

1963

# 1963 Southern Illinois University Carbondale Campus (Summer Session)

Southern Illinois University Carbondale

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# **Southern Illinois University**

*Bulletin*



*Summer Session*

**CARBONDALE CAMPUS 1963**

# Objectives of Southern Illinois University

## TO EXALT BEAUTY

IN GOD  
IN NATURE,  
AND IN ART,  
TEACHING HOW TO LOVE THE BEST  
BUT TO KEEP THE HUMAN TOUCH.

## TO ADVANCE LEARNING

IN ALL LINES OF TRUTH  
WHEREVER THEY MAY LEAD  
SHOWING HOW TO THINK,  
RATHER THAN WHAT TO THINK,  
ASSISTING THE POWERS  
OF THE MIND  
IN THEIR SELF DEVELOPMENT.

## TO FORWARD IDEAS AND IDEALS

IN OUR DEMOCRACY  
INSURING RESPECT FOR OTHERS  
AS FOR OURSELVES,  
EVER PROMOTING FREEDOM  
WITH RESPONSIBILITY.

## TO BECOME A CENTER OF ORDER AND LIGHT

THAT KNOWLEDGE MAY LEAD  
TO UNDERSTANDING  
AND UNDERSTANDING  
TO WISDOM.

# 1963 Summer Session

## *Carbondale Campus*

June 17–August 8

June 17–August 31



SOUTHERN ILLINOIS UNIVERSITY BULLETIN  
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General Information  
Financial Assistance  
Summer Session (Carbondale)  
Summer Session (Edwardsville)  
Schedule of Classes (Carbondale)  
Schedule of Classes (Edwardsville)  
General Announcements (Edwardsville)  
Graduate School  
College of Education  
College of Liberal Arts and Sciences  
School of Agriculture  
School of Applied Science  
School of Business  
School of Communications  
School of Fine Arts  
School of Home Economics  
University Institutes  
Division of Technical and Adult Education

All intending students should have the General Information bulletin (issued once a year), plus the special bulletins of the various educational units in which they are most interested.

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## *This Bulletin*

covers in detail questions concerning the 1963 Summer Session of the Carbondale Campus. It does not cover all questions concerning Southern Illinois University. For complete information about the University the prospective student should refer to the General Information bulletin.

# Table of Contents

University Calendar, 1963-1964 .....	vi
Registration Calendar, Summer Session 1963 .....	vii
The Summer Session .....	viii
1 / GENERAL INFORMATION .....	1
Units of Instruction .....	1
Libraries .....	1
Health Service .....	2
Student Work Program .....	3
Motor Vehicles .....	3
Housing .....	3
Recreation .....	5
2 / ADMISSION AND REGISTRATION .....	7
Admission .....	7
Registration .....	8
Initiation of Summer Registration .....	9
Advisement .....	9
Sectioning .....	9
Fees .....	10
Course Changes and Withdrawals from the University .....	10
Class Periods .....	11
Academic Load .....	11
Requirements for a Bachelor's Degree .....	11
3 / SPECIAL INSTRUCTIONAL PROGRAMS .....	12
Credit Courses .....	12
Workshops and Short Courses .....	12
Summer Institutes for High School Teachers .....	24
Noncredit Courses .....	27
Adult Education Short Courses .....	27
Lectures and Conferences .....	28
Programs for High School Students .....	29
4 / MAP OF CARBONDALE CAMPUS .....	32
Alphabetical List of Buildings .....	32
Numerical List of Buildings .....	33
Map .....	34
5 / SCHEDULE OF CLASSES .....	37
Explanation of the Schedule .....	37
The Schedule .....	40



# University Calendar, 1963-1964

Revised January 1963

## 1963 SUMMER SESSION

Session Begins	Monday, June 17
Independence Day Holiday	Thursday, July 4
Final Examinations (8-week Session)	Wednesday–Thursday, August 7–8
Summer Commencements	Friday, August 9
Final Examinations (Summer Quarter)	Monday–Saturday, August 26–31

## 1963 FALL QUARTER

New Student Week	Sunday–Tuesday, September 22–24
Quarter Begins	Wednesday, September 25
Thanksgiving Vacation	Wednesday, 12 noon–Monday, 8 A.M. November 27–December 2
Final Examinations	Wednesday–Tuesday, December 11–17

## 1964 WINTER QUARTER

Quarter Begins	Thursday, January 2
Final Examinations	Wednesday–Tuesday, March 11–17

## 1964 SPRING QUARTER

Quarter Begins	Wednesday, March 25
Memorial Day Holiday	Saturday, May 30
Final Examinations	Thursday–Wednesday, June 4–10
Commencement (Edwardsville)	Thursday, June 11
Commencement (Carbondale)	Friday, June 12

Summer classes begin on Tuesday, June 18. During the fall, winter, and spring quarters, classes begin on the second day of the quarter. Evening classes (5:45 P.M. or later) on the Carbondale Campus begin on the first day of the quarter.

