.15	Bldg. SSB, Rm. 1208	Levin, M
	Seminar format will be used to examine the ways families set priorities and organize their efforts and resources to achieve both social and economic goals. Prior registration in FMCD 250, 341, or other courses in management theory, systems analysis or research methods is desirable.		
<b>FMCD 487</b>	<b>Legal Aspects of Family Problems 3 credits; grading method: Reg/P-F/Aud</b> 0101 TUTh11-12.30 0201 MW6-9	Bldg. H, Rm. 3418 Bldg. ULB, Rm. 1112	Staff Myrcks, N
	Prerequisite: 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.		
<b>FMCD 498A</b>	<b>Special Topics 1-3 credits; grading method: Reg/P-F/Aud</b> <b>Family Studies</b> (Permission of Instructor and Department Required) 0101 Arranged 0201 Arranged	Bldg. Arr. Bldg. Arr.	Hula, R Hula, R
<b>FMCD 498B</b>	<b>Special Topics 1-3 credits; grading method: Reg/P-F/Aud</b> <b>Community Studies</b> (Permission of Instructor and Department Required) 0101 Arranged 0201 Arranged	Bldg. Arr. Bldg. Arr.	Hula, R Hula, R
<b>FMCD 499C</b>	<b>Special Topics 1-3 credits; grading method: Reg/P-F/Aud</b> <b>Management and Consumer Studies</b> (Permission of Instructor and Department Required) 0101 Arranged 0201 Arranged	Bldg. Arr. Bldg. Arr.	Hula, R Hula, R
<b>FMCD 499F</b>	<b>Special Topics 3 credits; grading method: Reg/P-F/Aud</b> <b>Counseling Families Undergoing Financial Crises</b> Class Meets 06 Jun-17 Jun and 23 Jun-24 Jun 0101 MTUWThF10-12/MTUWThF1-3 Lec. Bldg. H, Rm. 1314/ Lab. Bldg. H, Rm. 1314	Bldg. H, Rm. 1314	Stephenson, M
<b>FMCD 499J</b>	<b>Special Topics 1-3 credits; grading method: Reg/P-F/Aud</b> <b>Community Development in Neighborhoods</b> 0101 MW6-9	Bldg. H, Rm. 3418	Glassberg, A
<b>FMCD 499K</b>	<b>Special Topics 1-3 credits; grading method: Reg/P-F/Aud</b> <b>Data Logic and the Computer</b> 0101 TuTh9-12	Bldg. H, Rm. 1210	Hula, R
<b>FMCD 499L</b>	<b>Special Topics 1-3 credits; grading method: Reg/Aud</b> <b>Theory and Techniques of Family Mediation</b> With Permission Only 0201 TuTh6.30-9.30	Bldg. H, Rm. 0108	Staff
<b>FMCD 499O</b>	<b>Special Topics 1-3 credits; grading method: Reg/P-F/Aud</b> <b>Law and the Disabled</b> 0101 MW9-12	Bldg. H, Rm. 1210	Leviton, S
<b>FMCD 805</b>	<b>Community Development in Neighborhoods 3 credits; grading method: Reg/Aud</b> 0101 MW5-9	Bldg. T, Rm. 1113	Glassberg, A
	Exploration of neighborhoods to cities, suburbs, and small towns. Comparison of neighborhoods in terms of population, culture and prospects for community development. Particular emphasis on the relevance of neighborhoods for the quality of individual and family life.		
<b>FMCD 886</b>	<b>Introduction to Family Counseling 3 credits; grading method: Reg/Aud</b> 0101 MTU6-9	Bldg. H, Rm. 3418	Ruveni, U
<b>FMCD 889</b>	<b>Internship in Family and Community Development 3 credits; grading method: Reg/Aud</b> 0101 Arranged 0201 Arranged	Bldg. Arr. Bldg. Arr.	Hula, R Hula, R
	Prerequisite: permission of instructor and department. Internship related to the student's chosen specialization. May be repeated to a maximum of 6 credits.		
<b>FMCD 896</b>	<b>Advanced Topics in Family and Community Development 1-3 credits; grading method: Reg/Aud</b> 0101 Arranged 0201 Arranged	Bldg. Arr. Bldg. Arr.	Hula, R Hula, R
<b>FMCD 898K</b>	<b>Advanced Topics in Family and Community Development 1-3 credits; grading method: Reg/Aud</b> <b>Data Logic and the Computer</b> 0101 TuTh9-12	Bldg. H, Rm. 1210	Hula, R
	Arranged group study on a specific topic.		

**FMCD cont.**

<b>FMCD 698L</b>	<b>Advanced Topics in Family and Community Development 1-3 credits; grading method: Reg/Aud</b> <b>Theory and Techniques of Family Mediation</b> With Permission Only 0201 TuTh6.30-9.30	Bldg. H, Rm. 0108	Staff
	Arranged group study on family mediation.		
<b>FMCD 698O</b>	<b>Advanced Topics in Family and Community Development 1-3 credits; grading method: Reg/Aud</b> <b>Law and the Disabled</b> 0101 MW9-12	Bldg. H, Rm. 1210	Leviton, S
	Arranged group study on law and the disabled.		
<b>FMCD 698S</b>	<b>Advanced Topics in Family and Community Development 1-3 credits; grading method: Reg/Aud</b> <b>Sex Therapy-Theory, Skills, and Practice</b> 0101 WTh7-10PM	Bldg. H, Rm. 3418	Phillips Jr., R
	Arranged group study on sex therapy.		
<b>FMCD 799</b>	<b>Master's Thesis Research 1-6 credits; grading method: Reg/Aud</b> 0101 Arranged 0201 Arranged	Bldg. Arr. Bldg. Arr.	Hula, R Hula, R

**FOOD****(HUM AND COM RES)**

<b>FOOD 110</b>	<b>Food for People 3 credits; grading method: Reg/P-F/Aud</b> <b>USP Distributive Studies (D) Soc and Behavioral Sciences Approved Course</b> 0101 MTUWThF11	Bldg. H, Rm. 3418	Axelson, M
	A study of food in contemporary living: economic, social, cultural and aesthetic implications of food. Selection and use of food in relation to eating habits and well-being of the individual.		
<b>FOOD 799</b>	<b>Master's Thesis Research 1-6 credits; grading method: Reg only</b> 0101 Arranged 0201 Arranged	Bldg. Arr. Bldg. Arr.	Staff Staff

**FREN****(ARTS AND HUM)**

<b>FREN 101</b>	<b>Elementary French 4 credits; grading method: Reg/P-F/Aud</b> <b>USP Distributive Studies (A) Cultural and Historical Approved Course</b> 0101 MTUWTh6-10.20	Bldg. LL, Rm. 2120	Staff
	Introduction to basic structures and pronunciation.		
<b>FREN 102</b>	<b>Elementary French 4 credits; grading method: Reg/P-F/Aud</b> <b>USP Distributive Studies (A) Cultural and Historical Approved Course</b> 0201 MTUWTh6-10.20	Bldg. LL, Rm. 3118	Mecbain, W
	Completion of basic structures with emphasis on reading and speaking skills.		
<b>FREN 103</b>	<b>Review of Elementary French 4 credits; grading method: Reg/P-F/Aud</b> <b>USP Distributive Studies (A) Cultural and Historical Approved Course</b> 0101 MTUWTh6-11.20	Bldg. LL, Rm. 3118	Kliffar, M
	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.		
<b>FREN 104</b>	<b>Intermediate French 4 credits; grading method: Reg/P-F/Aud</b> <b>USP Distributive Studies (A) Cultural and Historical Approved Course</b> 0201 MTUWTh6-10.45/MTUWTh10.30-12.30 Lec. Bldg. LL, Rm. 3120/ Lab. Bldg. LL, Rm. 3118	Bldg. LL, Rm. 3120	Demaitra, A
	Grammar review with extended reading, discussion, and composition. Fulfills the arts and humanities language requirement.		
<b>FREN 312</b>	<b>French Conversation: Current Cultural Events 3 credits; grading method: Reg/P-F/Aud</b> <b>USP Distributive Studies (A) Cultural and Historical Approved Course</b> 0201 MTUWTh11-12.45	Bldg. LL, Rm. 3120	Demaitra, A
	Vocabulary development to the level of the contemporary French press. Not open to native speakers of French.		
<b>FREN 386</b>	<b>Field Work 1-3 credits; grading method: Reg/P-F/Aud</b> <b>Instructor's Permission Required.</b> 0101 Arranged 0201 Arranged	Bldg. Arr. Bldg. Arr.	Staff Staff
<b>FREN 387</b>	<b>Field Work Analysis 1-3 credits; grading method: Reg/P-F/Aud</b> <b>Instructor's Permission Required. Taken in Conjunction With FREN 386.</b> 0101 Arranged 0201 Arranged	Bldg. Arr. Bldg. Arr.	Staff Staff
<b>FREN 399</b>	<b>Directed Study In French 1-3 credits; grading method: s-I only</b> <b>Supervised Work With Consent of Instructor. Contact Department For Details. Registration By Permission Only.</b> 0101 Arranged 0201 Arranged	Bldg. Arr. Bldg. Arr.	Staff Staff
	Prerequisite: permission of department chairman. Intended for advanced undergraduates who wish to work on an individual basis with a professor of their choice. Open as elective to all students, but may not be counted toward French major. May be taken for one, two or three credits, according to nature and scope of work covered. May be taken more than once; however, only repeatable for a maximum of three credits. Grading method: Satisfactory/Fail only.		
<b>FREN 404</b>	<b>Oral Practice In French 3 credits; grading method: Reg/P-F/Aud</b> 0201 MTUWTh11-12.45	Bldg. LL, Rm. 3120	Demaitra, A
	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 French major.		
<b>FREN 796</b>	<b>Master's Independent Study 1-3 credits; grading method: Reg/Aud</b> 0101 Arranged 0201 Arranged	Bldg. Arr. Bldg. Arr.	Staff Staff
	Prerequisite: permission of the department's Director of Graduate Studies. Repeatable to a maximum of 3 credits.		
<b>FREN 799</b>	<b>Master's Thesis Research 1-6 credits; grading method: Reg only</b> 0101 Arranged 0201 Arranged	Bldg. Arr. Bldg. Arr.	Staff Staff
<b>FREN 896</b>	<b>Doctoral Independent Study 3 credits; grading method: Reg/Aud</b> 0101 Arranged 0201 Arranged	Bldg. Arr. Bldg. Arr.	Staff Staff
	Repeatable to a maximum of six credits.		
<b>FREN 899</b>	<b>Doctoral Dissertation Research 1-8 credits; grading method: Reg only</b> 0101 Arranged	Bldg. Arr.	Staff

# GEOG (BEHAV AND SOC SCI)

## GEOGRAPHY

- GEOG 100 Introduction to Geography 3 credits; grading method: Reg P-F/Aud**  
 USP Distributive Studies (D) Soc and Behavioral Sciences Approved Course  
 0101 MW7-10PM Bldg SSB, Rm. 1201 Carmoone, J  
 An introduction to the broad field of geography as it is applicable to the general education student. The course presents the basic rationale of various fields in human occupancy of the earth and stresses geographic concepts relevant to understanding world, regional and local issues.
- GEOG 201 Geography of Environmental Systems 3 credits; grading method: Reg P-F/Aud**  
 0201 TuTh, 30-9:30 Bldg SSB, Rm. 1208 Petzold, D  
 A systematic introduction to the processes and associated forms of the atmosphere and earth's surfaces emphasizing the interaction between climatology, hydrology and geomorphology.
- GEOG 203 Introductory Economic Geography 3 credits; grading method: Reg P-F/Aud**  
 USP Distributive Studies (D) Soc and Behavioral Sciences Approved Course  
 0101 MTuWThF9:30 Bldg SSB, Rm. 2166 Schneider, R  
 A study of physical and economic factors that underlie production. The roles of climate, soils, and landforms; and geographic distribution of agricultural, power and mineral resources, and the nature and uses of cartographic materials.
- GEOG 386 Field Work 1-3 credits; grading method: Reg P-F/Aud**  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff
- GEOG 387 Field Work Analysis 1-3 credits; grading method: Reg P-F/Aud**  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff
- GEOG 400 Geography of North America 3 credits; grading method: Reg P-F/Aud**  
 0101 TuTh-9 Bldg SSB, Rm. 1222 Mitchell, R  
 An examination of the contemporary patterns of American and Canadian life from a regional viewpoint. Major topics include: the significance of the physical environment, resource use, the political framework, economic activities, demographic and socio-cultural characteristics, regional identification, and regional problems.
- GEOG 455 Urban Geography 3 credits; grading method: Reg P-F/Aud**  
 0201 MTuWThF9:30 Bldg SSB, Rm. 1201 Groves, P  
 Origins of cities, followed by a study of elements of site and location with reference to cities. The patterns and functions of some major world cities will be analyzed. Theories of land use differentiation within cities will be approached.
- GEOG 498 Topical Investigations 1-3 credits; grading method: Reg P-F/Aud**  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff
- GEOG 498 Independent Study 1-3 credits; grading method: Reg P-F/Aud**  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff
- GEOG 498 Topical Investigations 3 credits; grading method: Reg P-F/Aud**  
 0101 TuTh12:30-3:30 Bldg SSB, Rm. 1179 Kallerman, A  
 Independent study under individual guidance. Restricted to advanced undergraduate students with credit for at least 24 hours in geography and to graduate students. Any exception should have the approval of the head of the department.
- GEOG 789 Independent Readings 1-3 credits; grading method: Reg/Aud**  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff
- GEOG 790 Internship in Geography 3 credits; grading method: Reg/Aud**  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff
- GEOG 790 Field Experience in the Student's Specialty 1-6 credits; grading method: Reg/Aud**  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff
- GEOG 798 Independent Study 1-6 credits; grading method: Reg/Aud**  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff
- GEOG 799 Master's Thesis Research 1-6 credits; grading method: Reg only**  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff
- GEOG 899 Doctoral Dissertation Research 1-8 credits; grading method: Reg only**  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff

## GEOLOGY

# GEOLOG (AG AND LIFE SCI)

- GEOLOG 100 Physical Geology 3 credits; grading method: Reg P-F/Aud**  
 Course Meets University Studies Program Distributive Studies Non-Science and Mathematics Requirement. If taken with GEOLOG 110, course may be counted as lab science requirement.  
 0101 MTuWThF9:30 Bldg E, Rm. 0103 Staff  
 0201 MTuWThF9:30 Bldg E, Rm. 0103 Staff
- GEOLOG 110 A study dealing primarily with the principles of dynamic and structural geology. A general survey of the rocks and minerals composing the earth; the movement within it, and its surface features and the agents that form them.**

# GERM (ARTS AND HUM)

## GERMAN

- GERM 101 Elementary German I 4 credits; grading method: Reg P-F/Aud**  
 USP Distributive Studies (A) Cultural and Historical Approved Course  
 This Course is Part of the Intensive Language Program  
 0101 MTuWThF8-12 Bldg LL, Rm. 3203 Pfister, G  
 0201 MTuWThF8-12 Bldg LL, Rm. 3203 Pfister, G  
 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. Four recitations per week plus one laboratory hour.
- GERM 102 Elementary German II 4 credits; grading method: Reg P-F/Aud**  
 USP Distributive Studies (A) Cultural and Historical Approved Course  
 This Course is Part of the Intensive Language Program  
 0101 MTuWThF8-12 Bldg LL, Rm. 1122 Staff  
 Prerequisite: GERM 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-F/Aud**  
 USP Distributive Studies (A) Cultural and Historical Approved Course  
 This Course is Part of the Intensive Language Program  
 0201 MTuWThF8-12 Bldg LL, Rm. 0204 Pfister, G  
 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 cont.

- GERM 415 German/English Translation I 3 credits; grading method: Reg P-F/Aud**  
 0101 MTuTh-4 Bldg LL, Rm. 0205 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 416 German/English Translation II 3 credits; grading method: Reg P-F/Aud**  
 0201 MTuTh-4 Bldg LL, Rm. 3205 Staff  
 Prerequisites: GERM 302, GERM 415 or equivalent. Written translation of materials from the student's field of study into German. English translation, with examples from student's projects. Instruction in English. Cannot be used to satisfy the Arts and Humanities foreign language requirement.
- GERM 499 Directed Study 1-3 credits; grading method: Reg/Aud**  
 0201 Arranged Bldg. Arr. Staff  
 Prerequisite: Permission of instructor. For advanced students, by permission of department chairman and/or undergraduate advisor. Repeatable to a maximum of 6 credits if subject matter is different.
- GERM 499A Directed Study 1-3 credits; grading method: Reg/Aud**  
 0101 Arranged Bldg. Arr. Staff  
 Prerequisite: GERM 115 or equivalent.  
 0201 Arranged Bldg. LL, Rm. 2117 Staff  
 Prerequisite: by permission of department chairman and/or undergraduate advisor.
- GERM 499B Directed Study 1-3 credits; grading method: Reg/Aud**  
 0201 MTuWThF-4 Bldg LL, Rm. 1120 Staff  
 Prerequisite: by permission of department chairman and/or undergraduate advisor.
- GERM 799 Master's Thesis Research 1-6 credits; grading method: Reg only**  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff
- GERM 899 Doctoral Dissertation Research 1-8 credits; grading method: Reg only**  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff

# GVPT

## GOVERNMENT AND POLITICS (BEHAV AND SOC SCI)

- GVPT 100 Principles of Government and Politics 3 credits; grading method: Reg P-F/Aud**  
 USP Distributive Studies (D) Soc and Behavioral Sciences Approved Course  
 0101 MTuWThF11 Bldg SSB, Rm. 1221 Heisler, M  
 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-F/Aud**  
 USP Distributive Studies (D) Soc and Behavioral Sciences Approved Course  
 0101 MTuWThF9:30 Bldg SSB, Rm. 1201 Hathorn, G  
 0201 MTuWThF9:30 Bldg SSB, Rm. 1222 Hathorn, G  
 This course is designed as the basic course in government and it 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 240 Political Ideologies 3 credits; grading method: Reg P-F/Aud**  
 USP Distributive Studies (A) Cultural and Historical Approved Course  
 0101 TuTh12:30-3:30 Bldg SSB, Rm. 1201 Afford, C  
 Including GVPT 170. A survey and analysis of the leading ideologies of the modern world, including anarchism, communism, socialism, fascism, nationalism, and democracy.
- GVPT 260 State and Local Government 3 credits; grading method: Reg P-F/Aud**  
 0201 MTuWThF9:30 Bldg SSB, Rm. 2208 Morrison, D  
 Prerequisite: GVPT 170. A study of the functioning and problems of state and local government in the United States, with illustrations from Maryland jurisdiction.
- GVPT 300 International Political Relations 3 credits; grading method: Reg P-F/Aud**  
 0101 MW12:30-3:30 Bldg SSB, Rm. 2166 McNelly, T  
 0201 MW12:30-3:30 Bldg SSB, Rm. 1201 Hsueh, C  
 A study of the major policies 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 375 Academic Field Research in Government and Politics 6 credits; grading method: Reg P-F/Aud**  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. 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 advisor. 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-F/Aud**  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff  
 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 an academic advisor 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.
- GVPT 377 Seminar for Academic Interns 3 credits; grading method: Reg P-F/Aud**  
 0101 W3:30-6:30/Arranged Lec. Bldg SSB, Rm. 2123/Disc. Bldg Arr. Staff  
 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-F/Aud**  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff
- GVPT 387 Field Work Analysis 1-3 credits; grading method: Reg P-F/Aud**  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff
- GVPT 388 Topical Investigations 3 credits; grading method: Reg P-F/Aud**  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff
- GVPT 388A Topical Investigations 3 credits; grading method: Reg P-F/Aud**  
 Arranged Bldg. Arr. Staff  
 0101: 01-Jun-17-Jun  
 Course to be taken only in conjunction with GVPT 399A for a total of 6 credits. See course description under GVPT 399A.
- GVPT 399A Independent Study 1-3 credits; grading method: Reg P-F/Aud**  
 0101 MTuWThF11:20 Bldg LL, Rm. 0220 Glass, J  
 Independent research and writing on selected topics in government and politics. Prerequisite of upper

**GVPT cont.**

- GVPT 397** **Honors Research 3 credits; grading method: Reg/P-F/Aud**  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. 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 3 credits; grading method: Reg/P-F/Aud**  
**Films and the Politics of the Family**  
 0101 - 01 Jun-17-Jun Bldg. LL, Rm. 0220 Glass, J  
 Survey of films to understand nature and structure of politics of the family. Emphasis on families and anti-families, the structure of loneliness, emptiness, despair, punitivity and the politics implicit in these emotional realities. Films: "Looking for Mr. Goodbar", "Interiors", "Days of Heaven", "Taxi Driver", and "Ordinary People".
- GVPT 401 Problems of World Politics 3 credits; grading method: Reg/P-F/Aud**  
 0201 TuTh12-30-3,15 Bldg. SSB, Rm. 1208 Staff  
 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 431 Introduction to Constitutional Law 3 credits; grading method: Reg/P-F/Aud**  
 0101 MTuWThF30 Bldg. SSB, Rm. 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-F/Aud**  
 Course Meets University Studies Program Advanced Studies Requirement.  
 0101 TuTh12-30-3 Bldg. SSB, Rm. 1208 Terchek, R  
 Prerequisite: GVPT 100. A survey of the principal theorists set forth in the works of writers from Machiavelli to J. S. Mill.
- GVPT 622 Quantitative Methods for Political Science 3 credits; grading method: Reg/Aud**  
 Introductory Course in Statistics. Emphasis on Statistical Analysis and Evaluation. No Previous Statistical Background Necessary.  
 0101 MW7-10PM Bldg. SSB, Rm. 2123 Phillips, W  
 Introduction to quantitative methods of data analysis, with emphasis on statistical methods and computer usage. Measures of association, probability, correlation, linear regression estimation techniques, introductory analysis of variance, and use of package computer program.
- GVPT 700 Scope and Method of Political Science 3 credits; grading method: Reg/Aud**  
 0101 TuTh7-10PM Bldg. SSB, Rm. 2123 Butterworth, C  
 Required of all Ph.D. candidates. A seminar in the methodologies of political science, and their respective applications to different research fields. Interdisciplinary approaches and bibliographical techniques are also discussed.
- GVPT 799 Master's Thesis Research 1-6 credits; grading method: Reg only**  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff
- GVPT 818 Problems of Public Administration 3 credits; grading method: Reg/Aud**  
**Intergovernmental Management**  
 0201 TuTh7-10PM Bldg. SSB, Rm. 2123 Reeves, M  
 Reports on topics assigned for individual study and reading in the field of public administration.
- GVPT 848 Current Problems in Political Theory 3 credits; grading method: Reg/Aud**  
**Reason in Politics**  
 0201 MW7-9:45PM Bldg. SSB, Rm. 2125 Alford, C  
 Prerequisite: GVPT 443. Intensive examination of the development of political theory since the Second World War.
- GVPT 869 Seminar: Urban Administration 3 credits; grading method: Reg/Aud**  
**Urban and Metropolitan Budgeting, Programming and Administration.**  
 0101 MWS-8 Bldg. SSB, Rm. 1208 Marando, V  
 Selected topics are examined by the team research method with students responsible for planning, field investigation, and report writing.
- GVPT 898 Readings in Government and Politics 3 credits; grading method: Reg/Aud**  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff
- GVPT 899 Doctoral Dissertation Research 1-8 credits; grading method: Reg only**  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff

**HEBR**

(ARTS AND HUM)

- HEBR 111 Elementary Hebrew 3 credits; grading method: Reg/P-F/Aud**  
**USP Distributive Studies (A) Cultural and Historical Approved Course**  
 (For Beginners)  
 0101 MTuWThF30 Bldg. LL, Rm. 0202 Liberman, E  
 Modern Israeli Hebrew. Emphasis on conversation. Study of linguistic structure and development of audio-lingual, writing and reading ability.
- HEBR 112 Elementary Hebrew 3 credits; grading method: Reg/P-F/Aud**  
**USP Distributive Studies (A) Cultural and Historical Approved Course**  
 Prerequisite - HEBR 111 or equivalent  
 0201 MTuWThF30 Bldg. LL, Rm. 1117 Liberman, E  
 Prerequisite: HEBR 111 DR 101 or equivalent. Modern Israeli Hebrew. Emphasis on conversation. Study of linguistic structure and development of audio-lingual, writing and reading ability.

**HESP**

(BEHAV AND SOC SCI)

- HEARING AND SPEECH**  
**HESP 120 Introduction to Linguistics 3 credits; grading method: Reg/P-F/Aud**  
**USP Distributive Studies (D) Soc and Behavioral Sciences Approved Course**  
 0101 MTuWThF930 Bldg. SSB, Rm. 1220 Staff  
 0201 MTuWThF11 Bldg. SSB, Rm. 1222 Staff  
 Introduction to the basic concepts of modern descriptive linguistics. Phonology, morphology, syntax. Examinations of the methods of comparative linguistics, internal reconstruction and dialect geography.
- HESP 202 Fundamentals of Hearing and Speech Sciences 3 credits; grading method: Reg/P-F/Aud**  
 0101 MTuWThF930 Bldg. SSB, Rm. 1208 Staff  
 0201 MTuWThF930 Bldg. SSB, Rm. 1221 Staff  
 Introduction to phonetics, the physiological bases of speech production and reception, and the physics of sound. Required of majors in hearing and speech science and recommended for majors in education and psychology.
- HESP 302 Speech Pathology I 3 credits; grading method: Reg/P-F/Aud**  
**Articulation Disorders**  
 0201 MTuWThF930 Bldg. SSB, Rm. 1221 Roth, F  
 For majors. Prerequisite: HESP 202. Etiology, assessment, and treatment of articulation disorders.
- HESP 400 Speech and Language Development of Children 3 credits; grading method: Reg/P-F/Aud**  
 0201 MTuWThF11 Bldg. SSB, Rm. 1208 Roth, F  
 Prerequisite: HESP 202. Analysis of normal processes of speech and language development in children.

**HESP cont.**

- HESP 408 Clinical Practice 3 credits; grading method: Reg/P-F/Aud**  
 0101 Arranged Bldg. Arr. Staff Patrick, S  
 Prerequisites: completion of the 21 hours of specified courses for the major, HESP 404 or HESP 406, and permission of the clinical staff. Observation and participation in the speech and hearing clinic. Repeatable to a maximum of six credits, but only three credits may apply toward satisfaction of the major course requirement in hearing and speech sciences.
- HESP 411 Introduction to Audiology 3 credits; grading method: Reg/P-F/Aud**  
 MTuWThF930 Bldg. SSB, Rm. 1208 Neder, M  
 Prerequisites: HESP 202 and PHYS 102. Anatomy and physiology of hearing, introduction to measurement and to rehabilitation of the hearing-handicapped.
- HESP 414 Seminar 3 credits; grading method: Reg/P-F/Aud**  
**Speech Language For the Professional (Seminar)**  
 0101 MTuWThF11 Bldg. SSB, Rm. 1222 Brew, L  
 Prerequisite: permission of instructor. Individual projects in phonetic science, speech pathology, and audiology.
- HESP 499 Independent Study 1-3 credits; grading method: Reg/P-F/Aud**  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff  
 Prerequisite: departmental approval. May be repeated for a maximum of 6 credits.
- HESP 606 Basic Hearing Measurements 3 credits; grading method: Reg/Aud**  
 0201 MTuWThF11 Bldg. SSB, Rm. 0135 Gordon-Salant, S
- HESP 612 Stuttering 3 credits; grading method: Reg/Aud**  
 0201 TuTh12-3 Bldg. SSB, Rm. 0135 Staff
- HESP 624 Voice Disorders 3 credits; grading method: Reg/Aud**  
 0101 TuTh12-3 Bldg. SSB, Rm. 0135 Staff
- HESP 638 Minor Research Problems 1-3 credits; grading method: Reg/Aud**  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff  
 Special projects in Hearing and Speech Science. Repeatable for a maximum of 6 credits.
- HESP 648 Clinical Practice In Speech 1-3 credits; grading method: Reg/Aud**  
 0101 Arranged Lec. Bldg. Arr. Lab. Bldg. Arr. Staff Patrick, S  
 Prerequisite: permission of instructor. Supervised training in the application of clinical methods in the diagnosis and treatment of speech disorders. Repeatable for a maximum of 6 credits.
- HESP 649 Clinical Practice In Audiology 1-3 credits; grading method: Reg/Aud**  
 0101 Arranged Lec. Bldg. Arr. Lab. Bldg. Arr. Staff Gordon-Salant, S  
 Prerequisite: permission of instructor. Supervised training in the application of clinical methods in the diagnosis and treatment of hearing disorders. Repeatable for a maximum of 6 credits.
- HESP 700 Hearing-Aid Characteristics and Performance 3 credits; grading method: Reg/Aud**  
 0101 TuTh12-3 Bldg. SSB, Rm. 0165 Gordon-Salant, S  
 Electroacoustic characteristics of hearing aids. Methods of hearing-aid evaluation and selection.
- HESP 708 Independent Study 1-6 credits; grading method: Reg/Aud**  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff  
 Prerequisite: permission of instructor. Individual research projects under guidance of a faculty member. Repeatable for a maximum of 6 credits.
- HESP 799 Master's Thesis Research 1-6 credits; grading method: Reg only**  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff
- HESP 899 Doctoral Dissertation Research 1-8 credits; grading method: Reg only**  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff

**HIST**

(ARTS AND HUM)

- HISTORY**  
**HIST 101 Great Ideas, Events and Personalities in History 3 credits; grading method: Reg/P-F/Aud**  
**USP Distributive Studies (A) Cultural and Historical Approved Course**  
 0201 MTuWThF1230 Bldg. RR, Rm. 0103 Williams, W  
 An introduction to history including both theories of historical change and detailed specific examples, focusing on crucial events, ideas, or personalities illustrative of that change.
- HIST 108 Biography in History 3 credits; grading method: Reg/P-F/Aud**  
**Adolf Hitler**  
 0201 MTuWThF930 Bldg. RR, Rm. 0103 Harris, J  
 A study of Hitler's life from his birth on April 20, 1889 to the last hours in Berlin on April 30, 1945. Hitler's personal experiences are set in the context of Austrian, German, and European history. Major aspects of his life, both private and public, will be treated. Intended as an introduction to historical study.
- HIST 130 The Ancient World 3 credits; grading method: Reg/P-F/Aud**  
**USP Distributive Studies (A) Cultural and Historical Approved Course**  
 0101 MTuWThF11 Bldg. RR, Rm. 0116 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**  
**USP Distributive Studies (A) Cultural and Historical Approved Course**  
 0101 MTuWThF930 Bldg. RR, Rm. 1117 Greenberg, L  
 Nation-states in Europe since the outbreak of the French revolution. Rapid changes in industrial-economic structure and in demography related to national growth. Emergence of a distinctly modern secular society including "Europeanism" throughout the world. Emphasis on 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**  
**USP Distributive Studies (A) Cultural and Historical Approved Course**  
 0101 MTuWThF11 Bldg. RR, Rm. 0103 Hoffman, R  
 0201 MTuWThF8 Bldg. RR, Rm. 0116 Bradley, M  
 A survey of the history of the United States from colonial times to the end of the Civil War.
- HIST 157 History of the United States Since 1865 3 credits; grading method: Reg/P-F/Aud**  
**USP Distributive Studies (D) Soc and Behavioral Sciences Approved Course**  
 0101 MTuWThF1230 Bldg. RR, Rm. 0103 Moos Jr., A  
 0201 MTuWThF930 Bldg. RR, Rm. 1117 Betz, H  
 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 235 History of England and Great Britain II 3 credits; grading method: Reg/P-F/Aud**  
**USP Distributive Studies (A) Cultural and Historical Approved Course**  
 0201 MTuWThF11 Bldg. RR, Rm. 0116 Breslow, M  
 British history from the Tudors to the present. The Tudor reformations, English revolutions, Industrialism, victorian and 20th century reforms, and the growth and evolution of the British Empire.
- HIST 327 The Roman Empire 3 credits; grading method: Reg/P-F/Aud**  
 0201 MTuWTh1-4 Bldg. RR, Rm. 1117 Holm, 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 cont.**

- HIST 337 Europe in the World Setting of the 20th Century** 3 credits; grading method: Reg/P-F/Aud  
 0101 MTUWThF30 Bldg. RR, Rm. 0117 Kent, G  
 Political, economic and cultural developments in 20th Century Europe with special emphasis on the conflicts involved in the two world wars and their global impacts and significance
- HIST 347 History of Crime and Punishment in England** 3 credits; grading method: Reg/P-F/Aud  
 0101 MTUWThF30 Bldg. RR, Rm. 1117 Cockburn, J  
 Emphasis on the historical development of law enforcement agencies, criminal jurisdictions and trial procedure, 1500-1800. Nature of precept felonies and major trends in crime, penal theory and practice in historical perspective.
- HIST 351 Social History of Washington, D.C.** 3 credits; grading method: Reg/P-F/Aud  
 0101 MTH1-4 Bldg. RR, Rm. 1117 Flack, J  
 Development of the "resident city" of Washington, neighborhoods, schools, places of worship, economic establishments, and local population groups.
- HIST 360 American Colonial History** 3 credits; grading method: Reg/P-F/Aud  
 0201 MTUWThF12.30 Bldg. RR, Rm. 0016 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 367 The United States Since World War II** 3 credits; grading method: Reg/P-F/Aud  
 0201 MTUWThF8 Bldg. RR, Rm. 1117 Olson, K  
 American history from the inauguration of Harry S. Truman to the present with emphasis upon politics and foreign relations, but with consideration of special topics such as radicalism, conservation, and labor.
- HIST 392 History of the Contemporary Middle East** 3 credits; grading method: Reg/P-F/Aud  
 0201 MTUWThF30 Bldg. RR, Rm. 0107 Zih, M  
 The rise and development of nation-states; modernization, westernization and secularization in a traditional society; shifting political and economic power groupings within a regional and global context
- HIST 400 Independent Study** 1-6 credits; grading method: Reg/P-F/Aud  
 (By Permission of Instructor Only)
- 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. 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 405 Introduction to Archives and Manuscript Repositories I** 3 credits; grading method: Reg/P-F/Aud  
 0101 Arranged Bldg. Arr. Staff  
 Prerequisite: departmental approval. History of the basic intellectual problems relating to archives and manuscript repositories; emphasis on problems of selection, access, preservation, inventorying and cataloging as well as the variety of institutions housing documents. Must be taken concurrently with HIST 406.
- HIST 406 Introduction to Archives and Manuscript Repositories II** 3 credits; grading method: Reg/P-F/Aud  
 See Description For HIST 405
- 0101 W7-9PM/Arranged Lec. Bldg. RR, Rm. 2119 Disc. Bldg. Arr. Grinsted, D  
 Prerequisite: departmental approval. 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. Must be taken concurrently with HIST 405.
- HIST 442 The Soviet Union** 3 credits; grading method: Reg/P-F/Aud  
 0101 MTH1-4 Bldg. RR, Rm. 0116 Foust, C  
 A history of Soviet Russia and the Soviet Union from 1917 to the present. Stress on the relationship between Marxist theory and practice, and the development of peculiarly socialist institutions and practices.
- HIST 462 The Civil War** 3 credits; grading method: Reg/P-F/Aud  
 0101 MTUWThF30 Bldg. RR, Rm. 0116 Smith, E  
 A detailed study of historical interpretations, the forces, situations and events that caused the war, the war and its impact.
- HIST 467 History of Maryland** 3 credits; grading method: Reg/P-F/Aud  
 0201 MTH1-4 Bldg. RR, Rm. 0126 Ridgway, W  
 Political, social and economic history of Maryland from seventeenth century to the present
- HIST 485 History of Chinese Communism** 3 credits; grading method: Reg/P-F/Aud  
 0201 MTUWThF11 Bldg. RR, Rm. 0126 Folsom, K  
 An analysis of the various factors in modern Chinese history that led to the victory of the Chinese communist party in 1949 and of the subsequent course of events of the People's Republic of China, from ca. 1919 to the present
- HIST 619 Special Topics in History** 1-3 credits; grading method: Reg/Aud  
 Independent Study  
 (By Permission of Instructor Only)
- 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff
- HIST 819A Special Topics in History** 1-3 credits; grading method: Reg/Aud  
 Recent Interpretations of U.S. History: 19th and 20th Centuries
- 0101 MTH5-7 Bldg. RR, Rm. 2119 Harlan, L
- HIST 619B Special Topics in History** 1-3 credits; grading method: Reg/Aud  
 Recent Interpretations of European History
- 0201 MTH1-3/Arranged Lec. Bldg. RR, Rm. 2119 Disc. Bldg. Arr. Vaneay, G
- HIST 799 Master's Thesis Research** 1-6 credits; grading method: Reg only  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff
- HIST 899 Doctoral Dissertation Research** 1-8 credits; grading method: Reg only  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff

**HLTH (HUM AND COM RES)**

- HLTH 106 Drug Use and Abuse** 3 credits; grading method: Reg/P-F/Aud  
 0101 MTUWThF30 Bldg. PRH, Rm. 0303 Beck, K  
 0102 MTUWThF11 Bldg. PRH, Rm. 1302 Hofford, C  
 0201 MTUWThF9.30 Bldg. PRH, Rm. 1301 Leischow, S  
 An interdisciplinary analysis of contemporary drug issues and problems. The course will examine physical, 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 Personal and Community Health** 3 credits; grading method: Reg/P-F/Aud  
 0201 MTUWThF11 Bldg. PRH, Rm. 1302 Miller, C  
 Meaning and significance of physical, mental and social health as related to the individual and to society; important phases of national health problems; constructive methods of promoting health of the individual and the community; 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 Arranged Bldg. Arr. Staff  
 0102 MTUWTh9.30 Bldg. PRH, Rm. 0302 Ramsey, S  
 0103 MTUWTh11 Bldg. PRH, Rm. 0302 Ramsey, 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 cont.**

- HLTH 230 Introduction to Health Behavior** 3 credits; grading method: Reg/P-F/Aud  
 USF Distributive Studies (D) Soc and Behavioral Sciences Approved Course
- 0101 MTUWThF11 Bldg. PRH, Rm. 1301 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 270 Safety Education** 3 credits; grading method: Reg/P-F/Aud  
 0101 MTUWThF30 Bldg. GG, Rm. 0101 Beck, K  
 Safety in the home, school and community. Safety education programs in the public schools
- HLTH 285 Controlling Stress and Tension** 3 credits; grading method: Reg/P-F/Aud  
 USF Distributive Studies (D) Bldg. PRH, Rm. 0308 Knight, E  
 Emphasis on prevention and control of stress through techniques such as biofeedback, meditation and neuromuscular relaxation.
- 0101 MTUWThF8 Bldg. PRH, Rm. 0308 Hofford, C  
 0102 MTUWThF12.30 Bldg. PRH, Rm. 0308 Allen, R  
 0103 MTUWThF11 Bldg. PRH, Rm. 0308 Fatts, W  
 0202 MTUWThF9.30 Bldg. PRH, Rm. 0308 Fertziger, A  
 0203 MTUWThF11 Bldg. PRH, Rm. 0308 Leischow, S.  
 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 450 Health of Children and Youth** 3 credits; grading method: Reg/P-F/Aud  
 0101 MTUWThF11 Bldg. PRH, Rm. 1303 Feldman, S  
 0201 MTUWThF9.30 Bldg. PRH, Rm. 1303 Miller, C  
 The physical development of 5 to 18 year olds. Physical, mental, social, and emotional health. Psychological health, 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 MTUWThF8 Bldg. PRH, Rm. 0305 Campanelli, L  
 0201 HW7-10PM Bldg. PRH, Rm. 0307 of the Lewis, C  
 Psychological, physiological and socio-economic aspects of aging; nutrition; sexuality; death, dying, and bereavement; self-analysis and creativity; health needs of caregivers.
- HLTH 471 Women's Health** 3 credits; grading method: Reg/P-F/Aud  
 0101 MTUWThF30 Bldg. PRH, Rm. 0308 Hollander, R  
 0102 MTUWThF8 Bldg. PRH, Rm. 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 Death Education** 3 credits; grading method: Reg/P-F/Aud  
 0101 MTUWThF8 Bldg. PRH, Rm. 1312 Leviton, D  
 0102 MTUWThF9.30 Bldg. PRH, Rm. 1312 Leviton, D  
 0201 MTUWThF11 Bldg. PRH, Rm. 1301 Fertziger, A  
 Examination of the genesis and development of present day death attitudes and behavior by use of a multidisciplinary life cycle approach.
- HLTH 477 Human Sexuality** 3 credits; grading method: Reg/P-F/Aud  
 0101 TuWTh8 45-10 45 Bldg. GG, Rm. 0104 Mann, P  
 0102 MTUWThF30 Bldg. PRH, Rm. 1302 Greenberg, J  
 0103 MTUWThF11 Bldg. PRH, Rm. 1312 Greenberg, J  
 0201 MTUWThF8 Bldg. PRH, Rm. 1301 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 social 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  
 Prerequisite: Permission of Instructor Necessary
- 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff  
 A course designed to meet the needs of persons in the field with respect to workshop and research projects in special areas of knowledge not covered by regularly structured courses. Note: the minimum total number of credits that may be transferred with any degree in physical education, recreation, or health education under PHED, RECR, or HLTH 489 is six.
- HLTH 498A Special Topics in Health** 3 credits; grading method: Reg only  
 Weight Control Practicum  
 Limited to students who are at least 100 pounds overweight.
- 0101 TuWTh11-1 Bldg. GG, Rm. 0100 Mann, P  
 Prerequisite: consent of instructor. Topics of special interest in areas not covered by regularly scheduled courses.
- HLTH 498B Special Topics in Health** 3 credits; grading method: Reg/P-F/Aud  
 Driver Improvement Program
- 0101 MTUWThF8 Bldg. GG, Rm. 0101 Clearwater, H
- HLTH 498N Special Topics in Health** 3 credits; grading method: Reg/P-F/Aud  
 Nutrition, Health and Behavior
- 0101 MTUWThF9.30 Bldg. PRH, Rm. 0301 Feldman, R  
 Prerequisite: consent of instructor. Topics of special interest in areas not covered by regularly scheduled courses.
- HLTH 600 Seminar in Health** 1 credit; grading method: Reg/Aud  
 Permission of Instructor Necessary
- 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff
- HLTH 688 Special Problems in Health Education** 1-6 credits; grading method: Reg/Aud  
 Permission of Instructor Necessary
- 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff
- HLTH 688P Special Problems in Health Education** 3 credits; grading method: Reg/Aud  
 Psychophysiological Assessment and Biofeedback
- 01 Jun - 22 Jun Bldg. PRH, Rm. 0308 Allen, R
- HLTH 799 Master's Thesis Research** 1-6 credits; grading method: Reg only  
 0101 Arranged Bldg. Arr. Staff
- HLTH 899 Doctoral Dissertation Research** 1-8 credits; grading method: Reg only  
 0101 Arranged Bldg. Arr. Staff

**HORT (AG AND LIFE SCI)**

- HORT 399 Special Problems** 2 credits; grading method: Reg/P-F/Aud  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff  
 Credit arranged according to work done. For major students in horticulture or botany. Four credits maximum per student.
- HORT 699 Special Problems in Horticulture** 1-3 credits; grading method: Reg/Aud  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff  
 First and second semester. Credit according to time scheduled and organization of the course. Organized as an experimental program other than the student's thesis program. Maximum credit allowed toward an advanced degree shall not exceed four hours of experimental work.
- HORT 799 Master's Thesis Research** 1-6 credits; grading method: Reg only  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff

**HORT cont.**

**HORT 899 Doctoral Dissertation Research** 1-8 credits; grading method: Reg only  
0101 Arranged Bldg Arr. Staff  
0201 Arranged Bldg Arr. Staff

**HSAD****HOUSING AND APPLIED DESIGN (HUM AND COM RES)**

**HSAD 251 Family Housing** 3 credits; grading method: Reg/P-F/Aud  
0101 MW/F9-11 Bldg H, Rm. 3418 Bart, P  
Housing and its relationship to family living. A study of factors which shape housing design, investigation of group and individual housing needs and values.

**HSAD 343 Interior Design I** 3 credits; grading method: Reg/P-F/Aud  
Prerequisite: APDS 101, EDIN 210. Bldg. H, Rm. 1108 Odland, S  
0101 WF9 30-4:30 Prerequisites: APDS 101, EDIN 210, or equivalent. Complete presentation of rooms; isometric and perspective projections rendered in color, purchase and work orders. Emphasis on individual and family living space.

**HSAD 344 Interior Design II** 3 credits; grading method: Reg/P-F/Aud  
Prerequisite: HSAD 343 Bldg. H, Rm. 1108 Ellis, D  
0101 TuTh9 30-4:30 Prerequisite: HSAD 343 Continuation of HSAD 343 with emphasis on commercial and contract assignments.

**HSAD 386 Field Work** 1-3 credits; grading method: Reg/P-F/Aud  
0101 Arranged Bldg. Arr. Odland, S

**HSAD 387 Field Work Analysis** 1-3 credits; grading method: Reg/P-F/Aud  
0101 Arranged Bldg. Arr. Odland, S

**HSAD 488 Selected Topics in Housing and Interior Design** 3 credits; grading method: Reg/P-F/Aud  
Designing for the Elderly Bldg. H, Rm. 1108 Staff  
0101 M9 30-4:30, F9 30-4:30 Prerequisite: HSAD 343

**HSAD 499 Individual Study in Housing And/Or Interior Design** 3-4 credits; grading method: Reg/P-F/Aud  
0101 Arranged Bldg. H, Rm. 1108 Odland, S  
Guidance for the advanced student capable of independent subject matter investigation or creative work. Problem chosen with consent of instructor.

**IADM****INSTITUTION ADMINISTRATION (HUM AND COM RES)**

**IADM 799 Master's Thesis Research** 1-6 credits; grading method: Reg only  
0101 Arranged Bldg Arr. Staff  
0201 Arranged Bldg Arr. Staff

**ITAL****ITALIAN (ARTS AND HUM)**

**ITAL 102 Elementary Italian** 4 credits; grading method: Reg/P-F/Aud  
USP Distributive Studies (A) Cultural and Historical Approved Course  
0101 MTUWTh9-11:20 Bldg. LL, Rm. 3120 Russell, C  
Completion of study of basic grammar; written and oral work, with an increasing emphasis on spoken Italian.