# *Registration Calendar*

## *Summer Session, 1963*

- April 10–May 31 Advance registration period for students who were enrolled in the 1962 summer session or the 1963 spring quarter and for new and re-entry students who have cleared their admission status. Students will receive fee statements by mail if registered by May 25. Students who register after May 25 must pay fees at the time of registration.
- June 13–14 Additional advance registration for students who were not campus enrollees during the 1963 spring quarter.
- June 7 Students will have their advance registration cancelled if fees are not paid at the Bursar's Office by 3:30 P.M., C.D.T., unless they have received approval for deferred payment.
- June 17 Summer session begins. Last day of regular registration.
- June 18 Classes begin except for certain workshop courses which begin on June 17. (See Schedule of Classes)
- June 18–22 Late registration period. Late fee will be assessed. Students registering only for a special course which begins later than June 17 may register on the first meeting day of class without late fee payment.
- June 22 Last registration day without dean's written approval.
- June 28 Deadline for payment of fees by students whose fees were deferred.
- June 29 Last day to withdraw from school to be eligible for a refund of fees.
- July 1 Last day for refund application to be submitted to Registrar's Office for refund of fees.
- July 5 Last day to withdraw from a course without receiving a letter grade.
- July 26 Last day for making a program change or withdrawing from school except under exceptional conditions.

# *The Summer Session*

THE SUMMER SESSION at the Carbondale Campus consists of a comprehensive program of courses offered by most of the departments of the University. The program has been planned to meet the needs of the following groups:

In-service teachers and administrators who wish to study at the undergraduate and graduate levels.

Regular undergraduate and graduate students who wish to accelerate the completion of their degree requirements.

High school graduates who wish to begin work toward a degree.

Persons who wish to register for specialized courses but are not working toward a degree.

Persons who wish to attend special-interest conferences and lectures.

Outstanding high school juniors and seniors who wish to participate in specialized noncredit programs.

During the 1963 summer session, courses for freshmen and sophomores (numbered below 300) will be offered on a regular quarter basis rather than on an eight-week basis. The summer quarter will start on June 17 and end on August 30. A student, regardless of his classification, who plans to enroll in a 100- or 200-level course will be subject to this longer period of attendance. A very few 100- and 200-level courses have been scheduled on an eight-week basis, but these will be restricted to registration by students planning to graduate in August, 1963. Courses above the 200-level will be offered on an eight-week basis starting on June 17 and ending August 8. The offering of courses on a regular quarter basis is contingent on the apportionment of funds by the state legislature.

Students who know at the time the eight-week session opens that they must miss more than three days of the session should not register or, if they have registered in advance, should withdraw. The brevity of the summer session makes it difficult for students missing more than three days to complete the required work in time.

# 1 / General Information

PERSONS INTERESTED in securing complete general information about the University should contact Central Publications, Southern Illinois University, Carbondale, Illinois, for the General Information issue of the *Southern Illinois University Bulletin*. This Summer Session issue contains only those items which are of particular interest to the summer session.

The central administrative offices for the University's activities at Carbondale, Southern Acres, and Little Grassy Lake are located at Carbondale.

The facilities at Carbondale now include more than twenty-six hundred acres of land, thirty-six permanent buildings, and numerous temporary buildings. The Little Grassy Lake camp and Southern Acres are each about ten miles from Carbondale.

## UNITS OF INSTRUCTION

The General Information issue of the *Southern Illinois University Bulletin* furnishes a complete listing of the units of instruction and the programs offered by each for both the Carbondale Campus and the Edwardsville Campus. A copy of the General Information issue may be obtained free from Central Publications, Southern Illinois University, Carbondale, Illinois.

## LIBRARIES

Four subject libraries (Education, Humanities, Science, and Social Studies), an audio-visual department, and a textbook rental service are housed in Morris Library. There are also branch libraries in the University School, the Vocational-Technical Institute, and at the Little Grassy Lake camp.

Morris Library contains over 500,000 volumes plus a collection of 75,000 maps, 2,500 phonograph records, 3,500 titles of film and about 6,000 prints, and a curriculum collection of some 10,000 items. With the exception of a small collection of rare books, the entire book collection is arranged in "open stacks."

Morris Library provides a lounge for informal study and for reading current

newspapers and periodicals of a general nature. Graduate students have a special study area and locker facilities. Group study areas are provided in each subject library. A browsing room, furnished informally, contains books of current information in many fields. A listening room permits students to use the record collection. Preview rooms in the audio-visual department provide for individual and group viewing of films.

Facilities for use of microtext are also provided. The library staff is prepared to assist students in locating books and other materials and in giving instruction in the use of bibliographic tools.

The library collection is particularly strong in American and English history and literature, education, the biological sciences, in modern social, political, and economic affairs.

The University is one of eighteen members of the Human Relations Area Files, a major source of research findings in the behavioral sciences. The files, housed in the Social Studies Library, consist of more than one and one-half million documents relating to 170 world cultures.

As part of the services of the university library system, a textbook rental system is operated for the benefit of students. Each quarter, students are furnished with the basic textbooks required for their courses. The books are returned at the end of the quarter, but students interested in purchasing any of them for their personal libraries may do so at reduced cost.

## HEALTH SERVICE

The primary purpose of the Health Service is to cultivate in students both physical and emotional health.

To serve this purpose the University maintains a well qualified staff of physicians, nurses, technicians, and a pharmacist which serves a large and active out-patient clinic. Any student enrolled in the University may consult the Health Service, free of charge, for any illness or related problem that he or she may have and receive indicated diagnostic workups and treatment. Diagnostic and treatment equipment include a modern laboratory, X-ray department, physical therapy unit, and in some instances referral to area specialists for more detailed diagnostic or treatment procedures.

The Health Service maintains a modern pharmacy where students may purchase necessary drugs or medications on a cost basis on prescription from a University physician.

Other services include the maintenance of immunization programs for polio, typhoid, diphtheria, tetanus, smallpox, and flu without charge to students.

Detailed information concerning hospitalization, the maintenance of a Student Medical Benefit Fund, and procedures to be followed in the event of illness or accident may be obtained from the Health Service.



## STUDENT WORK PROGRAM

The Student Work Office assists students in obtaining part-time work to defray a portion of their educational expenses while attending Southern and to provide work experience which relates, if possible, to the student's academic program. The Student Work Office generally finds it easier to place students who enter for the summer quarter, because there are many job-openings occurring at this time. Also, students may be authorized to work more hours during the summer than during any other quarter. Every effort is made to place students with financial need in either on-campus or off-campus jobs. Inquiries relative to student employment should be addressed to the Student Work Office.

## MOTOR VEHICLES

All motor vehicles owned or operated by students must be registered at the Student Affairs Office.

Undergraduate students are not permitted motor vehicle driving privileges. However, a student may petition to the Student Affairs Office to be classified as an exception to the rule.

## HOUSING

In housing students, the University has assumed the responsibility for developing and operating facilities which provide excellent food service, comfortable and usable study and sleeping facilities, and adequate counseling and referral services. Further, Southern is experimenting with ways to fuse the experiences of living with those of the educational process.

Assignments to university residential facilities are made on a first-come, first-served basis. One exception to this rule is that a few spaces are reserved for some students from other countries and those students receiving rehabilitation aid.

Contracts for housing are issued only to students who have been admitted to the University, but *admission* to the University *does not guarantee* that *housing* will be available. The filing of an application for admission and the filing of an application for housing are two separate and distinct steps.

The rates charged by the University for various housing units are established on the basis of current costs, and a sincere effort is made to keep these costs at a minimum. However, all rates for university housing are subject to change upon periodic evaluation of the related cost structure.

*University Housing for Single Students***Thompson Point**

The Thompson Point Residence Halls are available for men during the summer session. The cost for room and twenty meals per week is \$160 for the eight-week session or \$240 for the summer quarter. Nonresidents may contract for board only at a cost of \$120 for the eight-week session or \$177 for the summer quarter. The student government also collects \$3 dues for social events.