**ITAL 499 Special Topics in Italian Studies** 3 credits; grading method: Reg/P-F/Aud  
The Italian Opera Libretto Bldg. LL, Rm. 3207 Russell, C  
0201 MTUWTh9-10:45 An aspect of Italian studies, the specific topic to be announced each time the course is offered. Repeatable for a maximum of 6 credits.

**JOUR****JOURNALISM (ARTS AND HUM)**

**JOUR 100 Introduction to Mass Communication** 3 credits; grading method: Reg only  
USP Distributive Studies (D) Soc and Behavioral Sciences Approved Course  
0101 MTUWThF9 30 Bldg. A, Rm. 0101 Levy, M  
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. Not open to students with credit in JOUR 200.

**JOUR 201 Writing for Mass Media** 3 credits; grading method: Reg/P-F/Aud  
0101 MTUWTh9 30 Bldg. A, Rm. 0110 Nam, S  
0201 MTUWThF9 30 Bldg. A, Rm. 0110 Staff  
Prerequisite: 30 wpm typing ability. Introduction to news, feature and publicity writing for the printed and electronic media, development of news concepts; laboratory in news gathering tools and writing skills.

**JOUR 202 Editing for the Mass Media** 3 credits; grading method: Reg/P-F/Aud  
0201 MTUWThF9 30 Bldg. A, Rm. 0101 Staff  
Prerequisite: JOUR 201. Basic editing skills applicable to all mass media: copy editing, graphic principles and processes, new media technology. Not open to students with credit in JOUR 310.

**JOUR 320 News Reporting** 3 credits; grading method: Reg/P-F/Aud  
0101 MTUWTh9 30 Bldg. A, Rm. 0103 Barkin, S  
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 300 Public Relations Theory** 3 credits; grading method: Reg only  
0101 MTUWTh9 30 Bldg. A, Rm. 0124 Schneider, L  
Prerequisites: JOUR 200 and 201. Study of 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 340 Advertising Communication** 3 credits; grading method: Reg/P-F/Aud  
0101 MTUWThF9 30 Bldg. RR, Rm. 0125 Zanot, E  
Prerequisite: JOUR 202. 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 350 Photojournalism** 3 credits; grading method: Reg/P-F/Aud  
(Prerequisite: JOUR 201 or Permission of Instructor) Bldg. G, Rm. 2116 Staff  
0201 MTUWTh9 8:00 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 cont.**

**JOUR 361 Broadcast News II** 3 credits; grading method: Reg/P-F/Aud  
0101 TuTh9-11 Bldg. A, Rm. 0102 Sabin, H  
Prerequisite: JOUR 360. Writing and editing for the broadcast media. Interpretive and documentary news stories.

**JOUR 362 Advanced Television Journalism** 3 credits; grading method: Reg only  
Prerequisite: JOUR 361 or instructor's Permission Bldg. A, Rm. 0108 Levy, M  
0101 TuTh9-11 Prerequisite: JOUR 361, or permission of instructor. A skills course in which students assume major responsibility for the production of a once weekly tv news and public affairs program. Students will work on extended tv reporting assignments such as mini-series and news documentaries. Note: In addition to classroom time, students are required to devote time out of class in reporting and editing.

**JOUR 371 Magazine Article and Feature Writing** 3 credits; grading method: Reg/P-F/Aud  
Prerequisite: JOUR 201 Bldg. A, Rm. 0108 Barkin, S  
0101 MTUWTh11 Prerequisite: JOUR 201. Study of types of feature articles, particularly for the magazine market, analysis of the magazine medium and specialized audiences; practice in researching and writing the feature article; analysis of free-lance markets. Prerequisites: JOUR 200, 201.

**JOUR 398 Independent Study** 1-3 credits; grading method: Reg/P-F/Aud  
By Permission Only Bldg. Arr. Staff  
0101 Arranged Bldg. Arr. Staff  
0201 Arranged Bldg. Arr. Staff  
Individual projects in journalism. May be repeated to a maximum of three credits.

**JOUR 398 Supervised Internship** 3 credits; grading method: Reg/P-F/Aud  
Prerequisite: JOUR 201 Bldg. G, Rm. 3113 Hines, B  
0101 Arranged Bldg. G, Rm. 3113 Staff  
0201 Arranged Bldg. G, Rm. 3113 Staff  
Prerequisite: JOUR 202. First course of journalism sequence related to the internship and consent of instructor. Internship experience with communication professionals in newspapers, news broadcasting, public relations, advertising, magazines, photojournalism, and science communication. Relation of academic training to professional experience. May be repeated for a total of 6 credits.

**JOUR 400 Law of Mass Communication** 3 credits; grading method: Reg/P-F/Aud  
0101 MTUWTh9-11 Bldg. A, Rm. 0101 Fields, J  
Legal rights and constraints of mass media: libel, privacy, copyright, monopoly, and contempt, and other aspects of the law applied to mass communication. Previous study of the law not required.

**JOUR 430 Comparative Mass Communication Systems** 3 credits; grading method: Reg only  
0101 MTUWThF11 Bldg. A, Rm. 0124 Nam, S  
Comparative analysis of the role of the press in different societies.

**JOUR 450 Mass Media in Society** 3 credits; grading method: Reg only  
0201 MTUWTh9 30 Bldg. A, Rm. 0101 Hiebert, R  
Ethical, moral, political, economic, and social consideration of mass communication.

**JOUR 490 Advising Student Publications** 3 credits; grading method: Reg/P-F/Aud  
0101-27 Jun-18 Jul Boyle, R  
0101-27 Jun-18 Jul Boyle, R  
Journalistic writing and editing in student newspapers, yearbooks, and magazines; label and policy; curriculum and teaching procedures; role of student publications.

**JOUR 492 Typography and Layout for Student Publications** 3 credits; grading method: Reg/P-F/Aud  
0101-27 Jun-18 Jul Boyle, R  
0101-27 Jun-18 Jul Boyle, R  
Type design, type families, graphics, art, photography, and editorial and advertisement layout of school newspapers, year books, and magazines. Not open to students with credit in JOUR 202.

**JOUR 698 Special Problems in Communication** 3 credits; grading method: Reg/Aud  
0101 Arranged Bldg. Arr. Staff  
0201 Arranged Bldg. Arr. Staff  
Independent study in the area of the student's interest. Repeatable to a maximum of six credits.

**JOUR 798 Masters Professional Fieldwork** 3 credits; grading method: Reg/Aud  
0101 Arranged Bldg. Arr. Staff  
0201 Arranged Bldg. Arr. Staff  
Research for and preparation of news articles or programs for use in the mass media or in development of public relations or in advertising programs for actual organizations. Analysis of fieldwork experience using communication theory and research results. Fieldwork may be done independently or as an internship. Repeatable for a maximum of six credits.

**JOUR 799 Master's Thesis Research** 1-6 credits; grading method: Reg only  
0101 Arranged Bldg. Arr. Staff  
0201 Arranged Bldg. Arr. Staff

**LBSC****LIBRARY SERVICE (HUM AND COM RESOURCES)**

College of library and information services workshop-on-line company-related information - see special features section of catalog.  
An overview of the commercially available online databases providing access to information on companies.

**LBSC 488P Recent Trends and Issues in Library and Information Services** 2 credits; grading method: Reg only  
Performance Oriented Planning and Evaluation for Libraries and Information Centers  
0201 12 Jul-29 Jul Last Week Is Individual Consultation With Instructor On Individual Projects, Reporting to Class July 29  
0201 MTUWThF9-11 Bldg. ULB, Rm. 0115 Liesener, J  
An introduction to the concepts, techniques and problems of planning and evaluating library performance in all kinds of library settings with opportunities to review and analyze specific approaches developed for particular kinds of library settings.

**LBSC 499A Workshop, Clinics, and Institutes** 3 credits; grading method: s-f only  
Workshop In Archival Automation For Information On Non-Credit Workshop, (Fee \$250) Contact Jean Diennenbrock in the College of Library and Information Services, 454-3017.  
Additional Project and Lab Required  
0101 TuThS 30-3:30 Bldg. ULB, Rm. 0105 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 administrative/ documentary collections with computer assistance.

**LBSC 499C Workshops, Clinics, and Institutes** 1 credit; grading method: s-f only  
Planning, Implementation and Evaluation of Library Services for Children  
0101-16 Jun-17 Jun-5pm, 20 Jun-22 Jun 2-5pm For Information On Non-Credit Workshop (Fee \$100), Contact Jean Diennenbrock in the College of Library and Information Services, 454-3017.  
0101 ThF5-8, MTuW9-2 Bldg. ULB, Rm. 0109 Salvadore, M  
Explores the range of library services for children from early days to present. Participants will develop measurable objectives for children's services within an organizational structure and methods of evaluation will be examined. Introduces some programming and material selection.



**LBSC cont.**

- LBSC 494J Workshops, Clinics, and Institutes 3 credits; grading method: s-f only**  
**On-Line Access to Business Information**  
 Additional Fee \$50.00.  
 Pre-Requirement: Knowledge of Dialog  
 Plus Additional Project  
 For information see special features section of catalog
- 0201 MTuThS-8 Bldg. ULB, Rm. 0109 White, M  
 Surveys the databases providing access to business information, including bibliographic, statistical and director databases. Includes 10 hours supervised searching
- LBSC 499L Workshops, Clinics, and Institutes 1 credit; grading method: s-f only**  
**Oral History and Folklore Sound Collections**  
 Additional Laboratory Session Required  
 0201 - 09 Aug-13 Aug  
 For Information On Non-Credit Workshop, See Special Features Section of Catalog
- 0201 MTuWThF6-9, Arranged Bldg. ULB, Rm. 3114 Sheow, F  
 A workshop designed to teach the essentials of organizing and maintaining tape collections, including conservation, forms-design, and retrieval for manual and automated systems
- LBSC 499M Workshops, Clinics, and Institutes 1 credit; grading method: s-f only**  
**The Hero In Children's Literature**  
 0201 - 12 Jul-23 Jul  
 Tues and Thurs July 12, 14, 19, 21; Sat Jul 23, 9-12am  
 For Information On Non-Credit Workshop, Contact Jean Diapenbrock in the College of Library and Information Services, 454-3017.
- 0201 TuThS-30-30, SA49-12 Bldg. ULB, Rm. 0105 Sheldon, A  
 Examines both traditional and contemporary books for children grades 7-9
- LBSC 499Y Workshops, Clinics, and Institutes 1 credit; grading method: s-f only**  
**On-Line Reference Service - ORBIT**  
 Saturdays, July 16 and 30, 8:30-12, 1-5  
 Plus Additional Project  
 Additional Charge \$15.00.  
 For Information On Non-Credit Workshop, See Special Features Section of Catalog
- 0201 SA8.30-12.5A1-5 Bldg. ULB, Rm. 0103 White, M  
 Provides students with a compact introduction to interactive bibliographic retrieval using the Orbit interface language.
- LBSC 600 Proseminar: the Development and Operation of Libraries and Information Services 3 credits; grading method: Reg/Aud**
- 0201 MTuWThS30-10.25 Bldg. ULB, Rm. 0109 Kidd, J  
 Background and an orientation for advanced study in library and information services, including such areas as libraries at social institutions and as organizations; communication, professionalism, and the use and economics of information
- LBSC 630 Library Administration 3 credits; grading method: Reg/Aud**  
 0101-01 Jun-24 Jun Bldg. ULB, Rm. 0109 Wasseman, P
- LBSC 641 Selection and Evaluation of Instructional Media 3 credits; grading method: Reg/Aud**  
 Additional Project Required
- 0201 MW8.30-12 Bldg. ULB, Rm. 0115 Williams, H  
 Development of criteria and methods for selection and evaluation of media for training and instruction. Role of human factors and appropriate technology in designing instructional systems
- LBSC 651 Introduction to Reference and Information Services 3 credits; grading method: Reg/Aud**  
 0201 MTuWThS30-12.25 Bldg. ULB, Rm. 0103 Cunningham, W  
 Information and reference systems, services, and tools provided in libraries and information centers. Problems and concepts of communication, question negotiation, bibliographic control, and search processes are considered. Major types of information sources and modes of information delivery are introduced
- LBSC 675 Introduction to Information Storage and Retrieval (ISAR) Systems 3 credits; grading method: Reg/Aud**  
 Class Meets Mwtw With Flexible Scheduling
- 0101 MWTh2-5 Bldg. ULB, Rm. 0103 Soergel, D  
 Micro-organization of information services and basic principles underlying both manual and mechanized systems, including the conceptual structure of indexing languages and search strategies, file organization, typology of classifications, abstracting, and indexing
- LBSC 690 Introduction to Data Processing for Libraries and Information Services 3 credits; grading method: Reg/Aud**  
 Data Processing For Libraries and Information Centers
- 0101 MWTh6.30-9.15 Bldg. ULB, Rm. 0103 Soergel, D  
 A general introduction to computers and their use in libraries and other information systems, including such topics as systems analysis, structured programming, file structure, data base management systems, and specific areas of application and management of data processing
- LBSC 707 Field Study In Library Service 3 credits; grading method: Reg/Aud**  
 Prerequisites: Lbsc 600, 651, 671, 690 and Permission of Instructor
- 0201 Arranged Bldg. Arr. Cunningham, W  
 Prerequisite: LBSC 600, 651, 671, 690 or permission of instructor. Familiarization of students with library operations through field, supervised experience and the opportunity to perform a study to solve a specific problem in a suitable library or other information agency.
- LBSC 709 Independent Study 1-3 credits; grading method: Reg/Aud**
- 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff  
 Designed to permit intensive individual study, reading or research in an area of specialized interest under faculty supervision. Registration is limited to the advanced student who has the approval of his advisors and of the faculty member involved. No student may earn more than 9 hours under LBSC 708, more than 9 hours under LBSC 709, nor more than a total of 12 hours in both LBSC 708 and 709.
- LBSC 745 Storytelling Materials and Techniques 3 credits; grading method: Reg/Aud**  
 Additional Project Required
- 0201 TuThS-30-12 Bldg. ULB, Rm. 0115 Williams, H  
 Literary sources are studied and instruction and practice in oral techniques are offered
- LBSC 753 Literature and Research in the Social Sciences 3 credits; grading method: Reg/Aud**
- 0101 MTuWThS12-12 Bldg. ULB, Rm. 0103 Reynolds, 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 756 Literature and Research in Science and Technology 3 credits; grading method: Reg/Aud**
- 0201 MTuThS-8 Bldg. ULB, Rm. 0115 Wellisch, H  
 The nature of sci-tech information, its generation and use by scientists and engineers, and its flow through formal and informal channels. The principal sources of sci-tech information, their characteristics, scope and utilization.
- LBSC 766 Business Information Services 3 credits; grading method: Reg/Aud**  
 0101-01 Jun-24 Jun Bldg. ULB, Rm. 4113 Wasseman, P
- 0101 MTuWThF2-4.30 Bldg. ULB, Rm. 4113 Wasseman, 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**  
 0101 MWThS 30-8.30 Bldg. ULB, Rm. 0115 Reynolds, M  
 Production and distribution of government information and its control and utilization within information agencies. State, local, foreign and international governmental information practices

**LBSC cont.**

- LBSC 781 Problems of Nonbook Materials 3 credits; grading method: Reg/Aud**
- 0201 MTuThF10.30-12.25 Bldg. ULB, Rm. 0113 Wellisch, H  
 Examination of nonbook materials such as audorecord, motion pictures, maps, videorecord, machines, microfilm data files, and realia. Technical services applicable to nonbook materials
- LBSC 899 Doctoral Dissertation Research 1-8 credits; grading method: Reg only**
- 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff
- 
- LENF**
- INSTITUTE OF CRIMINAL JUSTICE AND CRIMINOLOGY**  
 (BEHAV AND SOC SCI)
- LENF 100 Introduction to Law Enforcement 3 credits; grading method: Reg-P-F/Aud**  
 USP Distributive Studies (D) Soc and Behavioral Sciences Approved Course
- 0101 MTuWThF12 Bldg. SSB, Rm. 1220 Luchida, C  
 0201 MTuWThF12.30 Bldg. SSB, Rm. 1220 Luchida, C  
 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; direction; policy formulation.
- LENF 220 Investigation in Law Enforcement 3 credits; grading method: Reg-P-F/Aud**
- 0201 TuTh-9 Bldg. SSB, Rm. 2220L Mauriello, T  
 Investigation as a process of communication. Principles and problems in information collection and evaluation; impartial gathering and evaluation of data. Crime scene search and recording; collection and preservation of physical evidence; scientific aids; modus operandi; sources of information; interviewing; follow-up and case preparation.
- LENF 230 Criminal Law in Action 3 credits; grading method: Reg-P-F/Aud**
- 0101 MTuWThF Bldg. SSB, Rm. 2206 Ingraham, B  
 Law as one of the methods of social control. Criminal law: its nature, sources, and types; theories and historical developments. Behavioral and legal aspects of criminal acts. Classification and analysis of selected criminal offenses.
- LENF 320 Introduction to Criminallistics 3 credits; grading method: Reg-P-F/Aud**
- 0101 TuTh-9 Bldg. SSB, Rm. 2220L Mauriello, 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 lie detection.
- LENF 398 Law Enforcement Field Training 1-3 credits; grading method: Reg-P-F/Aud**
- 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff  
 Prerequisites: 6 credits of law enforcement agencies. Repeatable to a maximum of six credits.
- LENF 399 Directed Independent Research 1-3 credits; grading method: Reg-P-F/Aud**
- 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff  
 Prerequisites: 12 credit hours in law enforcement or criminology; consent of instructor. Supervised individual research and study: library and field research, surveys, special local problems. Repeatable to a maximum of six credits.
- LENF 699 Special Problems in Criminal Justice 1-3 credits; grading method: Reg/Aud**
- 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff  
 Prerequisite: consent of instructor. Supervised study of a selected problem in the field of criminal justice. Repeatable to a maximum of 6 credits.
- LENF 799 Master's Thesis Research 1-6 credits; grading method: Reg only**
- 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff

**MAPL**

- APPLIED MATHEMATICS (MATH AND PHY SCI AND ENG)**
- MAPL 799 Master's Thesis Research 1-6 credits; grading method: Reg only**
- 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff
- MAPL 899 Doctoral Dissertation Research 1-8 credits; grading method: Reg only**
- 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff

**MATH**

- MATHEMATICS (MATH AND PHY SCI AND ENG)**
- Math workshop for building confidence in math and reviewing high school algebra will be held June 11, 1993 through June 23, 1993 MTuWThF 9-12. To register see information under MPSE workshop section of schedule of classes
- MATH 110 Introduction to Mathematics I 3 credits; grading method: Reg-P-F/Aud**  
 MATH 110 is not open to students in MPSE Division.
- 0101 MTuWThF9 Bldg. Y, Rm. 0101 Staff  
 0102 MTuWThF9.30 Bldg. Y, Rm. 0101 Staff  
 0103 MTuWThF9.30 Bldg. Y, Rm. 0102 Staff  
 0104 MTuWThF11 Bldg. Y, Rm. 0101 Staff  
 0105 MTuWThF11 Bldg. Y, Rm. 0405 Staff  
 0201 MTuWThF6 Bldg. Y, Rm. 0101 Staff  
 0202 MTuWThF9.30 Bldg. Y, Rm. 0103 Staff  
 0203 MTuWThF11 Bldg. Y, Rm. 0101 Staff
- Prerequisite: two and one half 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 variable expectation applications of the normal probability distribution. Credit will be given for only one course, MATH 110 or MATH 115.
- MATH 111 Introduction to Mathematics II 3 credits; grading method: Reg-P-F/Aud**  
 USP Distributive Studies (B) Nat Sciences and Mathematics Approved Course  
 MATH 111 is not open to students in MPSE Division.
- 0101 MTuWThF9 Bldg. Y, Rm. 0103 Staff  
 0102 MTuWThF9.30 Bldg. Y, Rm. 0103 Staff  
 0103 MTuWThF11 Bldg. Y, Rm. 0102 Staff  
 0201 MTuWThF6 Bldg. Y, Rm. 0103 Staff  
 0202 MTuWThF9.30 Bldg. Y, Rm. 0103 Staff
- Prerequisite: 3-1/2 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 variable 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 cont.**

<b>MATH 115 Pre-Calculus 3 credits; grading method: Reg-P/F/Aud</b>			
0101	MTuWThF8	Blgd. Y. Rm. 0401	Staff
0102	MTuWThF11	Blgd. Y. Rm. 0105	Staff
0201	MTuWThF9_30	Blgd. Y. Rm. 0105	Staff
0202	MTuWThF9_30	Blgd. Y. Rm. 0105	Staff
0203	MTuWThF11	Blgd. Y. Rm. 0105	Staff

Prerequisite: 2-1/2 years of college preparatory mathematics and an appropriate score on the SAT mathematics test, or MATH 001, 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.

<b>MATH 140 Calculus I 4 credits; grading method: Reg-P/F/Aud</b>			
<b>USP Distributive Studies (B) Nat Sciences and Mathematics Approved Course</b>			
0101 - 01 Jun-22 Jul			
0102 - 01 Jun-22 Jul			
0103 - 01 Jun-22 Jul			
0104 - 01 Jun-22 Jul			
0105 - 01 Jun-22 Jul			

0101	MTuWThF8	Blgd. Y. Rm. 0302	Staff
0102	MTuWThF8	Blgd. Y. Rm. 0405	Staff
0103	MTuWThF9_30	Blgd. Y. Rm. 0304	Staff
0104	MTuWThF9_30	Blgd. Y. Rm. 0405	Staff
0105	MTuWThF11	Blgd. Y. Rm. 0401	Staff

<b>MATH 141 Calculus II 4 credits; grading method: Reg-P/F/Aud</b>			
<b>USP Distributive Studies (B) Nat Sciences and Mathematics Approved Course</b>			
0101 - 01 Jun-22 Jul			
0102 - 01 Jun-22 Jul			
0103 - 01 Jun-22 Jul			
0104 - 01 Jun-22 Jul			
0105 - 01 Jun-22 Jul			

0101	MTuWThF8	Blgd. Y. Rm. 0304	Staff
0102	MTuWThF8	Blgd. Y. Rm. 0305	Staff
0103	MTuWThF9_30	Blgd. Y. Rm. 0305	Staff
0104	MTuWThF9_30	Blgd. Y. Rm. 0306	Staff
0105	MTuWThF11	Blgd. Y. Rm. 0305	Staff

<b>MATH 210 Elements of Mathematics 4 credits; grading method: Reg-P/F/Aud</b>			
<b>USP Distributive Studies (B) Nat Sciences and Mathematics Approved Course</b>			
0101 - 01 Jun-22 Jul			
0102 - 01 Jun-22 Jul			
0103 - 01 Jun-22 Jul			
0104 - 01 Jun-22 Jul			
0105 - 01 Jun-22 Jul			

<b>MATH 211 Elements of Geometry 4 credits; grading method: Reg-P/F/Aud</b>			
<b>USP Distributive Studies (B) Nat Sciences and Mathematics Approved Course</b>			
0101 - 01 Jun-22 Jul			
0102 - 01 Jun-22 Jul			
0103 - 01 Jun-22 Jul			
0104 - 01 Jun-22 Jul			
0105 - 01 Jun-22 Jul			

<b>MATH 220 Elementary Calculus I 3 credits; grading method: Reg-P/F/Aud</b>			
<b>USP Distributive Studies (B) Nat Sciences and Mathematics Approved Course</b>			
0101	MTuWThF8	Blgd. Y. Rm. 0105	Staff
0102	MTuWThF8	Blgd. Y. Rm. 0306	Staff
0103	MTuWThF9_30	Blgd. Y. Rm. 0105	Staff
0104	MTuWThF11	Blgd. Y. Rm. 0302	Staff
0105	MTuWThF11	Blgd. Y. Rm. 0306	Staff
0201	MTuWThF11	Blgd. Y. Rm. 0306	Staff
0202	MTuWThF11	Blgd. Y. Rm. 0407	Staff
0203	MTuWThF11	Blgd. Y. Rm. 0407	Staff

<b>MATH 241 Elementary Calculus II 3 credits; grading method: Reg-P/F/Aud</b>			
<b>USP Distributive Studies (B) Nat Sciences and Mathematics Approved Course</b>			
0101	MTuWThF9_30	Blgd. Y. Rm. 0307	Staff
0201	MTuWThF8	Blgd. Y. Rm. 0403	Staff

<b>MATH 240 Linear Algebra 4 credits; grading method: Reg-P/F/Aud</b>			
<b>USP Distributive Studies (B) Nat Sciences and Mathematics Approved Course</b>			
0101 - 01 Jun-22 Jul			
0102 - 01 Jun-22 Jul			
0103 - 01 Jun-22 Jul			
0104 - 01 Jun-22 Jul			
0105 - 01 Jun-22 Jul			

0101	MTuWThF11	Blgd. Y. Rm. 0106	Staff
0102	MTuWThF11	Blgd. Y. Rm. 0201	Staff

<b>MATH 246 Differential Equations for Scientists and Engineers 3 credits; grading method: Reg-P/F/Aud</b>			
<b>USP Distributive Studies (B) Nat Sciences and Mathematics Approved Course</b>			
0101	MTuWThF8	Blgd. Y. Rm. 0201	Staff
0102	MTuWThF9_30	Blgd. Y. Rm. 0201	Staff
0103	MTuWThF11	Blgd. Y. Rm. 0307	Staff
0201	MTuWThF8	Blgd. Y. Rm. 0307	Staff

**MATH 202 cont.**

0202	MTuWThF9_30	Blgd. Y. Rm. 0407	Staff
0203	MTuWThF11	Blgd. Y. Rm. 0407	18Staff

<b>MATH 406 Introduction to Number Theory 3 credits; grading method: Reg-P/F/Aud</b>			
<b>Course Meets University Studies Program Advanced Studies Requirement</b>			
0201	MTuWThF8	Blgd. Y. Rm. 0104	Staff
0202	MTuWThF11	Blgd. Y. Rm. 0104	Staff

<b>MATH 410 Advanced Calculus I 3 credits; grading method: Reg-P/F/Aud</b>			
0101 - 01 Jun-22 Jul			
0101	MTuWThF9_30	Blgd. Y. Rm. 0403	Staff

<b>MATH 444 Elementary Logic and Algorithms 3 credits; grading method: Reg-P/F/Aud</b>			
0101	MTuWThF9_30	Blgd. Y. Rm. 0303	Staff
0102	MTuWThF11	Blgd. Y. Rm. 0303	Staff

<b>MATH 461 Linear Algebra for Scientists and Engineers 3 credits; grading method: Reg-P/F/Aud</b>			
For Each of the Following Pairs, Credit Will Be Given For Only One of the Two Listed Courses: Math 461 and Math 240, Math 461 and Math 400.			

0101	MTuWThF8	Blgd. Y. Rm. 0403	Staff
0102	MTuWThF9_30	Blgd. Y. Rm. 0407	Staff
0201	MTuWThF9_30	Blgd. Y. Rm. 0102	Staff

<b>MATH 462 Partial Differential Equations for Scientists and Engineers 3 credits; grading method: Reg-P/F/Aud</b>			
0101	MTuWThF11	Blgd. Y. Rm. 0403	Staff
0201	MTuWThF11	Blgd. Y. Rm. 0103	Staff

<b>MATH 463 Complex Variables for Scientists and Engineers 3 credits; grading method: Reg-P/F/Aud</b>			
0101	MTuWThF8	Blgd. Y. Rm. 0303	Staff
0201	MTuWThF8	Blgd. Y. Rm. 0401	Staff
0202	MTuWThF9_30	Blgd. Y. Rm. 0301	Staff

<b>MATH 799 Master's Thesis Research 1-6 credits; grading method: Reg only</b>			
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff

<b>MATH 899 Doctoral Dissertation Research 1-8 credits; grading method: Reg only</b>			
0101	Arranged	Blgd. Arr.	Staff
0201	Arranged	Blgd. Arr.	Staff

**MEES****MARINE-ESTUARINE-ENVIRONMENTAL SCIENCES**

<b>MEES 631 Ecology of Estuarine Microbes I 5 credits; grading method: Reg/Aud</b>			
0201 - Class meets at Chesapeake Biological Laboratory			
<b>MEES 632 Ecology of Estuarine Microbes II 1 credit; grading method: Reg/Aud</b>			
0201 - Class meets at Chesapeake Biological Lab			

<b>MEES 686C Special Topics in Marine-Estuarine-Environmental Sciences 3 credits; grading method: Reg/Aud</b>			
0101 TuWTh9_30-1100	Blgd. Arr.		Boynton, W

<b>MEES 686E Special Topics in Marine-Estuarine-Environmental Sciences 3 credits; grading method: Reg/Aud</b>			
0101 TuWTh11-12 TuWTh11-4	Blgd. Arr.		Means, J

<b>MEES 686F Special Topics in Marine-Estuarine-Environmental Sciences 3 credits; grading method: Reg/Aud</b>			
0201 Th2-5, P8-5	Blgd. Arr.		Twilley, R

<b>MEES 686G Special Topics in Marine-Estuarine-Environmental Sciences 3 credits; grading method: Reg/Aud</b>			
0101 Th9-12, Th1-4, F9-12	Blgd. Arr.		Ward, L

<b>MEES 698L Special Topics in Marine-Estuarine-Environmental Sciences 3 credits; grading method: Reg/Aud</b>			
0101 TuWTh9-12, M10-12	Blgd. Arr.		Smucker, R

**MEES cont.**

<b>MEES 699</b>	<b>Special Problems in Marine-Estuarine-Environmental Sciences</b>		
0101	Arranged	1-3 credits, grading method: Reg/Aud	
0201	Arranged		Staff
	Research on specialized topics under the direction of individual faculty members		
<b>MEES 799</b>	<b>Masters Thesis Research</b>	1-6 credits, grading method: Reg only	
0101	Arranged		Staff
0201	Arranged		Staff
<b>MEES 899</b>	<b>Doctoral Dissertation Research</b>	1-8 credits, grading method: Reg only	
0101	Arranged		Staff
0201	Arranged		Staff

**METO**

(MATH AND PHY SCI AND ENG)

**METEOROLOGY**

<b>METO 499</b>	<b>Special Problems in Atmospheric Science</b>	1-3 credits, grading method: Reg/P-F/Aud	
0101	Arranged		Staff
0201	Arranged		Staff
	Prerequisite: consent of instructor. Research or special study in the field of meteorology and the atmospheric and oceanic sciences. Repeatable to a maximum of 6 credits.		
<b>METO 658A</b>	<b>Special Topics in Meteorology</b>	1-3 credits, grading method: Reg/Aud	
0101	Arranged		Staff
0201	Arranged		Staff
	Prerequisite: consent of instructor. The topic is given intensive study.		
<b>METO 799</b>	<b>Master's Thesis Research</b>	1-6 credits, grading method: Reg only	
0101	Arranged		Staff
0201	Arranged		Staff
<b>METO 899</b>	<b>Doctoral Dissertation Research</b>	1-8 credits, grading method: Reg only	
0101	Arranged		Staff
0201	Arranged		Staff

**MICB**

(AG AND LIFE SCI)

**MICROBIOLOGY**

<b>MICB 100</b>	<b>Basic Microbiology</b>	4 credits, grading method: Reg only	
0101	Arranged		Staff
0201	Arranged		Staff
	Prerequisite: consent of instructor. Research or special study in the field of meteorology and the atmospheric and oceanic sciences. Repeatable to a maximum of 6 credits.		
<b>MICB 101</b>	<b>USP Disruptive Studies (B) Nat. Sciences and Mathematics Approved Course</b>		
0101	MTuWThF9-9.30/MTuW9.30-11.30 Lec. Bldg. SSB, Rm. 2208; Disc. Bldg. T, Rm. 2122		Cook, T
0202	MTuWThF8-9.30/MTuW9.30-11.30 Lec. Bldg. SSB, Rm. 2208; Disc. Bldg. T, Rm. 2119		Cook, T
	An introduction to the world of macro organisms that is designed for the general student. A survey of microscopic life forms and their activities that emphasizes their importance for human welfare. This course is not intended for students majoring in biological or allied health sciences, and it cannot be used to fulfill the 24 credits required for a major in microbiology. Credit not allowed for both MICB 100 and MICB 200.		
<b>MICB 200</b>	<b>General Microbiology</b>	4 credits, grading method: Reg/P-F/Aud	
0101	MTuWThF8/MTuWThF9-11 Lec. Bldg. T, Rm. 0124; Disc. Bldg. T, Rm. 2105		Hetnick, F
0102	MTuWThF8/MTuWThF9-11 Lec. Bldg. T, Rm. 0124; Disc. Bldg. T, Rm. 2113		Hetnick, F
0201	MTuWTh9.30-10.50/MTuWTh10.50-1 Lec. Bldg. T, Rm. 0124; Lab. Bldg. T, Rm. 2105		Weiner, R
0202	MTuWTh9.30-10.50/MTuWTh10.50-1 Lec. Bldg. T, Rm. 0124; Lab. Bldg. T, Rm. 2109		Weiner, R
	Prerequisite: two semesters of chemistry. The biology of microorganisms, with special reference to the bacteria. Fundamental principles of microbiology as revealed through an examination of the structure, physiology, genetics, and ecology of microorganisms.		
<b>MICB 379</b>	<b>Honors Research</b>	3 credits, grading method: Reg/P-F/Aud	
0101	Arranged		Staff
0201	Arranged		Staff
	Prerequisite: admission to departmental honors program. Research project carried out under guidance of faculty advisor. Repeatable to a total of 12 credits.		
<b>MICB 388</b>	<b>Special Topics in Microbiology</b>	1-4 credits, grading method: Reg/P-F/Aud	
0101	Arranged		Sjohlad, R
0201	Arranged		Sjohlad, R
	Prerequisite: eight credits in microbiology, or consent of instructor. Presentation and discussion of special subjects in the field of microbiology. A minimum of four credit hours of MICB 388 may be applied to a major in microbiology.		
<b>MICB 399</b>	<b>Microbiological Problems</b>	3 credits, grading method: Reg/P-F/Aud	
0101	Arranged		Staff
0201	Arranged		Staff
	Prerequisite: 16 credits in microbiology registration only upon the consent of the instructor. This course is arranged to provide qualified majors in microbiology and majors in applied fields an opportunity to pursue specific microbiological problems under the supervision of a member of the department.		
<b>MICB 440</b>	<b>Pathogenic Microbiology</b>	4 credits, grading method: Reg only	
0101	Arranged		McNicol, L
0201	Arranged		McNicol, L
	Prerequisite: MICB 200. The role of bacteria and fungi in the diseases of man with emphasis upon the differentiation and culture of microorganisms, types of disease, modes of disease transmission, prophylaxis, therapeutic, and epidemiological aspects.		
<b>MICB 450</b>	<b>Immunology</b>	4 credits, grading method: Reg/P-F/Aud	
0101	MTuWThF9.30-10.30/MTuWThF10.30-12.30 Lec. Bldg. T, Rm. 0124; Lab. Bldg. T, Rm. 2106		Robertson, B
	Prerequisite: MICB 440. Principles of immunity; hypersensitiveness. Fundamental techniques of immunology.		
<b>MICB 688</b>	<b>Special Topics</b>	1-4 credits, grading method: Reg/Aud	
0101	Arranged		Staff
0201	Arranged		Staff
	First semester. Prerequisite: twenty credits in microbiology. Presentation and discussion of fundamental problems and special subjects in the field of microbiology.		
<b>MICB 799</b>	<b>Master's Thesis Research</b>	1-6 credits, grading method: Reg only	
0101	Arranged		Staff
0201	Arranged		Staff
<b>MICB 699</b>	<b>Doctoral Dissertation Research</b>	1-8 credits, grading method: Reg only	
0101	Arranged		Staff
0201	Arranged		Staff

**MUSIC EDUCATION (ARTS AND HUM)**

<b>MUED 478A</b>	<b>Special Topics in Music Education</b>	1 credit, grading method: Reg/Aud	
0201	MTuWThF9-4 Kodaly+Rus 0201 25 Jul-29 Jul		Staff
	Prerequisite: MUEd 470 or consent of department.		
<b>MUED 478C</b>	<b>Special Topics in Music Education</b>	1 credit, grading method: Reg/Aud	
0201	MTuWThF1-2.30 Choral Materials and Vocal Techniques for Elementary and Middle/Junior High School 0201 - 12 Jul-22 Jul	Bldg. NN, Rm. 3238	Falstrom, R
	Prerequisite: MUEd 470 or consent of department.		
<b>MUED 478D</b>	<b>Special Topics in Music Education</b>	1 credit, grading method: Reg/Aud	
0201	MTuWThF1-2.30 Guitar: Techniques and Literature for Teaching 0201 - 12 Jul-22 Jul	Bldg. NN, Rm. 2123	Reid, H
	Prerequisite: MUEd 470 or consent of department.		
<b>MUED 478E</b>	<b>Special Topics in Music Education</b>	1 credit, grading method: Reg/Aud	
0201	MTuWThF2.45-4.15 Instrumental Repair for Woodwinds 0201 - 12 Jul-22 Jul	Bldg. NN, Rm. 1102	Staff
	Prerequisite: MUEd 470 or consent of department.		
<b>MUED 478F</b>	<b>Special Topics in Music Education</b>	1 credit, grading method: Reg/Aud	
0201	MTuWThF1-2.30 The Marching Band: Techniques for Problem Solving 0201 - 12 Jul-22 Jul	Bldg. NN, Rm. 1102	Zimmer, C
	Prerequisite: MUEd 470 or consent of department.		
<b>MUED 478G</b>	<b>Special Topics in Music Education</b>	1 credit, grading method: Reg/Aud	
0201	MTuWThF4.30-6 Developing Performance Skills in the Secondary Jazz Band 0201 - 12 Jul-22 Jul	Bldg. NN, Rm. 1102	Ross, G
	Prerequisite: MUEd 470 or consent of department.		
<b>MUED 499B</b>	<b>Workshops, Clinics, Institutes</b>	2 credits, grading method: Reg/Aud	
0201	MTuWThF8.30-12 The Music Class: a Musical, Aesthetic, Intellectual and Social Experience 0201 - 12 Jul-22 Jul	Bldg. NN, Rm. 3238	Falstrom, R
	Innovative and experimental dimensions of music education will be offered to meet the needs of music teachers and music supervisors and to allow students to individualize their programs.		
<b>MUED 699B</b>	<b>Current Trends in Music Education</b>	2 credits, grading method: Reg/Aud	
0201	MTuWThF9.30-12 The Music Class: a Musical, Aesthetic, Intellectual and Social Experience 0201 - 12 Jul-22 Jul	Bldg. NN, Rm. 3238	Falstrom, R
	A survey of current and emerging philosophies, methodologies and curricula in music education and their implementation. The influence of educational and social changes and the expanding musical scene upon the music programs for children of all ages and for teacher education.		

**MUSC**

(ARTS AND HUM)

<b>MUSC 102B</b>	<b>Beginning Class Piano I</b>	2 credits, grading method: Reg/P-F	
0101	MTuWThF10 Open to Non-Music Majors	Bldg. NN, Rm. 3228	Sheets, R
0201	MTuWThF10 Functional piano training for beginners. Development of techniques useful for school and community playing. Basic piano techniques, chord, arpeggio, and scale techniques, melody and song playing; simple accompaniments, improvisation for accompaniments and rhythms, sight reading and transcription, and playing by ear.	Bldg. NN, Rm. 3228	Sheets, R
<b>MUSC 130</b>	<b>Survey of Music Literature</b>	3 credits, grading method: Reg/P-F/Aud	
0101	MTuWThF9 USP Disruptive Studies (C) Literature and Arts Approved Course	Bldg. NN, Rm. 2102	Truh, 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.		
<b>MUSC 140</b>	<b>Music Fundamentals I</b>	3 credits, grading method: Reg/P-F/Aud	
0201	MTuWThF2 USP Disruptive Studies (C) Literature and Arts Approved Course	Bldg. NN, Rm. 2135	Wilson, M
	An introductory theory course for the non-music major. Notation, scales, intervals, triads, rhythm, form, and basic aural skills.		
<b>MUSC 329E</b>	<b>Ensemble</b>	1 credit, grading method: Reg/Aud	
0101	MTu7.30-10PM University Chorus	Bldg. NN, Rm. 2102	Traver, P
0201	MTu7.30-10PM (Permission of Instructor)	Bldg. NN, Rm. 2102	Traver, P
<b>MUSC 448C</b>	<b>Special Topics in Music</b>	2 credits, grading method: Reg/Aud	
0201	MTuWThF10.30-10.50A10-8 Fluta Materclass 0201 - 05 Jul-16 Jul	Bldg. NN, Rm. 3125	Montgomery, W
	Prerequisite: permission of the instructor.		
<b>MUSC 448D</b>	<b>Special Topics in Music</b>	2 credits, grading method: Reg/Aud	
0201	MTuWThF1-4 The Pianista Art: the Current Repertory 0201 - 05 Jul-23 Jul	Bldg. NN, Rm. 2102	Garvey, E
	Prerequisite: permission of the instructor.		
<b>MUSC 484</b>	<b>Music in the Romantic Era</b>	3 credits, grading method: Reg/Aud	
0101	MTuWThF7-8.20PM Survey of western music from 1820 to 1900	Bldg. NN, Rm. 3116	Yauens, L
	Independent Studies 2-3 credits, grading method: Reg only		
<b>MUSC 499</b>	<b>Independent Studies</b>	2-3 credits, grading method: Reg only	
0101	Arranged By Permission of Instructor Only	Bldg. Arr.	Staff
0201	Arranged	Bldg. Arr.	Staff
	Prerequisite: permission of instructor. Independent research on a topic chosen in consultation with the instructor, which may culminate in a paper or appropriate project. May be repeated once for credit.		
<b>MUSC 608</b>	<b>Chamber Music Repertory</b>	1-3 credits, grading method: Reg only	
0101	MTu7-10PM By Permission of Instructor Only	Bldg. NN, Rm. 2102	Traver, P
0201	MTU7-10PM	Bldg. NN, Rm. 2102	Traver, P
<b>MUSC 699</b>	<b>Special Topics in Music</b>	2-6 credits, grading method: Reg only	
0101	Arranged	Bldg. Arr.	Staff
0201	Arranged	Bldg. Arr.	Staff
	Prerequisite: permission of the instructor. Repeatable to a maximum of six semester hours.		
<b>MUSC 699C</b>	<b>Special Topics in Music</b>	2 credits, grading method: Reg/Aud	
0201	MTuWThF10-10PM. SA10-8PM Fluta Materclass 0201 - 05 Jul-16 Jul	Bldg. NN, Rm. 3125	Montgomery, W
	Prerequisite: permission of the instructor		

MUSIC cont.

Table of Music courses including Music 699D (Special Topics in Music), Music 790 (Master's Thesis Research), Music 830P (Doctoral Seminar in Music Literature), Music 831P (Doctoral Seminar in Music Literature), and Music 899 (Doctoral Dissertation Research).

MUSP

MUSIC PERFORMANCE (ARTS AND HUM)

Music Performance Courses —Registration Information

Performance courses are available in two series. Principal series—109, 110, 207, 208, 305, 409, 410, 609, 610—intended for students majoring in music programs other than performance. The initial election is 109. Major series—119, 120, 217, 218, 315, 316, 419, 420, 619, 620, 719, 815, 816, 817—intended for students majoring in performance. The initial election is 119.

Table of Music Performance (MUSP) courses from 109 to 817, including course descriptions, credit values, grading methods, and instructor information.

NUSC

NUTRITIONAL SCIENCE (HUM AND COM RES) (AG AND LIFE SCI)

Table of Nutritional Science (NUSC) courses: NUSC 799 (Master's Thesis Research) and NUSC 899 (Doctoral Dissertation Research).

NUTR

NUTRITION (HUM AND COM RES)

Table of Nutrition (NUTR) courses: NUTR 100 (Elements of Nutrition), NUTR 200 (Nutrition for Health Services), NUTR 435 (History of Nutrition), NUTR 460 (Therapeutic Human Nutrition), and NUTR 799 (Master's Thesis Research).

PCOM

PUBLIC COMMUNICATION (ARTS AND HUM)

Table of Public Communication (PCOM) courses: PCOM 888 (Doctoral Practicum in Mass Communication) and PCOM 899 (Doctoral Dissertation Research).

PHED

PHYSICAL EDUCATION (HUM AND COM RES)

Table of Physical Education (PHED) courses from 133N to 157N, including course descriptions, credit values, grading methods, and instructor information.

**PHED cont.**

**PHED 293 History of Sport in America** 3 credits; grading method: Reg/P-F  
 USP Distributive Studies (A) Cultural and Historical Studies Approved Course  
 0101 MTUWTHF930 Bldg PRH, Rm 1301 Struna, N  
 The growth and development of sport in America. The transformation of sport within the perspective of American history, including class sport, professionalization, amateurism, and international involvement.

**PHED 350 The Psychology of Sports** 3 credits; grading method: Reg/P-F  
 USP Distributive Studies (D) Soc and Behavioral Sciences Approved Course  
 0101 TUTh4-7 Bldg PRH, Rm 1301 Staff  
 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  
 USP Distributive Studies (B) Nat Sciences and Mathematics Approved Course  
 0101 MTUWTHF930 Bldg PRH, Rm 2132 Vaccaro, P  
 Prerequisites: Z00L 101, 201 and 202 and consent of instructor A study of the physiology of exercise, including concepts of work, muscular contraction, energy transformation, metabolism, oxygen debt, and nutrient 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  
 0201 MTUWTHF11 Bldg PRH, Rm. 1303 Staff  
 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  
 USP Distributive Studies (D) Soc and Behavioral Sciences Approved Course  
 0101 MTUWTH8 Bldg PRH, Rm. 1301 Tyler, R  
 Prerequisite: PSYC 100. A study of the research dealing with motor learning and motor performance. Major topics discussed are scientific methodology, individual differences, specificity, proprioceptive control of movement, motivation, timing, transfer of practice, and retention.

**PHED 389 Topical Investigations** 1-3 credits; grading method: Reg/P-F  
 0101 Arranged Bldg Arr Staff  
 0201 Arranged Bldg Arr Staff  
 Independent study by an individual student or a group of students in special areas of knowledge not covered by regularly scheduled courses. Repeatable to a maximum of six credits.

**PHED 400 Kinesiology** 4 credits; grading method: Reg/P-F  
 0101 MTUWTH1-1 Bldg PRH, Rm 2132 Kalley, D  
 Prerequisites: Z00L 101, 201, and 202 or the equivalent. The study of human movement and the physical and physiological principles upon which it depends. Body mechanics, posture, motor efficiency, sports, the performance of atypical individuals, and the influence of growth and development upon motor performance are studied.