**Woody Hall**

A portion of Woody Hall is set aside for women during the summer session. The cost of housing and twenty meals per week is \$160 for the eight-week session or \$240 for the summer quarter. Nonresidents may contract for board only at a cost of \$120 for the eight-week session or \$177 for the summer quarter. The student government also collects \$3 dues for social events.

**Co-operative Housing**

Co-operative housing facilities are available at Southern Acres, ten miles east of Carbondale. These facilities allow the residents to provide their own meals and to do their own janitorial maintenance. Rent is \$34 for the eight-week session or \$50 for the summer quarter.

**Group Housing**

Each of the Group Housing units, located on the shores of Campus Lake, provides housing for approximately 50 men or women. The international house for women is also located in this area. The cost of room and board is \$160 for the eight-week session or \$240 for the summer quarter. Food services are provided at Thompson Point, in Lentz Hall.

*University Housing for Married Students***Southern Hills Apartments**

These facilities are newly-constructed permanent accommodations for married students. Three types of apartments are available in this area: two bedroom, one bedroom, and efficiency. All Southern Hills Apartments are furnished. The rent for an apartment varies from \$60 to \$75 per month, plus a service-utility charge of \$15 per month.

**Thompson Point Residence Halls**

A limited number of rooms will be offered in the Thompson Point Residence

Halls for families during the summer session. Rates for each adult family member are comparable to single student rates. Charges for children are reduced on a proportional basis.

### *Off-Campus Housing*

The University attempts to provide information concerning off-campus housing facilities. Lists of vacancies for single and married students are available in the Housing Office. Vacancies listed by the Housing Office are classified as accepted and nonaccepted university housing. Those units which are accepted must meet minimum sanitation, safety, and social standards as established by the University. Among the listings of off-campus facilities in the Housing Office are those of organized houses which elect officers and carry on group activities. Signed contracts with householders are often required. It is suggested that renting by mail may not prove satisfactory.

Few off-campus housing units offer meals. Meals may be obtained in the University Center cafeteria or restaurants off campus.

## RECREATION

Carbondale is situated in a natural recreation area offering many summertime recreational opportunities. Approximately three miles south is the new Midland Hills Semi-Private Golf Course. Ten miles south is Giant City State Park, a popular picnic resort with scenic beauty and a lodge with overnight accommodations.

Excellent swimming, boating, fishing, and picnic facilities are available at Crab Orchard Lake, Little Grassy Lake, Devil's Kitchen Lake, and Lake Murphysboro. All are within a fifteen-minute drive from Carbondale.

Located practically in the heart of the campus is the Lake-on-the-Campus. This facility is a recent development on the Carbondale Campus designed to provide recreational, social, and educational opportunities for students and faculty members. The facilities enable an individual to enjoy the natural beauty of the area and a momentary break from the demanding schedule of work and classes. The forty-acre lake provides swimming, boating, and fishing facilities and is surrounded by twenty-five acres of woods with picnic areas, two miles of lighted paths, and recreational games areas. The swimming area is chlorinated in order to provide the utmost safety to those using it. Many special activities are scheduled at the lake each summer, such as bike hikes, watermelon feasts, bonfires, song fests, musicals, weiner roasts, faculty-student picnics, canoe races, swimming races, fishing derbys. Since fishing is one of the most popular activities at the lake, it has been adequately stocked with large-mouth bass, bluegill, and sunfish. Twenty fishing piers have been constructed that extend into the



lake to provide safe casting. Geodesic domes, designed by Professor R. Buckminster Fuller, shelter the five major picnic areas; in each area, tables, electrical outlets, wood supply, and waste containers are provided. Recreational equipment such as softballs, volleyballs, horseshoes, and fishing tackle is available for check-out free of charge to the students at the boatdocks. Boats, canoes, and bicycles are also available at a minimum charge. Many University departments use the area to supplement classroom work.

During the summer session, group trips are planned to attend the St. Louis Municipal Opera and to visit various historical sites in Southern Illinois. Swimming and intramural recreation programs are sponsored by the physical education departments. Outdoor square-dancing programs are available. Weekly free movies are provided by Audio-Visual Services. All of these programs provide suitable outlets for the students' recreational entertainment needs.