**PHED 406 Perceptual-Motor Development in the Young Child** 3 credits; grading method: Reg/P-F  
 0101 TUTh4-7 Bldg PRH, Rm 0305 Church, K  
 Analysis of perceptual-motor components, their progression, interrelationships, psych developmental activities and evaluation. Study of the growth and other factors that influence perceptual-motor development in the young child.

**PHED 455 Physical Fitness of the Individual** 3 credits; grading method: Reg/P-F  
 0101 MW4-7PM Bldg PRH, Rm 1303 Santamena, D  
 A study of the major physical fitness problems confronting the adult modern society. Consideration is given to the scientific appraisal, development, and maintenance of fitness at all age levels. Such problems as obesity, weight reduction, chronic fatigue, posture, and special exercise programs are explored. Open to persons outside the field of physical education.

**PHED 489 Field Laboratory Projects and Workshop** 3 credits; grading method: Reg/P-F  
 Sports Medicine  
 0101 MW7-10PM Bldg PRH, Rm. 1312 Craig, M  
 Workshops and research projects in special areas of knowledge not covered by regularly structured courses.

**PHED 489K Field Laboratory Projects and Workshop** 3 credits; grading method: Reg/P-F  
 Children's Play: A Medium for Learning  
 0101 MW4-7 Bldg PRH, Rm. 0307 Church, K  
 Workshops and research projects in special area of knowledge not covered by regularly structured courses.

**PHED 483 History and Philosophy of Sport and Physical Education** 3 credits; grading method: Reg/P-F  
 0101 MTUWTH8 Bldg PRH, Rm. 0307 Hult, J  
 History and philosophical implications of sport and physical education through ancient, medieval, and contemporary periods in western civilization.

**PHED 496 Quantitative Methods** 3 credits; grading method: Reg/P-F  
 0101 MW4-7 Bldg PRH, Rm. 0305 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 only  
 0101 MTUWTH11 Bldg PRH, Rm. 0307 Phillips, S  
 Discussion of contemporary issues within the discipline, critiques of research in the student's area 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 498K Special Topics in Physical Education** 3 credits; grading method: Reg/P-F  
 Child and Sport  
 0101 TUTh7-10P Bldg PRH, Rm. 0307 Clark, J  
 Workshops and research projects in special areas of knowledge not covered by regularly structured courses.

**PHED 610 Methods and Techniques of Research** 3 credits; grading method: Reg/Aud  
 0101 TUTh7-10PM Bldg PRH, Rm. 0305 Schmidt, M  
 Student methods and techniques of research used in physical education an analysis of examples of their use; and practice in their application to problems of interest to the student.

**PHED 689 Special Problems in Physical Education** 1-3 credits; grading method: Reg/Aud  
 0101 Arranged Bldg Arr Staff  
 0201 Arranged Bldg Arr Staff  
 Master or doctoral candidates who desire to pursue special research problems under the direction of their advisor may register for 1-3 hours of credit under this number.

**PHED 689Q Special Problems in Physical Education** 3 credits; grading method: Reg/Aud  
 Intermediata Quantitative Methods  
 0201 MW8-11 Bldg PRH, Rm. 0303 Dotson, C  
 Master or doctoral candidates who desire to pursue special research problems under the direction of their advisor may register under this number.

**PHED 689X Special Problems in Physical Education** 3 credits; grading method: Reg only  
 Temperature Regulation During Exercise  
 0101 MW7-10PM Bldg PRH, Rm. 0307 Goldfarb, A  
 Master or doctoral candidates who desire to pursue special research problems under the direction of the advisor may register under this number.

**PHED 799 Master's Thesis Research** 1-6 credits; grading method: Reg only  
 0101 Arranged Bldg Arr Staff  
**PHED 899 Doctoral Dissertation Research** 1-8 credits; grading method: Reg only  
 0101 Arranged Bldg Arr Staff

**PHIL**

(ARTS AND HUM)

**PHILOSOPHY**

**PHIL 100 Introduction to Philosophy** 3 credits; grading method: Reg/P-F/Aud  
 USP Distributive Studies (A) Cultural and Historical Studies Approved Course  
 0101 TUTh3-6:30 Bldg T, Rm. 1113 Martin, R  
 0201 MTUWTHF930 Bldg T, Rm. 1113 Haugh, B  
 An introduction to the literature, problems, and methods of philosophy either through a study of some of the major figures in philosophy thought or through an examination of some of the central and recurring problems of philosophy.

**PHIL 140 Contemporary Moral Issues** 3 credits; grading method: Reg/P-F/Aud  
 USP Distributive Studies (D) Soc and Behavioral Sciences Approved Course  
 0101 MTUWTH11 Bldg T, Rm. 1106 Tolivar, J  
 0201 MTUWTH11 Bldg T, Rm. 1113 Odeli, S  
 An exploration of the 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 MTUWTHF930 Bldg T, Rm. 1113 Dumas, G  
 0201 MTUWTH1230 Bldg T, Rm. 1113 Milord, C  
 A general introduction to the discipline of logic. Traditional and modern deductive techniques, informal fallacies.

**PHIL 173 Logic and the English Language** 3 credits; grading method: Reg/P-F/Aud  
 0101 MTUWTH8 Bldg T, Rm. 1106 Pasch, A  
 Basics techniques for analyzing deductive arguments. The uses of these techniques to illuminate the grammar and the logic of English sentences. The capacity of the English language to express logical distinctions. Exercise in analyzing the logical structure of published writings of varied style and content.

**PHIL 233 Philosophy in Literature** 3 credits; grading method: Reg/P-F/Aud  
 0101 MTUWTH1230 Bldg T, Rm. 1113 Lavinson, J  
 Reading and philosophical criticism of fiction, poetry, and drama, dealing with issues of moral, religious, and metaphysical significance.

**PHIL 343 Sexual Morality** 3 credits; grading method: Reg/P-F/Aud  
 0201 MTUWTH912 Bldg T, Rm. 1113 Suppe, F  
 A critical examination of practical moral issues bearing on sexual conduct; using the resources of moral and social philosophy.

**PHIL 498 Topical Investigations** 1-3 credits; grading method: Reg/P-F/Aud  
 0101 Arranged Bldg Arr Staff  
 0201 Arranged Bldg Arr Staff  
**PHIL 799 Master's Thesis Research** 1-6 credits; grading method: Reg only  
 0101 Arranged Bldg Arr Staff  
 0201 Arranged Bldg Arr Staff  
**PHIL 899 Doctoral Dissertation Research** 1-8 credits; grading method: Reg only  
 0101 Arranged Bldg Arr Staff  
 0201 Arranged Bldg Arr Staff

**PHYS**

(MATH AND PHY SCI AND ENG)

**PHYSICS**

**PHYS 121 Fundamentals of Physics I** 4 credits; grading method: Reg/P-F/Aud  
 USP Distributive Studies (B) Nat Sciences and Mathematics Approved Course  
 0101 01-Jun-22 Jul 0102-01 Jun-22 Jul  
 0101 MTUWTH930MW2-4MW1 Lec. Bldg Z, Rm. 1410 Lab. Bldg Z, Rm. 3306  
 Disc. Bldg Z, Rm. 4220 Restorf  
 0102 MTUWTH930TUTh2-4TUTh1 Lec. Bldg Z, Rm. 1402 Lab. Bldg Z, Rm. 3316 Restorf  
 Disc. Bldg Z, Rm. 4220 Restorf  
 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  
 USP Distributive Studies (B) Nat Sciences and Mathematics Approved Course  
 0101 01-Jun-22 Jul 0102-01 Jun-22 Jul  
 0101 MTUWTH930MW2-4MW1 Lec. Bldg Z, Rm. 1402 Lab. Bldg Z, Rm. 3316  
 Disc. Bldg Z, Rm. 0405 Rapport, M  
 0102 MTUWTH930TUTh2-4TUTh1 Lec. Bldg Z, Rm. 1402 Lab. Bldg Z, Rm. 3316 Rapport, M  
 Disc. Bldg Z, Rm. 0405 Rapport, M  
 Prerequisite: PHYS 121 or equivalent. A continuation of PHYS 121. Which together with it, generally satisfies the minimum requirement of medical and dental schools.

**PHYS 161 General Physics: Mechanics and Particle Dynamics** 3 credits; grading method: Reg/P-F/Aud  
 USP Distributive Studies (B) Nat Sciences and Mathematics Approved Course  
 If All Sections of This Course Are Filled, Students May Be Admitted With Permission From Dr. Fivel  
 0101 MTUWTH930MW11 Lec. Bldg Z, Rm. 1412 Lab. Bldg Z, Rm. 0405 Fivel, D  
 0102 MTUWTH930TUTh11 Lec. Bldg Z, Rm. 1412 Lab. Bldg Z, Rm. 0405 Fivel, D  
 0103 MTUWTH930MW11 Lec. Bldg Z, Rm. 1412 Lab. Bldg Z, Rm. 4220 Fivel, D  
 MATH 141 prerequisite or concurrent registration. The first semester of a three-semester calculus-based general physics course. (See PHYS 262, 263.) Laws of force, torque, energy; principles of mechanics; collisions; harmonic motion; rotation; and gravitation.

**PHYS 262 General Physics: Heat, Electricity and Magnetism** 4 credits; grading method: Reg/P-F/Aud  
 USP Distributive Studies (B) Nat Sciences and Mathematics Approved Course  
 PHYS 262A Must Be Taken Concurrently  
 0201 MTUWTH930MW11 Lec. Bldg Z, Rm. 1412 Lab. Bldg Z, Rm. 1402 Kacser, C  
 0202 MTUWTH930TUTh11 Lec. Bldg Z, Rm. 1412 Lab. Bldg Z, Rm. 1402 Kacser, C  
 0203 MTUWTH930MW11 Lec. Bldg Z, Rm. 1412 Lab. Bldg Z, Rm. 1219 Kacser, C  
 Prerequisite: PHYS 161. The second semester of a calculus-based general physics course. Thermodynamic kinetic theory; electrostatics, electrodynamics, Maxwell's equations.

**PHYS 262A General Physics: Heat, Electricity and Magnetism** 0 credits; grading method: ngr only  
 PHYS 262 Must Be Taken Concurrently  
 0201 M1-4 Bldg Z, Rm. 3312 Kacser, C  
 0202 Tu-1 Bldg Z, Rm. 3312 Kacser, C  
 0203 W1-3 Bldg Z, Rm. 3312 Kacser, C

**PHYS 299 Special Problems in Physics** 1-6 credits; grading method: Reg/P-F/Aud  
 Requires Approval From Faculty Member Before Registering For This Course  
 0101 Arranged Bldg Arr Staff  
 0201 Arranged Bldg Arr Staff  
 Prerequisite: consent of department. Research or special study to complement courses taken elsewhere which are not fully equivalent to those in departmental requirements. Credit according to work done may be taken on more than twice. Maximum of eight credits applicable to B.S. degree program.

**PHYS 399 Special Problems in Physics** 1-3 credits; grading method: Reg/P-F/Aud  
 Requires Approval From Faculty Member Before Registering For This Course  
 0101 Arranged Bldg Arr Staff  
 0201 Arranged Bldg Arr Staff  
 One or three credits may be taken concurrently each semester. (Will be given with sufficient demand.) Prerequisite: PHYS 395 and consent of advisor. Selected advanced experiments.

**PHYS cont.**

- PHYS 429 Atomic and Nuclear Physics Laboratory 3 credits; grading method: Reg-P-F/Aud**  
(Prerequisites - PHYS 395 and Consent of Instructor)  
0101-01 Jun-22 Jul  
0101 MTU-1-6 Blg. Z, Rm. 3333 Mathews, D  
PHYS 395 and consent of instructor. Classical experiments in atomic physics and more sophisticated experiments in current techniques in nuclear physics.
- PHYS 499 Special Problems in Physics 1-6 credits; grading method: Reg-P-F/Aud**  
Requires Approval From Faculty Member Before Registering For This Course.  
0101 Arranged Blg. Arr. Staff  
0201 Arranged Blg. Arr. Staff  
Prerequisite: major in physics and consent of advisor. Research or special study. Credit according to work done.
- PHYS 499A Special Problems in Physics 3 credits; grading method: Reg-P-F/Aud**  
**Electronic Instrumentation for Science Teachers**  
0201 TuWThF1-4 Blg. Z, Rm. 3219 Layman, J  
Introductory laboratory in electronic instrumentation, involving some microcomputer activities.
- PHYS 602 Statistical Physics 3 credits; grading method: Reg/Aud**  
0101 MTUWThF9-30 Blg. Z, Rm. 4220 Johnson, J  
Prerequisite: PHYS 410 or equivalent. Statistical mechanics, thermodynamics, kinetic theory.
- PHYS 621 Graduate Laboratory 3 credits; grading method: Reg/Aud**  
0101-01 Jun-05Aug Blg. Z, Rm. 3333 Mathews, D  
0101 MTU-1-6 Blg. Z, Rm. 3333 Mathews, D  
Design and performance of advanced experiments in modern and classical physics.
- PHYS 624 Advanced Quantum Mechanics 3 credits; grading method: Reg/Aud**  
0201 MTUWThF9-30 Blg. Z, Rm. 4220 Onede, 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 798 Special Problems in Advanced Physics 1-3 credits; grading method: Reg/Aud**  
Requires Permission of Faculty Member Before Registering For Course.  
0101 Arranged Blg. Arr. Staff  
0201 Arranged Blg. Arr. Staff  
Projects or special study in advanced physics.
- PHYS 796A Special Problems in Advanced Physics 3 credits; grading method: Reg/Aud**  
**PhD Qualifier Workshop**  
0101 MTUWThF11 Blg. Z, Rm. 1219 Kim, Y  
Extensive study of physics problems on the level of the Ph.D. qualifying exam.
- PHYS 798B Special Problems in Advanced Physics 3 credits; grading method: Reg/Aud**  
**Introduction to Laser Physics**  
0101 MTUWThF11 Blg. Z, Rm. 1219 Fivell, D  
Semi-classical and quantum theories of the atom-field interaction, and of laser operations. Theory of coherent states. Multimode operations. Laser fluctuations. Prerequisites: PHYS 623 and 606, or equivalent.
- PHYS 799 Master's Thesis Research 1-6 credits; grading method: Reg only**  
0101 Arranged Blg. Arr. Staff  
0201 Arranged Blg. Arr. Staff
- PHYS 899 Doctoral Dissertation Research 1-8 credits; grading method: Reg only**  
0101 Arranged Blg. Arr. Staff  
0201 Arranged Blg. Arr. Staff

**PORT**

(ARTS AND HUM)

**PORTUGUESE**

- PORT 101 Elementary Portuguese 4 credits; grading method: Reg-P-F/Aud**  
USP Distributive Studies (A) Cultural and Historical Approved Course  
0101 MTUWTh6 45-11 Blg. LL, Rm. 1215 Igal, R  
Introduction to basic structures, with emphasis upon audio-lingual skills. Leads to 102.

**PSYC**

(BEHAV AND SOC SCI)

**PSYCHOLOGY**

- PSYC 100 Introduction to Psychology 3 credits; grading method: Reg-P-F/Aud**  
USP Distributive Studies (D) Soc and Behavioral Sciences Approved Course  
0101 MTUWThF9-30 Blg. ZP, Rm. 1243 Sternheim, C  
0102 MTUWThF12-30 Blg. ZP, Rm. 1234 McIntire, R  
0201 MTUWThF11 Blg. ZP, Rm. 1250 McIntire, R  
0202 MTUWThF12-30 Blg. ZP, Rm. 1236 Norman, K  
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 MTUWThF12-30 Blg. ZP, Rm. 1238 Solt, S  
0201 MTUWThF11 Blg. ZP, Rm. 1238 Norman, K  
Prerequisite: PSYC 100 and MATH 111 or 140 or 220. A basic introduction to quantitative methods used in psychological research.
- PSYC 221 Social Psychology 3 credits; grading method: Reg-P-F/Aud**  
USP Distributive Studies (D) Soc and Behavioral Sciences Approved Course  
0101 MTUWThF2 Blg. ZP, Rm. 1243 Taylor, D  
0201 MTUWThF9-30 Blg. ZP, Rm. 1243 Dies, R  
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 301 Biological Basis of Behavior 3 credits; grading method: Reg-P-F/Aud**  
0201 MTUWThF12-30 Blg. ZP, Rm. 1243 Brauth, S  
Prerequisite: PSYC 100. The experimental analysis of the behavior of humans and animals from the point of view of the biological mechanisms of behavior. Topics such as genetic determiners and physiological mechanisms, and basic principles of conditioning and learning.
- PSYC 309C Special Topics in Psychology 3 credits; grading method: Reg-P-F/Aud**  
**Adult Development and Aging**  
0201 MTUWThF11 Blg. ZP, Rm. 1236 Johnson, J  
Prerequisite: PSYC 200, and major in Psychology or permission of the instructor. Offered on a seminar basis.
- PSYC 309E Special Topics in Psychology 3 credits; grading method: Reg-P-F/Aud**  
**Psychology of Human Sexuality**  
0101 MW7-10PM Blg. ZP, Rm. 1236 Brown, R  
Prerequisite: PSYC 200, and major in Psychology or permission of the instructor. Offered on a seminar basis.
- PSYC 310 Perception 3 credits; grading method: Reg-P-F/Aud**  
USP Distributive Studies (D) Soc and Behavioral Sciences Approved Course  
0101 MTUWThF2 Blg. ZP, Rm. 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 cont.**

- PSYC 331 Introduction to Abnormal Psychology 3 credits; grading method: Reg-P-F/Aud**  
USP Distributive Studies (D) Soc and Behavioral Sciences Approved Course  
0101 MTUWThF9-30 Blg. ZP, Rm. 1250 Dies, R  
0201 MTUWThF9-30 Blg. ZP, Rm. 1250 Siele, 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 psychoneurosis, 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 333 Child Psychology 3 credits; grading method: Reg-P-F/Aud**  
0101 MTUWThF11 Blg. ZP, Rm. 1243 Brown, E  
0201 MTUWThF12-30 Blg. ZP, Rm. 1238 Hall, W  
Prerequisite: PSYC 100. Behavioral analysis of normal development and normal socialization of the growing child. A student may not receive credit for both PSYC 333 and 433.
- PSYC 335 Personality and Adjustment 3 credits; grading method: Reg-P-F/Aud**  
USP Distributive Studies (D) Soc and Behavioral Sciences Approved Course  
0101 MTUWThF2 Blg. ZP, Rm. 1250 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 361 Survey of Industrial and Organizational Psychology 3 credits; grading method: Reg-P-F/Aud**  
0101 MTUWThF11 Blg. ZP, Rm. 1236 Jackson, S  
0201 TuTh-10PM Blg. ZP, Rm. 1236 Jackson, S  
Prerequisite: PSYC 100. A course for nonmajors which provides a general survey of the field of industrial psychology, including such topics as selection training, job satisfaction, social organization, and environmental factors.
- PSYC 400 Experimental Psychology: Learning and Motivation**  
0201 MTUWThF11, MTUWThF9-30 Lec. Blg. ZP, Rm. 1243 Lab. Blg. ZP, Rm. 4102 Gollub, L  
0202 MTUWThF11, MTUWThF12-30 Lec. Blg. ZP, Rm. 1243 Lab. Blg. ZP, Rm. 4102 Gollub, L  
Prerequisites: PSYC 200 and either 206 or 301. Primarily for students who major in psychology. 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 I 4 credits; grading method: Reg-P-F/Aud**  
0101 MTUWThF11 Blg. ZP, Rm. 1232 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 processes.
- PSYC 452 Psychology of Individual Differences 3 credits; grading method: Reg-P-F/Aud**  
0201 MTUWThF2 Blg. ZP, Rm. 1232 Johnson, J  
Prerequisite: PSYC 200. Problems theories and researches related to psychological differences among individuals and groups.
- PSYC 478 Independent Study in Psychology 1-3 credits; grading method: Reg-P-F/Aud**  
0101 Arranged Blg. Arr. Staff  
0201 Arranged Blg. Arr. Staff  
Prerequisite: Written consent of instructor. A student who wishes to take independent research study must have completed 12 hours of psychology with at least a 2.5 average. Integrated reading under direction leading to the preparation of an adequately documented report on a special topic. (In special cases a student who needs to repeat this course in order to complete his independent study may make a formal request, including a research proposal, through his advisor to the departmental honors committee.)
- PSYC 479 Special Research Problems in Psychology 1-3 credits; grading method: Reg-P-F/Aud**  
0101 Arranged Blg. Arr. Staff  
0201 Arranged Blg. Arr. Staff  
Prerequisite: written consent of instructor. A student who wishes to take independent research study must have completed 12 hours of psychology with at least a 2.5 average. An individual course designed to allow the student to pursue a specialized research under supervision. (In special cases a student who needs to repeat this course in order to complete his research may make a formal request, including a research proposal, through his advisor to the departmental honors committee.)
- PSYC 499H Honors Thesis Research 3 credits; grading method: Reg-P-F/Aud**  
0101 Arranged Blg. Arr. Staff  
0201 Arranged Blg. Arr. Staff  
Usually taken during last semester in residence. Prerequisite: permission of thesis advisor.
- PSYC 719 Seminar in Clinical, Counseling, and Community Psychology**  
3 credits; grading method: Reg/Aud  
(Prerequisite - Permission of Instructor)  
0101 Arranged Blg. Arr. Coursey, R  
Prerequisite: Permission of instructor. Advanced selected topics in areas such as psychotherapy, consultation, assessment, psychopathology, student ecology, etc. May be repeated to a maximum of nine credits.
- PSYC 729 Advanced Didactic-Practicum in Psychological Intervention**  
3 credits; grading method: Reg/Aud  
0201 Arranged Blg. Arr. Brown, R  
Prerequisite: Consent of instructor and PSY 717 or 728. Concept, research and supervised experience in intervention skills in advanced specialized areas, e.g., college student counseling, child evaluation, parent and school consultation, psychoevaluation, behavioral therapy, individual psychotherapy. May be repeated to a maximum of nine hours.
- PSYC 788 Special Research Problems 1-4 credits; grading method: Reg/Aud**  
0101 Arranged Blg. Arr. Staff  
0201 Arranged Blg. Arr. Staff  
Supervised research on problems selected from the area of experimental, industrial, social, counseling, or mental health psychology.
- PSYC 799 Master's Thesis Research 1-6 credits; grading method: Reg only**  
0101 Arranged Blg. Arr. Staff  
0201 Arranged Blg. Arr. Staff
- PSYC 899 Doctoral Dissertation Research 1-8 credits; grading method: Reg only**  
0101 Arranged Blg. Arr. Staff  
0201 Arranged Blg. Arr. Staff

**RECR**

(HUM AND COM RES)

**RECREATION**

- RECR 130 History and Introduction to Recreation 3 credits; grading method: Reg-P-F/Aud**  
0101 MTUWThF9-30 Blg. PRH, Rm. 6305 Staff  
An introduction to the beginnings and growth of recreation as fostered by individuals, agencies and governments; attitudes toward and theories of play; present principles and objectives; organizations and groups interested in recreation and parks and their relationships; job opportunities, specifications and demands; self-analysis of individual student interest, limitations and capabilities in light of these specifications and demands.
- RECR 220 Methods and Materials in Recreation 3 credits; grading method: Reg-P-F/Aud**  
0101 MW7-10PM Blg. PRH, Rm. 6102 Staff  
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 cont.**

- RECR 271 Implications of Disabling Conditions for Therapeutic Recreation** 3 credits; grading method: Reg only  
 0101 TuTh7-10PM Bldg. PRH, Rm. 0303 Kelley, J  
 Etiology, symptomatology and characteristics of disabling conditions and the implications for therapeutic recreation interventions in clinical and non-clinical settings. Orientation to health-related disciplines and appropriate terminology.
- RECR 325 General Fundamentals of Recreation** 3 credits; grading method: Reg-P-F/Aud  
 0101 MW7-10PM Bldg. PRH, Rm. 1302 Churhill, J  
 0201 MW7-10PM Bldg. PRH, Rm. 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 only  
 Sophomore Field Experience  
 Recreation Majors Only
- 0101 Tu7-9PM Tu7-9PM Lab. Bldg. PRH, Rm. 1302/Lab. Bldg. PRH, Rm. 1302/Ward, V  
 Prerequisite: RECR 200 and consent of the department. Practical field experience in developing recreation activity leadership skills at an organized recreation department or agency. Students will be expected to make a commitment for a minimum of eight weeks or equivalent.
- RECR 341 Field Work II** 8 credits; grading method: Reg only  
 Recreation Majors Only
- 0101 Arranged Bldg. Ar. Strobell, A  
 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 activity and participation in staff activities and responsibilities.
- RECR 350 Recreational Use of Natural Areas** 3 credits; grading method: Reg-P-F/Aud  
 0101 MTuWThF11 Bldg. PRH, Rm. 0303 Graefle, 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 375 Introduction to Therapeutic Recreation** 3 credits; grading method: Reg-P-F/Aud  
 Limited to Recreation Majors Only
- 0101 MTuWThF9.30 Bldg. PRH, Rm. 0307 Staff  
 History, philosophy and current practices related to the therapeutic recreation process.
- RECR 386 Field Work 1-3 credits; grading method: Reg-P-F/Aud**  
 Proposal Approval Required Before Enrollment
- 0101 Arranged Bldg. Arr. Leedy, C  
 0201 Arranged Bldg. Arr. Leedy, C
- RECR 387 Field Work Analysis** 1-3 credits; grading method: Reg-P-F/Aud  
 Proposal Approval Required Before Enrollment
- 0101 Arranged Bldg. Arr. Leedy, C  
 0201 Arranged Bldg. Arr. Leedy, C
- RECR 410 Measurement and Evaluation in Recreation** 3 credits; grading method: Reg-P-F/Aud  
 0101 MTuWThF9.30 Bldg. PRH, Rm. 1303 Vaske, J  
 Prerequisite: RECR 130 or 325 or consent of instructor. A survey course in measurement tools and methods and application of measurement to evaluate processes applicable in specific and broad areas of interest and specialization in recreation and parks.
- RECR 415 Quantitative Methods** 3 credits; grading method: Reg-P-F/Aud  
 0101 TuTh7-10PM Bldg. PRH, Rm. 1301 Vaske, J  
 A course covering the statistical techniques most frequently used in research pertaining to recreation. An effort will be made to provide the student with the necessary skills, and to acquaint him with the interpretations and practical applications of these techniques.
- RECR 420 Program Planning and Analysis** 3 credits; grading method: Reg-P-F/Aud  
 0101 MTuWThF9.30 Bldg. PRH, Rm. 0303 Staff  
 Prerequisite: RECR 130 or 325, RECR 220 recommended. The essential elements and basic principles involved in the organization and administration of various types of recreation programs with emphasis on the development of practical, comprehensive program plans and evaluations for a population and a facility within the student's particular area of interest.
- RECR 432 Philosophy of Recreation** 3 credits; grading method: Reg-P-F/Aud  
 0101 MTuWThF11 Bldg. PRH, Rm. 0305 Churhill, 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 460 Leadership Techniques and Practices** 3 credits; grading method: Reg-P-F/Aud  
 0101 MTuWThF9.30 Bldg. PRH, Rm. 1304 Ward, V  
 Prerequisite: RECR 130 or 325. Various types and dynamics of recreation leadership at academic, agency, small and large group levels. Acquisition of tangible techniques, such as goal setting, decision making, and leadership for purposes of organizing, implementing, observing and analyzing human function to organizational settings.
- RECR 489 Field Laboratory Projects and Workshops** 1-6 credits; grading method: Reg-P-F/Aud  
 Proposal Approval Required Before Enrollment
- 0101 Arranged Bldg. Arr. Leedy, C  
 0201 Arranged Bldg. Arr. Leedy, C  
 A course designed to meet the needs of persons in the field with respect to workshops and research projects in special areas of knowledge not covered by regularly structured courses.
- RECR 490 Organization and Administration of Recreation** 3 credits; grading method: Reg-P-F/Aud  
 0101 TuTh7-10PM Bldg. PRH, Rm. 0303 Fedler, A  
 A study of the organizational patterns and administrative problems involved in the various types of operating recreation departments and agencies, forms of organization, finance and budget, personnel, public relations.
- RECR 493 Tourism and Commercial Leisure Services** 3 credits; grading method: Reg-P-F/Aud  
 0101 MTuWThF12.30 Bldg. PRH, Rm. 1304 Graefle, 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 495 Recreation Resource and Facility Planning** 3 credits; grading method: Reg-P-F/Aud  
 0101 MW7-10PM Bldg. PRH, Rm. 1304 Graefle, A  
 Basic principles of planning, design, development, and maintenance of community recreation areas and facilities. The interrelationships between local, regional, state, and national park and recreation systems.
- RECR 498A Special Topics in Recreation** 3 credits; grading method: Reg-P-F/Aud  
 0101 TuTh7-10PM Bldg. PRH, Rm. 0301 Riddick, C  
 Prerequisite: consent of instructor
- RECR 498B Special Topics in Recreation** 3 credits; grading method: Reg-P-F/Aud  
 0101 TuTh7-10PM Bldg. PRH, Rm. 0305 Staff  
 Prerequisite: consent of instructor
- RECR 810 Methods and Techniques of Research** 3 credits; grading method: Reg/Aud  
 0101 MW7-10PM Bldg. PRH, Rm. 0301 Iso-ahola, S  
 A study of appropriate research methodology including experimental, historical, philosophical, sociological and case study techniques, examples and problems. Each student is required to develop a specimen thesis or dissertation proposal and outline.
- RECR 688 Special Problems in Recreation** 1-6 credits; grading method: Reg/Aud  
 0101 Arranged Bldg. Arr. Leedy, C  
 0201 Arranged Bldg. Arr. Leedy, C
- RECR 688B Special Problems in Recreation** 3 credits; grading method: Reg/Aud  
 0201 MW7-10PM Bldg. PRH, Rm. 0301 Riddick, C

**RECR cont.**

- RECR 799 Master's Thesis Research** 1-6 credits; grading method: Reg only  
 0101 Arranged Bldg Arr. Leedy, C
- RECR 899 Doctoral Dissertation Research** 1-8 credits; grading method: Reg only  
 0101 Arranged Bldg Arr. Leedy, C

**RTVF**

**RTVF (ARTS AND HUM)**

- RTVF 124 Mass Communication in 20th Century Society** 3 credits; grading method: Reg-P-F/Aud  
 USP Distributive Studies (D) Soc and Behavioral Sciences Approved Course  
 0101 MTuWThF9.30 Bldg. CC, Rm. 0147 Hoch, T  
 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 Broadcasting** 3 credits; grading method: Reg-P-F/Aud  
 0101 MTuWThF9.30 Bldg. NN, Rm. 0114 Dumonceau, M  
 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 MTuWThF9.30 Bldg. NW, Rm. 0138 McCleary, R  
 Prerequisite: RTVF 222. Study of basic program formats and variations with special emphasis on pre-production planning, production organization, management, facility utilization and cost analysis.
- RTVF 302 Beginning Sound Production** 3 credits; grading method: Reg-P-F/Aud  
 0101 MTuWThF9.30 Bldg. NN, Rm. 0131 Dumonceau, M  
 Prerequisite: RTVF 223. Practical experience in sound production, including scripting, acoustics planning, recording, editing, and coordination of personnel. Application practically toward radio.
- RTVF 314 Introduction to the Film** 3 credits; grading method: Reg-P-F/Aud  
 0101 MTuWThF9-11 Bldg. NN, Rm. 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 340 Principles of Television Production Techniques** 3 credits; grading method: Reg-P-F/Aud  
 0201 MTuWThF11-1 Bldg. NN, Rm. 0117 McCleary, R  
 Prerequisite: RTVF 223 and consent of the instructor. Theory, methods techniques and problems of television production, television cameras and lenses, lighting, film theory and practices, audio, graphic arts and special effects. Practical application in television studios.
- RTVF 356 Film Production I, Introduction** 3 credits; grading method: Reg-P-F/Aud  
 0101 MTuWThF11 Bldg. NN, Rm. 2206 Weiss, G  
 Prerequisites: for majors, RTVF 222 and consent of instructor; for non-majors, consent of the instructor. Introduction to film technology and technique.
- RTVF 384 Field Work Experience** 1-3 credits; grading method: s-1 only  
 R/W Majors Only. Applications Must Be Approved Prior to Registration.
- 0201 Arranged Bldg. Arr. Staff  
 Supervised, professional field work experience in business, industry, government or education. Enrollment is by permission of the department and is limited to majors.
- RTVF 385 Field Work Analysis** 1-3 credits; grading method: Reg/Aud  
 RTVF majors only. Must be taken with RTVF 384
- 0201 Arranged Bldg. Arr. Staff  
 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  
 0201 TuTh7-10PM Bldg. NN, Rm. 0147 Jameson, K  
 Critical review of studies of the effects of political broadcasts, legal and social issues; surveys and media campaigns.
- RTVF 449 Television Workshop** 1-3 credits; grading method: Reg-P-F/Aud  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff  
 Prerequisite: Consent of instructor. Special study projects. Repeatable to a maximum of six credits.
- RTVF 451 Broadcast Criticism** 3 credits; grading method: Reg-P-F/Aud  
 0101 MTuWThF11-1 Bldg. NN, Rm. 0138 Kirkley, J, D  
 An analysis of the professional, historical, social, and psychological criticism of American radio and television, together with practical application of professional and scholarly critical methods.
- RTVF 454 Cable Television** 3 credits; grading method: Reg-P-F/Aud  
 0201 MTuWThF9.30-10.30 Bldg. NN, Rm. 0147 Aylward, T  
 Prerequisite: RTVF 223. History, regulatory development, system designs, communications capability and franchising of cable television.
- RTVF 498 Seminar** 3 credits; grading method: Reg-P-F/Aud  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff  
 Prerequisites: senior standing and consent of instructor. Present day radio-television-film research. Repeatable to a maximum of six credits.
- RTVF 498L Seminar** 3 credits; grading method: Reg-P-F/Aud  
 The Business of Broadcasting  
 0101 MTuWThF9.30-10.30 Bldg. NN, Rm. 0135 Kirkley, J, D  
 Prerequisites: senior standing and consent of instructor. Present day radio-television-film research.
- RTVF 498V Seminar** 3 credits; grading method: Reg-P-F/Aud  
 Field Production  
 0201 MTuWThF9.30-10.30 Bldg. Arr. Baldwin, J  
 Prerequisites: senior standing and consent of instructor. Present day radio-television-film research.
- RTVF 648X Seminar in Broadcasting** 3 credits; grading method: Reg/Aud  
 The Business of Broadcasting  
 0101 MTuWTh9.30-10.30 Bldg. NN, Rm. 0135 Kirkley, J, D  
 Study of the business aspect of broadcasting.
- RTVF 699 Independent Study** 1-3 credits; grading method: Reg/Aud  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff
- RTVF 799 Master's Thesis Research** 1-6 credits; grading method: Reg only  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff

**SLAV**

**GERMANIC AND SLAVIC LANGUAGES AND LITERATURES (ARTS AND HUM)**

- SLAV 111 Elementary Russian I** 3 credits; grading method: Reg-P-F/Aud  
 0101 MTuWTh9.30-12.20 Bldg. LL, Rm. 0204 Staff  
 Elements of grammar, pronunciation and conversational exercises in translation.
- SLAV 112 Elementary Russian II** 3 credits; grading method: Reg-P-F/Aud  
 0201 MTuWTh9.30-12.20 Bldg. LL, Rm. 3205 Bormanshinov, A  
 Prerequisite: SLAV 111. A continuation of SLAV 111. Elements of grammar, pronunciation and conversational, exercises in translation.

**SLAV cont.**

- SLAV 499 Directed Study 1-3 credits; grading method: Reg/P-F/Aud**  
 0101 Arranged Bldg. Arr. Hitchcock, D  
 0201 Arranged Bldg. Arr. Bormanishnov, A  
 For advanced students; by permission of department chairman Course may be repeated for credit if content differs to a maximum of six hours.

**SOCY****(BEHAV AND SOC SCI)**

- SOCY 100 Introduction to Sociology 3 credits; grading method: Reg/P-F/Aud**  
 USP Distributive Studies (D) Soc and Behavioral Sciences Approved Course  
 0101 MTUWTF12.30 Lec. Bldg. AS, Rm. 322.1 Ritzar, H  
 0201 MTUWTF2.30 Bldg. AS, Rm. 3203 Ritzar, H  
 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**  
 USP Distributive Studies (D) Soc and Behavioral Sciences Approved Course  
 0101 MTUWTF3.30 Bldg. AS, Rm. 3203 Pesse, J  
 An examination of contemporary social problems through sociological perspectives; ways in which social problems are part of the organization of society; a detailed study of selected social problems including social conflict and social inequality. 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**  
 0201 MTUWTF2.10 Lec. Bldg. AS, Rm. 3207 Lab. Bldg. AS, Rm. 3221 Staff  
 Prerequisites: SOCY 100 or 103 or MATH 101 or equivalent. Elementary descriptive and inferential statistics. Construction and reworking 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 202 Introduction to Research Methods in Sociology 4 credits; grading method: Reg/P-F/Aud**  
 0101 - 01 Jun-22-Jun Bldg. AS, Rm. 3221 Harper, G  
 Prerequisite: SOCY 201. The underlying logic, major strategies, specific techniques and skills of sociological research. Measurement, data collection, sampling, field research experiments, surveys, index and scale construction, data analysis, interpretation and report writing.
- SOCY 230 Sociological Social Psychology 3 credits; grading method: Reg/P-F/Aud**  
 USP Distributive Studies (D) Soc and Behavioral Sciences Approved Course  
 0101 MTUWTF12.30 Bldg. AS, Rm. 3203 Meeker, B  
 Social psychology of groups such as committees, teams, clubs, sects, social movements, crowds and publics. Origin of the social self, role behavior, inter-group and intragroup relations.
- SOCY 300 American Society 3 credits; grading method: Reg/P-F/Aud**  
 0201 MTUWTF12.30 Bldg. AS, Rm. 3203 Vanneman, R  
 The social structure and organization of American society with special reference to recent social change. A sociological perspective on urban and other population trends; the character structure, values and ideology of Americans - social movements and changes in work, family life and recreation.
- SOCY 305 Scarcity and Modern Society 3 credits; grading method: Reg/P-F/Aud**  
 Course Meets University Studies Program Advanced Studies Requirement.  
 0201 MTUWTF12.30 Bldg. AS, Rm. 3207 Finsterbusch, K  
 Prerequisite: SOCY 100 or 300. The problems of resource depletion and the deterioration of the environment. Emphasis is on the relationship to styles, individual consumer choices, cultural values, and institutional factors. 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 324 Racism and Intergroup Conflict 3 credits; grading method: Reg/P-F/Aud**  
 0201 MTUWTF11.30 Bldg. AS, Rm. 3207 Martindale, M  
 Prerequisite: SOCY 100 or 105. An introduction to the study of racism and intergroup conflict in the U.S. history of racism, racial stereotypes, roles, and myths; individual and institutional racism, race and its relation to culture, stratification, social movements, and social change.
- SOCY 325 Sex Roles 3 credits; grading method: Reg/P-F/Aud**  
 0101 MTUWTF9.30 Bldg. AS, Rm. 3203 Hunt, J  
 0201 MTUWTF12.30 Bldg. AS, Rm. 3203 McInyre, J  
 Sex-role differentiation and sex inequality from a sociological perspective. Institutional basis 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**  
 USP Distributive Studies (D) Soc and Behavioral Sciences Approved Course  
 0201 MTUWTF11.30 Bldg. AS, Rm. 3203 Janas, R  
 Prerequisite: SOCY 100 or 105. An introduction to the sociological study of deviant behavior, covering such topics 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 331 Work, Bureaucracy, and Industry 3 credits; grading method: Reg/P-F/Aud**  
 A Sociological Approach to the World of Work, Occupational Careers and Personal Experience in the Bureaucratic  
 0101 MTUWTF12.30 Bldg. AS, Rm. 3207 Lengermann, J  
 A sociological approach to the world of work, occupational careers, and personal experiences in the bureaucratic organizations of modern industrial society.
- SOCY 341 Inequality in American Society 3 credits; grading method: Reg/P-F/Aud**  
 0101 MTUWTF11.30 Bldg. AS, Rm. 3207 Hunt, L  
 The sociological study of the status and treatment of the poor, minorities, the aged, women, deviant subcommunities and the physically handicapped. The dynamics of inequality; its social production, politics, future and ideological bases; Utopian communities; efforts to eliminate inequality.
- SOCY 343 Sociology of Marriage and Family 3 credits; grading method: Reg/P-F/Aud**  
 0101 MTUWTF9.30 Bldg. AS, Rm. 3207 Kamenyer, K  
 0201 MTUWTF9.30 Bldg. AS, Rm. 3207 McInyre, J  
 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 386 Field Work 1-3 credits; grading method: Reg/P-F/Aud**  
 To Register, Students Must Have Departmental Permission Form Signed By Instructor and By Coordinator of Sociology Undergraduate Program.  
 SOCY 386 and 387 must be taken together.  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff
- SOCY 387 Field Work Analysis 1-3 credits; grading method: Reg/P-F/Aud**  
 To Register, Students Must Have Departmental Permission Form Signed By Instructor and By Coordinator of Undergraduate Program.  
 Must be taken in conjunction with SOCY 386.  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff
- SOCY 399 Independent Study in Sociology 1-6 credits; grading method: Reg/P-F/Aud**  
 (Special Departmental Permission Required)  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff  
 Prerequisites: consent of instructor and 12 credits in sociology to include one or more of - SOCY 201, 202, 303. Integrated reading or research under the direction and supervision of a faculty member. A maximum of 6 credits may be earned by a student for the same field experience in SOCY 386/387 and 399 combined.

**SOCY cont.**

- SOCY 404 Advanced Problems in Survey Data Analysis 3 credits; grading method: eg/P-F/Aud**  
 0101 1 Jun-15 Jun AS 3219 Robinson  
**SOCY 498B Selected Topics in Sociology 1-3 credits; grading method: Reg/P-F/Aud**  
 Research Methods for International Development  
 First Week of Class Will be Devoted to Orientation; Next Four Weeks to Lectures and Labs; Final Week Reserved For Debriefing, Reports, Etc.  
 0101 MTUWTF9.30-10.45 TuWThF1-3 Lec. Bldg. AS, Rm. 3221 Lab. Bldg. Arr. Smith  
 Prerequisite: SOCY 100 or 105. 2 topics of special interest to advanced undergraduates in sociology.
- SOCY 899 Special Social Problems 1-1 credits; grading method: Reg/Aud**  
 0201 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff
- SOCY 899A Advanced Problems in Survey Data Analysis 3 credits; grading method: eg/P-F/Aud**  
 0101 1 Jun-15 Jun AS 3219 Robinson  
**SOCY 799 Master's Thesis Research 1-6 credits; grading method: Reg only**  
 0201 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff
- SOCY 899 Doctoral Dissertation Research 1-8 credits; grading method: Reg only**  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff

**SPAN****SPANISH****(ARTS AND HUM)**

- SPAN 101 Elementary Spanish 4 credits; grading method: Reg/P-F/Aud**  
 USP Distributive Studies (A) Cultural and Historical Approved Course  
 0101 MTUWTF8.45-11 Bldg. LL, Rm. 0208 Howell, S  
 0102 MTUWTF8.45-11 Bldg. LL, Rm. 1224 Rodriguez, A  
 0201 MTUWTF8.45-11 Bldg. LL, Rm. 0208 Figueroa, A  
 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-F/Aud**  
 USP Distributive Studies (A) Cultural and Historical Approved Course  
 0101 MTUWTF8.45-11 Bldg. LL, Rm. 1120 Fios, A  
 0201 MTUWTF8.45-11 Bldg. LL, Rm. 1224 Valarezo, G  
 Completion of basic structures, with increasing emphasis upon reading skill, reinforced by discussion and composition. Normally leads to 104, but gifted students may be recommended for 104H. Honors version limited to students who have been recommended by their instructor in 101. Enriched course of study with broad reading base and related development of oral and written expression. Normally leads to 201 or 211 at student's option.
- SPAN 203 Intermediate Spanish 4 credits; grading method: Reg/P-F/Aud**  
 USP Distributive Studies (A) Cultural and Historical Approved Course  
 Formerly 104  
 0101 MTUWTF8.45-11 Bldg. LL, Rm. 1226 Perez, N  
 0201 MTUWTF8.45-11 Bldg. LL, Rm. 1226 McInyre, C  
 Four recitations per week, and one optional laboratory hour. Continued development of the skills of understanding and speaking with supplementary attention to reading and writing. Enriched course of study, with broad oral base and related development of reading and writing.
- SPAN 204 Review of Oral and Written Spanish 3 credits; grading method: Reg/P-F/Aud**  
 USP Distributive Studies (A) Cultural and Historical Approved Course  
 Formerly 201  
 0101 MTUWTF9-10.45 Bldg. LL, Rm. 1117 Morrissey, C  
 Prerequisite: SPAN 203. A practical language course recommended for all students continuing in Spanish. May be taken concurrently with SPAN 211 or SPAN 305.
- SPAN 221 Readings in Spanish 3 credits; grading method: Reg/P-F/Aud**  
 USP Distributive Studies (C) Literature and Arts Approved Course  
 0201 MTUWTF9-10.45 Bldg. LL, Rm. 1211 Buenaventura, E  
 Prerequisite: SPAN 104. Selected readings from various genres in Spanish and Spanish American literature. Discussion and brief written reports in Spanish.
- SPAN 301 Review Grammar and Composition 3 credits; grading method: Reg/P-F/Aud**  
 Part of Intensive Language Program;  
 See Special Features Section of Catalog.  
 0101 MTUWTF9-10.45 Bldg. LL, Rm. 1103 Fisher, P  
 Prerequisite: SPAN 201 or equivalent. An intensive review of grammar and practice in Spanish composition.
- SPAN 302 Review Grammar and Composition 3 credits; grading method: Reg/P-F/Aud**  
 Part of Intensive Language Program;  
 See Special Features Section of Catalog.  
 0101 MTUWTF9-10.45 Bldg. LL, Rm. 1123 Fisher, P  
 Prerequisite: SPAN 301 or equivalent.
- SPAN 311 Advanced Conversation 3 credits; grading method: Reg/P-F/Aud**  
 USP Distributive Studies (A) Cultural and Historical Approved Course  
 Not Open to Native Speakers  
 Section 0102 is part of the Intensive Language Program  
 See Special Features Section of Catalog.  
 0101 MTUWTF9-10.45 Bldg. LL, Rm. 2207 Gargurevich, E  
 0102 MTUWTF12.30-3.30 Bldg. LL, Rm. 2207 Fisher, P  
 Prerequisite: SPAN 201 or consent of instructor. Designed to develop fluency and accuracy in speaking Spanish.
- SPAN 312 Advanced Conversation 3 credits; grading method: Reg/P-F/Aud**  
 USP Distributive Studies (A) Cultural and Historical Approved Course  
 Not Open to Native Speakers  
 Part of the Intensive Language Program; See Special Features Section of Catalog.  
 0101 MTUWTF12.30-3.30 Bldg. LL, Rm. 1224 Fisher, P  
 0201 MTUWTF9-10.45 Bldg. LL, Rm. 1215 Heinrich, M  
 Prerequisite: SPAN 201 or consent of instructor.
- SPAN 321 Survey of Spanish Literature: 12th-17th Century 3 credits; grading method: Reg/P-F/Aud**  
 USP Distributive Studies (C) Literature and Arts Approved Course  
 Bldg. LL, Rm. 2207 Diz, M
- SPAN 386 Field Work 1-3 credits; grading method: Reg/P-F/Aud**  
 0101 Arranged Bldg. Arr. Sosnowski, S  
 0201 Arranged Bldg. Arr. Sosnowski, S
- SPAN 387 Field Work Analysis 1-3 credits; grading method: Reg/P-F/Aud**  
 0101 Arranged Bldg. Arr. Sosnowski, S  
 0201 Arranged Bldg. Arr. Sosnowski, S
- SPAN 399 Independent Study in Spanish 1-3 credits; grading method: Reg/P-F/Aud**  
 0101 Arranged Bldg. Arr. Staff  
 0201 Arranged Bldg. Arr. Staff  
 Prerequisite: permission of instructor. Specific readings in literature under the supervision of a faculty member of the department. Repeatable to a maximum of three credits.
- SPAN 408 Great Themes of the Hispanic Literatures 3 credits; grading method: Reg/P-F/Aud**  
 Don Juan  
 0201 TuThF12.30-3.30 Bldg. LL, Rm. 2207 Marra-Iopez, J  
 Pervading themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.