## 2 / Admission and Registration

### ADMISSION

INQUIRIES CONCERNING ADMISSION to the Carbondale Campus should be directed to the Admissions Office. A student seeking admission as a degree student on the graduate level needs to have his application and a transcript from each institution previously attended forwarded to the Admissions Office by the last Saturday in March. Otherwise he will be admitted as an unclassified student for the summer. A student seeking admission on the undergraduate level should have all necessary papers filed with the Admissions Office no later than May 15 so that the necessary processing work may be completed.

Complete information relative to admission policy and procedure for undergraduate students will be found in the General Information issue of the *Southern Illinois University Bulletin*. Graduate students should refer to the Graduate School issue.

Admission items of specific application to the summer session and which will not be found in the General Information issue apply (1) to the undergraduate student attending another institution and who expects to graduate therefrom and who desires to attend Southern during the summer session only, (2) to a former student of Southern who plans to attend the summer session, and (3) to the high school senior who ranks in the lowest third (lower half for out-of-state students) of his graduating class who is permitted to enter (on scholastic probation) for the summer quarter. In the first case the student will be admitted as an unclassified student on the basis of a letter of good standing from the registrar of the institution the student is attending. In the second case a former student who attended the 1962 summer session and was in good standing at the close of the session need not apply for re-entrance clearance prior to advisement and registration for the 1963 summer session. In the third case the student must have registered for a minimum of 10 quarter hours during the summer quarter, and he must have completed his summer course work with a C average or better in order to continue in attendance during the fall quarter. Otherwise, he must remain out of school until the winter quarter.

#### *Social Security Identification Number*

Effective with the 1964 summer session, a student seeking admission to the University will need to present a social security number for identification pur-

poses. Your local social security office will help you obtain a number, replace a lost card, or answer any social security question. At Carbondale, the social security office is at 1007 West Main Street.

### *Required Tests*

Each entering freshman to Southern Illinois University must furnish the University with scores on the test battery administered by the American College Testing Program (A.C.T.). These tests are given at regional test centers throughout the United States in November, February, and April. Information and application blanks are normally available through the high school guidance director or principal, or may be obtained by writing directly to the American College Testing Program, Box 168, Iowa City, Iowa.

An Illinois student should apply to take the Strong Vocational Interest Blank when he applies to take the A.C.T. tests. The total fee for the A.C.T. tests with the interest blank is \$4.

Admission to the University is not based on these tests unless the student is in the lowest one-third of his high school graduating class (lower one-half for out-of-state applicants).

These test scores will be used, along with other criteria, in connection with such functions as course placement, the awarding of scholarships, selection of honor plan students, and counseling.

A student who finds it impossible to take the A.C.T. tests may have scores from the College Entrance Examination Board (C.E.E.B.) submitted. The specific scores which must be submitted if the C.E.E.B. tests are substituted are Scholastic Aptitude Test (S.A.T.), English Composition Test, and Mathematics (Intermediate) Test. To provide comparable test data, a student who submits C.E.E.B. test data will be asked to submit scores from the A.C.T. and the Strong Vocational Interest Blank no later than one month after registration.

A transfer student must furnish test scores to the Counseling and Testing Center. If the student has previously taken the A.C.T. tests, a transcript of these scores is available by sending one dollar and a written request to the American College Testing Program, Box 168, Iowa City, Iowa. If scores from similar tests are on file at the former school, a request should be made for their forwarding. (Such scores are not normally sent with a person's transcript of grades and must be requested separately from the appropriate office at the former school.) If no tests have been taken, the student should arrange to take the A.C.T. tests.

## **REGISTRATION**

The Carbondale Campus uses a central advisement and an advance registration

system. The advance registration period for the 1963 summer session is from April 10 through May 31 and on June 13 and 14. Summer session students should make every effort to consult their academic advisers and register during the advance registration period. Otherwise, they might not be able to secure needed, or desired, courses.

### *Initiation of Summer Registration*

*Undergraduate Students* in attendance at Carbondale during the 1962 summer session or the 1963 spring quarter should initiate the registration process by reporting to the Academic Advisement Center, 1218 South Thompson Street. Off-campus students should write in advance for an appointment.

A student who has taken work from Southern (Carbondale Campus) either in residence or through extension but who was not in residence during the 1962 summer session or the 1963 spring quarter must contact the Admissions Office for clearance prior to registration.

A new undergraduate student must contact the Admissions Office to be admitted.