## SPAN cont.

<b>SPAN 418 Hispanic Literature in Transition</b> 3 credits; grading method: Reg/P-F/Aud	
Medieval Short Story	
0101	MW4-7 Bldg LL, Rm. 2207 Diz, M
May be repeated to a maximum of six credits, with change of topic	
<b>SPAN 448 Special Topics In Spanish Civilization</b> 3 credits; grading method: Reg/P-F/Aud	
The Twentieth Century	
0201	MW9-12 Bldg LL, Rm. 2207 Marra-Sopez, J
An intensive study of a selected topic related to Spanish civilization Repeatable to a maximum of six credits if content differs.	
<b>SPAN 699 Independent Study in Spanish</b> 1-3 credits; grading method: Reg/Aud	
0101	Arranged Bldg Arr. Staff
0201	Arranged Bldg Arr. Staff
This course is designed to provide graduate students an opportunity to pursue independent study under the supervision of a member of the department. Repeatable to a maximum of three credits	
<b>SPAN 799 Master's Thesis Research</b> 1-6 credits; grading method: Reg only	
0101	Arranged Bldg Arr. Staff
0201	Arranged Bldg Arr. Staff
<b>SPAN 899 Doctoral Dissertation Research</b> 1-8 credits; grading method: Reg only	
0101	Arranged Bldg Arr. Staff
0201	Arranged Bldg Arr. Staff

## SPCH

### SPEECH (ARTS AND HUM)

<b>SPCH 100 Basic Principles of Speech Communication</b> 3 credits; grading method: Reg/P-F/Aud	
0101	MTuWThF8 Bldg NN, Rm. 1202 Starcher, E
0102	MTuWThF9.30 Bldg NN, Rm. 1202 Rosenthal, B
0103	MTuWThF11 Bldg NN, Rm. 1202 Starcher, E
0104	MTuWThF12.30 Bldg NN, Rm. 2228 Rosenthal, B
0201	MTuWThF8 Bldg NN, Rm. 2212 Staff
Prerequisite: for advanced speech courses: A study of oral communication principles, including verbal and nonverbal language, listening, group dynamics, and public speaking Emphasis in this course is upon the application of these principles to contemporary problems and upon the preparation of different types of oral discourse SPCH 100 and 107 may not both be used for credit	
0202	MTuWThF9.30 Staff
<b>SPCH 107 Technical Speech Communication</b> 3 credits; grading method: Reg/P-F/Aud	
0101	MTuWTh8 Bldg NN, Rm. 2212 Uterback, A
0102	MTuWThF9.30 Bldg NN, Rm. 2212 Wolvin, A
0103	MTuWThF11 Bldg NN, Rm. 2212 Wolvin, A
0201	MTuWThF9.30 Bldg NN, Rm. 2228 Staff
0202	MTuWThF30 Bldg NN, Rm. 2228 Staff
A study of oral communication as it is part of technical fields. Emphasis in this course is on the principles and techniques of interviewing, group discussion, listening, and informative and persuasive briefings and speeches SPCH 100 and 107 may not both be used for credit	
0203	MTuWThF11 Bldg NN, Rm. 2228 Staff
<b>SPCH 125 Introduction to Interpersonal Communication</b> 3 credits; grading method: Reg/P-F/Aud	
0101	MTuWThF9.30 Bldg NN, Rm. 1204 Staff
0102	MTuWThF11 Bldg NN, Rm. 1204 Staff
0201	MTuWThF9.30 Bldg NN, Rm. 1204 Staff
0202	MTuWThF11 Bldg NN, Rm. 1204 Staff
The course will focus on the theory and its application in the area of informal interpersonal communication	
<b>SPCH 220 Group Discussion</b> 3 credits; grading method: Reg/P-F/Aud	
0101	TuTh4-7 Bldg NN, Rm. 2212 Fink, E
A study of the principles, methods and types of discussion, and their application in the discussion of contemporary problems	
<b>SPCH 470 Listening</b> 3 credits; grading method: Reg/P-F/Aud	
0101	TuTh7-10PM Bldg NN, Rm. 1204 McCaleb, J
A study of the listening process, listening variables, listening levels, and the development of effective listening behavior	
<b>SPCH 475 Persuasion in Speech</b> 3 credits; grading method: Reg/Aud	
0101	TuTh7-10PM Bldg NN, Rm. 2212 Fink, E
Prerequisite: SPCH 200 or 230 A study of the bases of persuasion with emphasis on recent experimental developments in persuasion	
<b>SPCH 496 Seminar</b> 3 credits; grading method: Reg/P-F/Aud	
0101	Arranged Bldg Arr. Staff
0201	Arranged Bldg Arr. Staff
Prerequisites: senior standing and consent of instructor. Present-day speech research	
<b>SPCH 498B Seminar</b> 3 credits; grading method: Reg/P-F/Aud	
0201	TuTh7-10PM Bldg NN, Rm. 0147 Jamieson, K
Prerequisite: senior standing and consent of instructor Present-day speech research	
<b>SPCH 498T Seminar</b> 3 credits; grading method: Reg/P-F/Aud	
Criticism of the Public Arts	
0201	TuTh4-7 Bldg NN, Rm. 0135 Jamieson, K
Prerequisites: senior standing and consent of instructor Present-day speech research	
<b>SPCH 698B Special Problems in Speech Communication</b> 3 credits; grading method: Reg/Aud	
Televison and Politics	
0201	TuTh7-10PM Bldg NN, Rm. 0147 Jamieson, K
<b>SPCH 698T Special Problems in Speech Communication</b> 3 credits; grading method: Reg/Aud	
Criticism of the Public Arts	
0201	TuTh4-7 Bldg NN, Rm. 0135 Jamieson, K
<b>SPCH 775 Seminar in Persuasion and Attitude Change</b> 3 credits; grading method: Reg/Aud	
0101	TuTh7-10PM Bldg NN, Rm. 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	
<b>SPCH 799 Independent Study</b> 1-3 credits; grading method: Reg/Aud	
0101	Arranged Bldg Arr. Staff
0201	Arranged Bldg Arr. Staff
Prerequisite: consent of instructor An individual course designed for intensive study or research of problems in any one of the three areas of drama, general speech, or radio/v	
<b>SPCH 799 Master's Thesis Research</b> 1-6 credits; grading method: Reg only	
0101	Arranged Bldg Arr. Staff
0201	Arranged Bldg Arr. Staff

## STAT

### STATISTICS AND PROBABILITY (MATH AND PHY SCI AND ENG)

<b>STAT 400 Applied Probability and Statistics I</b> 3 credits; grading method: Reg/P-F/Aud	
0101	MTuWThF11 Bldg Y, Rm. 0409 Staff
0201	MTuWThF30 Bldg Y, Rm. 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 cont.

<b>STAT 799 Master's Thesis Research</b> 1-6 credits; grading method: Reg only	
0101	Arranged Bldg Arr. Staff
0201	Arranged Bldg Arr. Staff
<b>STAT 899 Doctoral Dissertation Research</b> 1-8 credits; grading method: Reg only	
0101	Arranged Bldg Arr. Staff
0201	Arranged Bldg Arr. Staff

## TEXT (HUM AND COM RES)

### TEXTILES

<b>TEXT 150 Introduction to Textile Materials</b> 3 credits; grading method: Reg/P-F/Aud	
0101	MTuWThF9.30AM11 Lec. Bldg H, Rm. 2401/Lab. Bldg. H, Rm. 2401 Cordy, A
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.	
<b>TEXT 221 Apparel I</b> 3 credits; grading method: Reg/P-F/Aud	
0101	MTuWTh1-5 Bldg H, Rm. 2208 Anderson, C
A study of the fundamental principles and processes of pattern design and apparel construction. The relation of commercial patterns and construction techniques to apparel design problems	
<b>TEXT 222 Apparel II</b> 3 credits; grading method: Reg/P-F/Aud	
Prerequisite: TEXT 221 or Equivalent	
0201	MTuWTh1-5 Bldg H, Rm. 2208 Anderson, C
Prerequisite: TEXT 221 Apparel design through the flat pattern method. Development of portolias as well as full scale fashion design projects from original patterns. Emphasis on successful integration of pattern design with construction processes in contemporary fabrics.	
<b>TEXT 250 Textile Materials: Evaluation and Characterization</b> 3 credits; grading method: Reg/P-F/Aud	
Prerequisite: TEXT 150	
0201	MTuWTh9.30TuTh11-1.30 Lec. Bldg. H, Rm. 2201/Lab. Bldg. H, Rm. 2201 Cordy, A
Two lectures and one two-hour laboratory per week. Prerequisite: TEXT 150. An investigation of the behavior of textile materials in relation to environmental factors and conditions of service influencing performance, comfort and aesthetics Laboratory experience provides an opportunity to explore a variety of textile materials and methods of evaluation	
<b>TEXT 363 History of Textiles</b> 3 credits; grading method: Reg/P-F/Aud	
USP Distributive Studies (A) Cultural and Historical Approved Course Limited to Juniors and Seniors	
0201	TuTh7-10PM Bldg H, Rm. 1400 Poiolotti, J
Prerequisite: TEXT 150 or consent of instructor. A study of historic and contemporary fibers and fabrics. Emphasis on the analysis of design and techniques of decorating fabrics and the relationship of textiles to the aesthetic and developmental cultures of society	
<b>TEXT 396 Field Work and Analysis in Textiles</b> 3-6 credits; grading method: s-1 only	
Prerequisite: TEXT 365 and Senior Standing Limited to Majors in Textiles and Consumer Economics	
0101	Arranged Bldg Arr. Mihelcic, R
0201	Arranged Bldg Arr. Mihelcic, R
Supervised, professional, field work experience in retailing, industry or government. A seminar and a written critique of the field work experience will be required to relate formal academic study to student work experiences. Students must apply a semester in advance and enrolled in by permission of the department and is limited to majors	
<b>TEXT 441 Clothing and Human Behavior</b> 3 credits; grading method: Reg/P-F/Aud	
Prerequisites: PSYC 100 and SOCY 100	
0101	MTuWThF8 Bldg H, Rm. 1304 Oberheim, T
An exploration of socio-psychological approaches to the study of clothing in relation to human behavior Social and psychological theories will be examined as possible framework for the study and investigation of clothing	
<b>TEXT 498 Special Studies</b> 2-4 credits; grading method: Reg/P-F/Aud	
0101	Arranged Bldg Arr. Staff
0201	Arranged Bldg Arr. Staff
Independent study by an individual student or by a group of students in advanced work not otherwise provided in the department. Students must prepare a description of the study they wish to undertake. The plan must be approved by the faculty directing the study and the department chairman	

## THEATRE (ARTS AND HUM)

### THEATRE

<b>THEAT 110 Introduction to the Theatre</b> 3 credits; grading method: Reg/P-F/Aud	
USP Distributive Studies (C) Literature and Arts Approved Course	
0101	MTuWThF9.30 Bldg NN, Rm. 0241 Pugliese, R
0201	MTuWThF9.30 Bldg NN, Rm. 0241 O'leary, R
Introduction to the people of the theatre; actors, directors, designers and backstage personnel. The history and characteristics of a play script; theater forms and styles; and theater history.	
<b>THEAT 120 Acting Fundamentals</b> 3 credits; grading method: Reg/P-F/Aud	
0101	MTuWThF11 Bldg NN, Rm. 1228 O'leary, R
Basic principles of acting techniques. Exercises structured to develop the student's concentration, imagination, sense and emotional memory. Textual analysis, character analysis and scene study; and the application of these techniques to character portrayals through performance of short scenes	
<b>THEAT 476 Principles and Theories of Stage Lighting</b> 3 credits; grading method: Reg/P-F/Aud	
0101	MTuWThF9.30 Bldg NN, Rm. 1215 Donahue, T
Prerequisite: THEAT 170, recommended THEAT 273. A study of the theories of electrification, instruments, design, color, and control for stage and television. Brief survey of sound for the theatre. Practical work on production	
<b>THEAT 491 History of the Theatre II</b> 3 credits; grading method: Reg/P-F/Aud	
0101	MTuWThF11 Bldg NN, Rm. 2228 Pugliese, R
A continuation of THEAT 490 beginning with the 16th century and progressing into the 20th, examining the late Renaissance, Elizabethan, Restoration, 17th to 19th century European, and early American theatres. Emphasis on dramatic forms and styles, theatre architecture and decor, and significant personalities. Extensive use of graphic material, play reading, related theater-going	
<b>THEAT 499 Independent Study</b> 3 credits; grading method: Reg/P-F/Aud	
0101	Arranged Bldg Arr. Staff
0201	Arranged Bldg Arr. Staff
Prerequisite: permission of instructor. An independent study course in which each student completes an assigned major theater project under close faculty supervision. Projects may culminate with term papers, scenic or costume designs, or a stage production. Repeatable to a maximum of six credits.	
<b>THEAT 668 Independent Study</b> 1-3 credits; grading method: Reg/Aud	
0101	Arranged Bldg Arr. Staff
0201	Arranged Bldg Arr. Staff
<b>THEAT 699C Theories of the Drama</b> 3 credits; grading method: Reg/Aud	
Criticism of the Public Arts	
0201	TuTh4-7 Bldg NN, Rm. 0138 Meersman, R
Advanced study of the identification and development of dramatic form from the early Greek drama to contemporary forms; the aesthetics of theatre arts, and dramatic criticism.	
<b>THEAT 799 Master's Thesis Research</b> 1-6 credits; grading method: Reg only	
0101	Arranged Bldg Arr. Staff
0201	Arranged Bldg Arr. Staff

## TXCE

## TEXTILES AND CONSUMER ECONOMICS (HUM AND COM RES)

TXCE 508	Special Problems	1-3 credits; grading method: Reg/Aud		
0101	Arranged	Bldg Arr.	Staff	
0201	Arranged	Bldg Arr.	Staff	
Credit according to time scheduled and organization of the course. The course may be organized as a lecture series on a specialized advanced topic or may consist of an experimental problem other than the student's thesis topic. Maximum credit allowed toward an advanced degree shall not exceed six hours.				
TXCE 799	Master's Thesis Research	1-6 credits; grading method: Reg only	Staff	
0101	Arranged	Bldg Arr.	Staff	
0201	Arranged	Bldg Arr.	Staff	
TXCE 899	Doctoral Dissertation Research	1-8 credits; grading method: Reg only	Staff	
0101	Arranged	Bldg Arr.	Staff	
0201	Arranged	Bldg Arr.	Staff	

## UMEI

## MARYLAND ENGLISH INSTITUTE (ARTS AND HUM)

UMEI 001	English As a Foreign Language: Beginning	0 credits; grading method: S-I only		
0101	Arranged	Bldg Arr.	Staff	
0102	Arranged	Bldg Arr.	Staff	
UMEI 002	English As a Foreign Language: Intermediate I	0 credits; grading method: S-I only		
0101	Arranged	Bldg Arr.	Staff	
0102	Arranged	Bldg Arr.	Staff	
UMEI 003	English As a Foreign Language: Intermediate II	0 credits; grading method: S-I only		
0101	Arranged	Bldg Arr.	Staff	
0102	Arranged	Bldg Arr.	Staff	
UMEI 004	English As a Foreign Language: Intermediate III	0 credits; grading method: S-I only		
0101	Arranged	Bldg Arr.	Staff	
0102	Arranged	Bldg Arr.	Staff	
UMEI 005	Advanced English As a Foreign Language	0 credits; grading method: S-I only		
0101	Arranged	Bldg Arr.	Staff	
0102	Arranged	Bldg Arr.	Staff	
0103	Arranged	Bldg Arr.	Staff	
0104	Arranged	Bldg Arr.	Staff	

## URBS

## INSTITUTE FOR URBAN STUDIES (BEHAV AND SOC SCI)

URBS 350	Introduction to Urban Field Study	3 credits; grading method: Reg/P-F/Aud		
0101	MTUWThF11	Bldg. SSB, Rm. 1201	Laidlaw, C	
0201	TuThS-9	Bldg. SSB, Rm. 1221	Laidlaw, C	
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	3 credits; grading method: Reg only		
0101	Arranged	Bldg. Arr.	Williams, B	
0201	Arranged	Bldg. Arr.	Williams, B	
URBS 387	Field Work Analysis	3 credits; grading method: Reg only		
0101	Arranged	Bldg. Arr.	Williams, B	
0201	Arranged	Bldg. Arr.	Williams, B	
URBS 399A	Independent Study in Urban Topics	3 credits; grading method: Reg only		
May Be Taken Concurrently With URBS 430-Urban Internship				
0101	Arranged	Bldg. Arr.	Williams, B	
0201	Arranged	Bldg. Arr.	Williams, B	
Prerequisite: permission of instructor or one URBS course. Directed research and study of selected aspects of urban affairs.				
URBS 399I	Independent Study in Urban Topics	3 credits; grading method: Reg only		
(Permission of Instructor Required)				
0101	Arranged	Bldg Arr.	Williams, B	
0201	Arranged	Bldg. Arr.	Williams, B	
Prerequisite: permission of instructor or one URBS course. Directed research and study of selected aspects of urban affairs.				
URBS 430	Urban Internship	6 credits; grading method: Reg only		
(Permission of Instructor Required)				
0101	Arranged	Bldg. Arr.	Williams, B	
0201	Arranged	Bldg. Arr.	Williams, B	
Prerequisite: permission of the department. Supervised field training to urban-oriented programs. Emphasized areas of interest are (1) neighborhoods and communities, (2) organizations and agencies, (3) specific programs. The student will be assigned to a specific agency or project and will be responsible to that agency. Class meetings, written reports, instructor conferences, and a student's critique of his experience are included.				
URBS 488B	Selected Topics in Urban Studies	3 credits; grading method: Reg/P-F		
0101	MW5-8	Bldg SSB, Rm. 1208	Marando, V	
Prerequisite: permission of instructor.				
URBS 488D	Selected Topics in Urban Studies	3 credits; grading method: Reg/P-F/Aud		
Community Development in Neighborhoods				
0101	MW6-9	Bldg. T, Rm. 1113	Glassberg, A	
Prerequisite: permission of instructor.				
URBS 488E	Selected Topics in Urban Studies	3 credits; grading method: Reg/P-F/Aud		
Manpower and Employment Policy Planning				
0101	TuThS 15-9-15	Bldg SSB, Rm. 1208	Levin, M	
Prerequisite: permission of instructor.				
URBS 488U	Selected Topics in Urban Studies	3 credits; grading method: Reg/Aud		
Contemporary Problems of Metropolitan Areas				
0101	MTUWThF30	Bldg. SSB, Rm. 2208	Kim, H	
Prerequisite: permission of instructor.				
URBS 688B	Recent Developments in Urban Studies	3 credits; grading method: Reg only		
Urban and Metropolitan Budgeting, Programming and Administration				
0101	MW5-8	Bldg SSB, Rm. 1208	Marando, V	
Examination of a current aspect of the rapidly evolving field of urban affairs.				
URBS 688D	Recent Developments in Urban Studies	3 credits; grading method: Reg/Aud		
Community Development in Neighborhoods				
0101	MW5-9	Bldg. T, Rm. 1113	Glassberg, A	
Examination of a current aspect of the rapidly evolving field of urban affairs.				
URBS 688E	Recent Developments in Urban Studies	3 credits; grading method: Reg/Aud		
Manpower and Employment Policy Planning				
0101	TuThS 15-9-15	Bldg. SSB, Rm. 1208	Levin, M	
Examination of a current aspect of the rapidly evolving field of urban affairs.				

## URBS cont.

URBS 688U	Recent Developments in Urban Studies	3 credits; grading method: Reg/Aud		
Contemporary Problems of Metropolitan Areas				
0101	MTUWThF30	Bldg. SSB, Rm. 2208	Kim, H	
Examination of a current aspect of the rapidly evolving field of urban affairs.				
URBS 689	Internship Seminar	3-6 credits; grading method: Reg only		
(Permission of Instructor Required)				
0101	Arranged	Bldg. Arr.	Williams, B	
0201	Arranged	Bldg. Arr.	Williams, B	
Prerequisite: permission of the department. A seminar combined with a field internship with an approved urban planning or management office or organization. The internship field supervisor as well as the assignment must be approved by the professor and the Director of the Institute. The seminar will stress the application of urban and administrative theory to the actual urban environment.				
URBS 698A	Independent Study in Urban Topics	3 credits; grading method: Reg only		
(Permission of Instructor Required)				
Concurrent Registration With URBS 689 Is Possible				
0101	Arranged	Bldg Arr.	Williams, B	
0201	Arranged	Bldg Arr.	Williams, B	
Directed research and study of selected aspects of urban affairs.				
URBS 799	Master's Thesis Research	1-6 credits; grading method: Reg only		
(Permission of Instructor Required)				
0101	Arranged	Bldg. Arr.	Corey, K	
0201	Arranged	Bldg Arr.	Corey, K	

## WMST

## WOMEN'S STUDIES (ARTS AND HUM) (BEHAV AND SOC SCI)

WMST 200	Women in Contemporary Society	3 credits; grading method: Reg/P-F/Aud		
USP Distributive Studies (D) Soc and Behavioral Sciences Approved Course				
0101	MWFr-12	Bldg. A, Rm. 0102	Stevenson, S	
An interdisciplinary study of the status, roles and experiences of women in contemporary society. Sources from a variety of fields such as literature, psychology, history and anthropology, focusing on the writings of women themselves.				
WMST 498A	Special Topics in Women's Studies	3 credits; grading method: Reg/P-F/Aud		
Women in Management				
0101	MW6-9	Bldg. SSB, Rm. 1220	Lippin	
A comprehensive view of the dilemmas facing women in today's business world. Personal and organizational issues will be differentiated as the student examines the requirements for each management level and the skills needed to achieve success.				

## ZOOLOGY

## ZOOLOGY (AG AND LIFE SCI)

ZOOL 101	General Zoology	4 credits; grading method: Reg/P-F/Aud		
USP Distributive Studies (B) Nat Sciences and Mathematics Approved Course				
Credit for ZOOL 101 is not counted in the 30 hours required for the major.				
0101	MTUWThF8/TuWThS9-11	30 Lec. Bldg. ZP, Rm. 1243/ Lab. Bldg. ZP, Rm. 0249	Linder, H	
0102	MTUWThF8/TuWThS9-11	30 Lec. Bldg. ZP, Rm. 1243/ Lab. Bldg. ZP, Rm. 0233	Linder, H	
0201	MTUWThF8/TuWThS9-11	30 Lec. Bldg. ZP, Rm. 1243/ Lab. Bldg. ZP, Rm. 0249	Kent, B	
0202	MTUWThF8/TuWThS9-11	30 Lec. Bldg. ZP, Rm. 1243/ Lab. Bldg. ZP, Rm. 0233	Kent, B	
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-F/Aud		
0101	MTUWThF11/MTuWThF8-10	10 Lec. Bldg. ZP, Rm. 1250/ Lab. Bldg. ZP, Rm. 0201	Digiiovanna, A	
0102	MTUWThF11/MTuWThF8-10	10 Lec. Bldg. ZP, Rm. 1250/ Lab. Bldg. ZP, Rm. 0205	Digiiovanna, A	
0103	MTUWThF11/MTuWThF1-3	10 Lec. Bldg. ZP, Rm. 1250/ Lab. Bldg. ZP, Rm. 0205	Digiiovanna, A	
Prerequisite: ZOOL 101 or equivalent. A thorough introduction to the anatomy and physiology of the skeletal, muscular, nervous and sensory systems. An introduction into cellular physiology is also included.				
ZOOL 202	Human Anatomy and Physiology II	4 credits; grading method: Reg/P-F/Aud		
0101	MTUWThF8/MTUWThF9-11	30 Lec. Bldg. ZP, Rm. 1250/ Lab. Bldg. ZP, Rm. 0201	Kapp, J	
0202	MTUWThF8/MTUWThF9-11	30 Lec. Bldg. ZP, Rm. 1250/ Lab. Bldg. ZP, Rm. 0205	Kapp, J	
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-F/Aud			
USP Distributive Studies (B) Nat Sciences and Mathematics Approved Course				
0201	MTUWThF8/MTUWThF10-12	12 Lec. Bldg. ZP, Rm. 1238/ Lab. Bldg. ZP, Rm. 0271	Haley, A	
A comparative study of the diversity of animal form to 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 293.				
ZOOL 213	Genetics and Development	4 credits; grading method: Reg/P-F/Aud		
0101	MTUWThF11/TuWTh8-11	11 Lec. Bldg. ZP, Rm. 1238/ Lab. Bldg. ZP, Rm. 0263	Imberiski, R	
0102	MTUWThF11/TuWTh8-11	11 Lec. Bldg. ZP, Rm. 1238/ Lab. Bldg. ZP, Rm. 0263	Imberiski, R	
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 299	Supplemental Study in Zoology	1-3 credits; grading method: Reg/P-F/Aud		
Developmental Biology				
0101	Arranged	Bldg. Arr.	Imberiski, R	
Prerequisite: consent of department. Research or special study to complement a course taken previously which is not fully equivalent to current departmental requirements. Credit according to work done. Repeatable to a maximum of six credits.				
ZOOL 309H	Honors Independent Study	1-4 credits; grading method: Reg/P-F/Aud		
(Permission of Instructor Required)				
0101	Arranged	Bldg. Arr.	Staff	
0201	Arranged	Bldg. Arr.	Staff	
Prerequisite: participation in the honors program. Study of classical material by way of guided independent study and laboratory experiments. Repeatable to a total of 12 hours credit.				

**ZOOL cont.**

**ZOOL 318H Honors Research** 1-2 credits; grading method: Reg/P/F/Aud  
(Permission of Instructor Required)

0101 Arranged

Bldg. Arr.

Staff

0201 Arranged

Bldg. Arr.

Staff

Prerequisite: participation in the honors program. A laboratory research problem, required each semester during honors participation and culminating in an honors thesis. Repeatable to a total of eight hours credit.

**ZOOL 319 Special Problems in Zoology** 1-2 credits; grading method: Reg/P/F/Aud  
(Permission of Instructor Required)

0101 Arranged

Bldg. Arr.

Staff

0201 Arranged

Bldg. Arr.

Staff

Prerequisite: a major in zoology or biological sciences, a minimum of 3.0 GPA in the biological sciences and consent of the instructor. Research or integrated reading in zoology. A student may register several times and receive up to 8 semester hours of credit.

**ZOOL 386 Field Work** 1-3 credits; grading method: Reg/P/F/Aud  
(Permission of Instructor Required)

0101 Arranged

Bldg. Arr.

Staff

0201 Arranged

Bldg. Arr.

Staff

**ZOOL 387 Field Work Analysis** 1-3 credits; grading method: Reg/P/F/Aud  
(Permission of Instructor Required)

0101 Arranged

Bldg. Arr.

Staff

0201 Arranged

Bldg. Arr.

Staff

**ZOOL 460 Ethnology** 3 credits; grading method: Reg/P/F/Aud

0201 MTuWThFS30

Bldg. ZP, Rm. 1238

Edds, P.

Prerequisites: ZOOL 210 and ZOOL 212. A course in physiology is recommended. An introduction to the principles of animal behavior with emphasis on physiological bases, ecological correlates and evolutionary aspects of behavior.

**ZOOL 609 Special Problems in Zoology** 1-6 credits; grading method: Reg/Aud  
(Permission of Instructor Required)

0101 Arranged

Bldg. Arr.

Staff

0201 Arranged

Bldg. Arr.

Staff

Repeatable to a maximum of six credits. Seminar arranged for each subject selected: A-Cell biology, B-Developmental biology, C-Estuarine and marine biology, D-Genetics, E-Parasitology, F-Physiology, G-Systematics and Evolutionary biology, I-Behavior, J-General, K-Endocrinology, L-Ecology.

**ZOOL 799 Master's Thesis Research** 1-6 credits; grading method: Reg only

0101 Arranged

Bldg. Arr.

Staff

0201 Arranged

Bldg. Arr.

Staff

**ZOOL 899 Doctoral Dissertation Research** 1-8 credits; grading method: Reg only

0101 Arranged

Bldg. Arr.

Staff

0201 Arranged

Bldg. Arr.

Staff

# ALPHABETICAL DIRECTORY OF BUILDINGS

024	Allegany Hall (Dorm)	C-4	097 Dining Hall (Cambridge)	I-4	022 Kent Hall (Dorm)	D-5	004 Ritchie Colliseum	D-5
108-110	Animal Barns	I-5	251 Dining Hall (Denton)	K-3	259 LaPlata Hall (Dorm)	J-4	080 Rossborough Inn (Faculty-Alumni Club)	D-5
104	Animal Sciences Annex	I-5	026 Dining Hall (Hill)	J-4	201 Leonardtown Community Bldg.	B-6	006 Safety Offices, Plant Maintenance	E-6
142	Animal Sciences Bldg.	H-5	257 Dining Hall (Elliot)	J-4	202 Leonardtown Community Bldg.	B-6	Shops	D-5
206	Annapolis Hall (Dorm)	C-4	064 Dorchester Hall (Dorm)	K-3	238 Leonardtown Modular Residences	B-6	169 Shipley Field (Baseball)	H-4
060	Anne Arundel Hall (Dorm)	C-3	183 Education Bldg. (Benjamin Bldg.)	K-3	260 Arts Administration Bldg.	E-5	037 Shiloh Bldg. (Counseling Ctr.)	H-4
156	Aplary	J-3	183 Education Bldg. (West)	F-3	076 Art Administration Bldg.	E-5	075 Shrivley Lab. (Ag. Engineering)	E-3
146	Architecture Bldg.	F-3	186 Architecture Bldg.	F-3	088 Martin Engineering Classroom Bldg.	E-4	044 Shuttle Inn Transit Bldg.	E-4
012	Baltimore Hall (Dorm)	H-6	256 Elliott Hall (Dorm)	J-3	066 Marjorie Engineering Classroom Bldg.	G-5	038 Social Sciences Bldg.	E-3
099	Bel Aire Hall (Dorm)	D-3	223 Energy Research Facility	H-6	089 Martin Engineering Labs.	G-5	063 Somerset Hall (Dorm)	F-3
012	Baltimore Hall (Dorm)	J-5	007 Fire and Rescue Institute (MD)	C-5	084 Mathematics Bldg.	G-5	070 Sorority Houses	B-5
143	Benjamin Bldg. (Education)	G-3	034 Foreign Languages Bldg.	G-3	035 McKeldin Library	F-3	071 South Administration Bldg. and Graduate School	E-4
091	Biochemistry/Chemistry Bldg.	G-5	048 Francis Scott Key Hall	E-3	209 Memorial Chapel	G-4	224 Space Sciences Bldg.	E-4
161	Byrd Stadium	H-3	029 Frederick Hall (Dorm)	C-4	030 Montgomery Hall (Dorm)	G-4	082 St. Mary's Hall (Dorm)	G-3
015	Calvert Hall (Dorm)	I-3	031 Garrett Hall (Dorm)	D-3	040 Morrill Hall (Dorm)	E-3	084 St. Mary's Hall (Dorm)	G-3
096	Cambridge Hall (Dorm)	I-4	299 Gatehouse	F-6	011 Motor Transportation Facility	E-3	232 Student Union	G-4
070	Caroline Hall (Dorm)	D-4	237 Geology Bldg.	F-6	012 Motor Transportation Bldg.	E-3	232 Student Union	G-4
065	Carroll Hall (Dorm)	D-4	166 Golf Course Club House	F-6	176 Parking Garage #1	F-5	232 Student Union	G-4
250	Central Hall (Dorm)	G-2	092 Greenhouse Bldg.	F-6	176 Parking Garage #2	F-5	232 Student Union	G-4
001	Central Heating Plant	G-2	092 Greenhouse Bldg.	F-6	073 K. J. Patterson Hall (Agronomy, Botany)	H-4	084 Surplus Property (Md. State Agency for)	H-6
206	Central Receiving Warehouse	B-7	023 Harford Hall (Dorm)	F-6	083 J. M. Patterson Hall (Industrial Education)	G-4	076 Symons Hall (Agriculture Entomology)	F-4
028	Charles Hall (Dorm)	J-5	002 Harrison Lab.	G-3	083 J. M. Patterson Hall (Industrial Education)	G-4	030 Talbot Hall (Dorm)	D-4
090	Chemical and Nuclear Engineering Bldg.	C-4	140 Health Center	G-3	008 Photographic Services (Annapolis Hall)	C-4	043 Taliaferro Hall (English)	E-3
091	Chemistry/Biochemistry Bldg.	H-5	074 Hozafel Hall (Horticulture)	I-6	008 Photographic Services (Annapolis Hall)	C-4	141 Taves Fine Arts Bldg.	G-3
121	Chemstron Hall (Dorm)	G-5	147 Hornbake Library (Undergraduate)	G-4	093 Post Office & Custodial Bldg.	H-6	053 Temporary Classroom Bldg., AA	D-3
162	Colie Student Activities Bldg.	G-3	028 Howard Hall (Dorm)	D-3	094 Poultry Structures	H-6	058 Temporary Classroom Bldg., EE	D-3
254	Computer Science Institutes (Center of Adult Education)	G-2	158 Intercollegiate Athletic Facility	I-4	054 Gymnasium & Swimming Pool	F-4	079 Turner Lab (Dairy)	E-5
122	Cumbarland Hall (Dorm)	J-4	085 Institute of Physical Sciences	I-4	164 President's House	F-3	042 Tydings Hall, Millard E.	E-3
107	Dairy Barn	I-5	045 Instructional Technology	I-5	021 Prince George's Hall (Dorm)	D-3	147 Undergraduate Library	G-4
105	Dairy Science Office	I-6	158 Intercollegiate Athletic Facility	I-4	021 Prince George's Hall (Dorm)	D-3	250 University College (Center of Adult Ed.)	G-2
252	Denton Hall (Dorm)	J-3	059 Journalism Bldg.	F-3	061 Queen Ann's Hall (Dorm)	F-3	286 University Hills Apts.	G-1
				I-4	078 Reckord Armory	E-5	053 University Press	E-6
							053 Washington Hall (Dorm)	C-4
							069 W. M. Hall (Dorm)	C-4
							081 Wind Tunnel	G-6
							047 Woods Hall	E-3
							051 Worcester Hall (Dorm)	F-3
							144 Zoology-Psychology Bldg.	G-4

# SCHEDULE OF CLASSES DIRECTORY OF BUILDING CODES

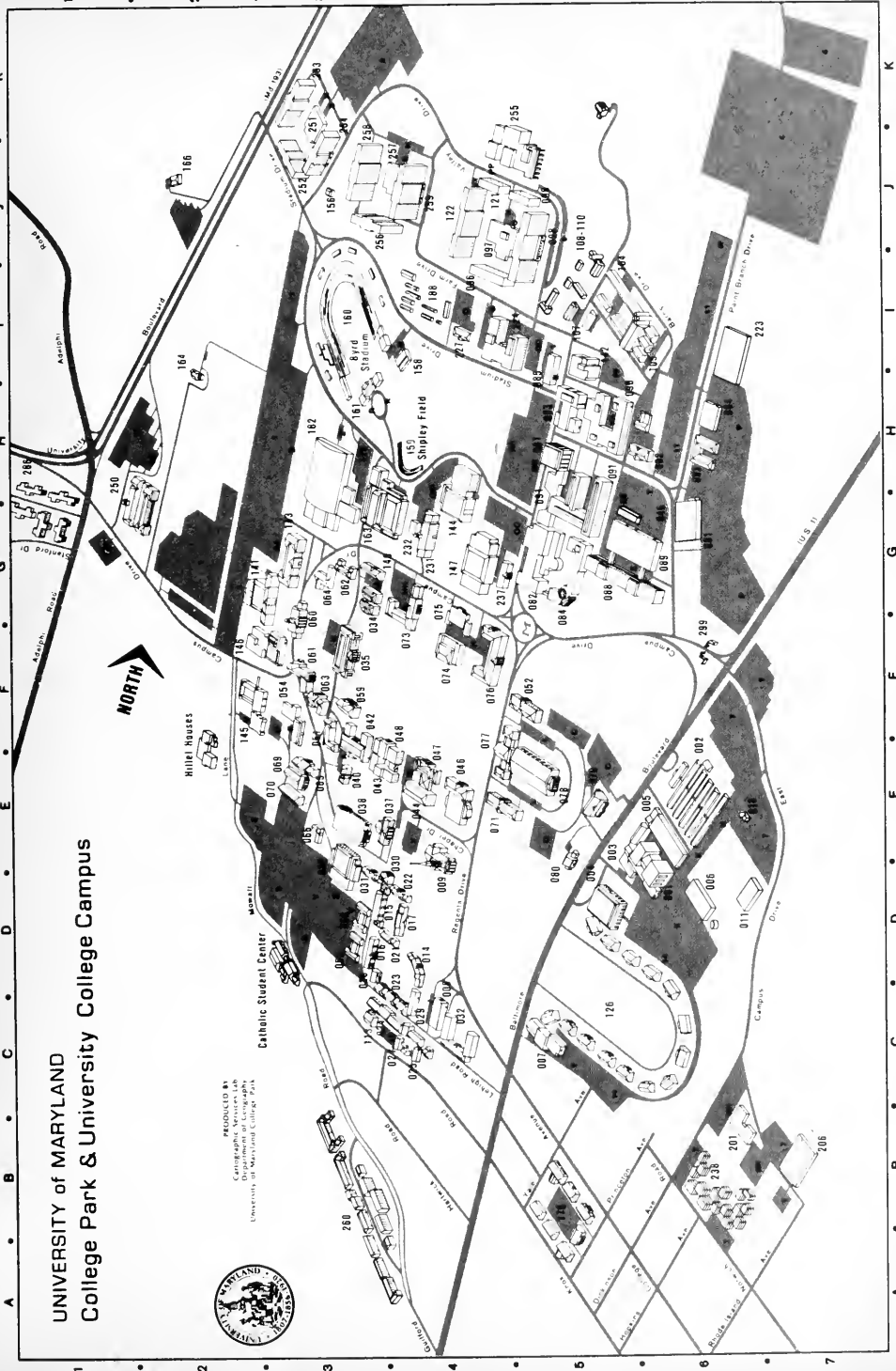
CODE	BUILDING	LOCATION	NUM.
A	Taliaferro Hall	E-3	043
AA	Temporary Classroom Bldg., AA	D-3	053
AAI	Aplary	J-3	156
AR	Reckord Armory	E-5	078
ARC	Architecture Bldg.	F-6	145
AS	Assembly Bldg.	F-2	000
ASB	Sheep Barn	I-5	110
ASB	Sheep Barn	I-5	110
BE	Beef Barn	G-5	091
COL	College Colliseum	D-5	050
D	Turner Laboratory (Dairy)	E-5	079
E	H.J. Patterson Hall	G-4	073
EE	Temporary Classroom Bldg., EE	D-3	058
G	Journalism Bldg.	F-3	059
G	Colie Student Activities Bldg.	G-3	162
G	Golf Range Hall (Human Ecology)	E-4	165
HRR	Harrison Laboratory	E-6	002
HRC	Home Management House	E-6	002
I	Shriver Laboratory	F-4	075
I	Julia Hall	I-5	227
I	Martin Engineering Classroom Bldg.	I-5	088
J	Mackaldin Library Physical Sciences & Technology	F-3	095
LAM	Laboratory Animal Management Classroom	CPB	783
LL	Foreign Languages Bldg.	F-3	034
M	Morrill Hall	E-3	040
M	Computer Science Center	I-4	224
N	Shoemaker Bldg.	E-3	037
NN	Taves Fine Arts Bldg.	F-6	147
OO	Symons Hall	G-3	141
OO	Education Bldg. (Benjamin Bldg.)	F-3	143
P	J.M. Patterson Hall	G-4	083
PH	Physical Education, Recreation, and Athletics Bldg.	J-5	255
Q	Quilley Hall	E-3	025
CO	Horse Barn	I-5	108
R	Woods Hall	E-4	047
RR	Francis Scott Key Hall	E-3	048
S	Martin Engineering Laboratory Bldg.	G-6	089
SRB	Sheep Barn	I-5	109
SS	Space Sciences Bldg.	I-5	224
SSB	Space Sciences Bldg.	E-3	038
STA	Byrd Stadium	I-3	160
STU	Student Union	F-3	163
T	Turner Lab	H-4	090
U	Undergraduate Library	G-4	147
ULB	Undergraduate Library	G-6	147
W	Preshkert Field House	F-3	054
WW	Animal Sciences Bldg.	I-5	142
X	Dairy Barn and Large Animal Classroom	I-5	107
XX	East Poultry Laboratory Bldg.	I-4	188
YY	Mathematics Bldg.	G-5	084
YY	Mathematics Annex (West)	E-3	066
Z	Physics Bldg.	G-5	082
ZP	Zoology-Psychology Bldg.	G-4	144
ZZ	Animal Sciences Annex	I-6	104

Note: Location "CPB" denotes Calvert Road Facilities

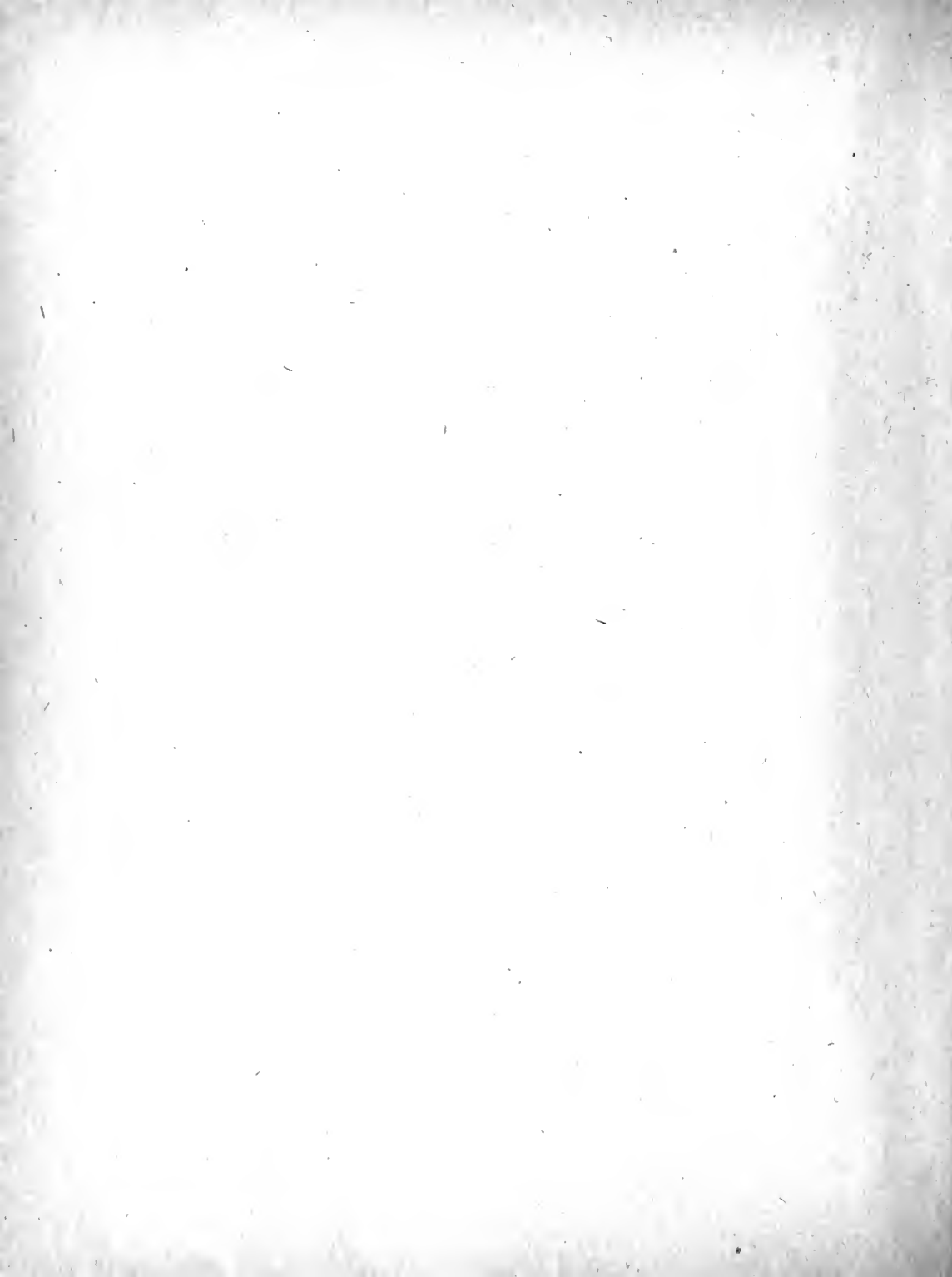
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