A student who is currently attending or who last attended the University at the Edwardsville Campus and who plans to attend the Carbondale Campus during the 1963 summer session needs to initiate his registration process by contacting the Admissions Office. At that time he needs to have either an official transcript of his Southern record or a letter of good standing from the registrar at the Edwardsville Campus. This needs to be done prior to his attempt to register.

*Graduate Students* should follow the procedure outlined above, except that graduate students who attended the Carbondale Campus during the 1962 summer session or the 1963 spring quarter should initiate the registration process by reporting to the Graduate School office, 309 West Mill Street.

### *Advisement*

Academic advisers are available by appointment throughout the advance registration period, but June 13 and 14 and Saturday mornings are reserved for students who were not on campus during the 1963 spring quarter.

### *Sectioning*

Following advisement, registrations are processed at the Sectioning Center, 1218 South Thompson Street. The Sectioning Center is open from 8:00 A.M. to 5:00 P.M., Monday through Friday, April 10 through May 31. Registrations will also be processed until noon on Saturdays during this period and on June 13 and 14

for students who were not on campus during the 1963 spring quarter. On May 25, registrations will not be processed after 11:30 A.M.

### *Fees*

The fee schedule for an eight-week summer session and a regular quarter is as follows:

REGULAR FEES	EIGHT-WEEK	QUARTER
Tuition	\$31.50*	\$42.00*
Student Activity Fee	7.15	9.50
University Center Fee	5.00	5.00
Book Rental Fee	5.00	5.00
	<hr/>	<hr/>
	\$48.65*	\$61.50*

\* Out-of-state students pay an additional \$37.50 or \$50.00.

A student taking six hours or fewer during the eight-week session and eight hours or fewer during the regular quarter pays half tuition and book rental fee, full university center fee, and has an option on paying the student activity fee.

Other special fees or deposits as listed in the General Information issue will be assessed when applicable.

In the event a student enrolls in both eight-week and regular quarter classes his tuition and fees will be assessed on the quarter basis as listed above.

Students attending under state teacher-education, military, or general-assembly scholarships are required to pay the University Center Fee and the Book Rental Fee. Veterans attending under Public Laws 16 and 894 are not required to pay any of the regular fees. Students attending under Public Law 550 are required to pay fees, both regular and special, and may not use military scholarships for waiving payment of fees.

### *Course Changes and Withdrawals from the University*

A prescribed procedure must be followed by a student who desires to change his program or to withdraw from the University while the period for which he has registered is in progress. Failure to follow the official procedure will result in academic penalty.

No student may make a program change until he has paid his fees.

Program changes by an undergraduate student must be initiated with his academic adviser. Changes by a graduate student must be approved by the chairman of the student's advisory committee and the dean of the Graduate School. Program changes may be made after the student has paid his fees, but no changes will be accepted at the Sectioning Center on June 17. Program



changes made for reasons other than "for the convenience of the University" will carry a \$2 fee.

Official withdrawal from the University is initiated at the Student Affairs Office. A student who officially withdraws on or before June 29 may obtain a full refund of fees provided his application for a refund is submitted to the Registrar's Office not later than July 1. Otherwise, no refund is permitted.

### *Class Periods*

Class periods for classes scheduled on the eight week basis are seventy-five minutes in length with ten minutes allowed between consecutive class periods. Classes start at 7:30 A.M., C.D.T.

Class periods for classes scheduled on the regular quarter basis are fifty minutes in length with ten minutes allowed between consecutive periods. Classes start at 8:00 A.M., C.D.T.

### *Academic Load*

	EIGHT-WEEK	QUARTER
Normal academic load	10-12 hours	16 hours
Maximum academic load	14 hours	21 hours
Maximum if on probation	10 hours	14 hours
Minimum for full-time	8 hours	12 hours

### *Requirements for a Bachelor's Degree*

Students seeking a bachelor's degree at the Carbondale Campus are referred to page 46 of the 1962-63 General Information bulletin. This bulletin may be obtained at Central Publications, 113 E. Grand, Carbondale. Students who matriculated in a university prior to the 1962 summer session are to complete the requirements as listed on page 46 and also the specific course requirements as listed on pages 58-60. Students who started their college programs with the 1962 summer session are to meet the course requirements as outlined under General Studies, pages 47-56.

## 3 / Special Instructional Programs

Listed in this section are programs of special interest to high school juniors and seniors, recent high school graduates, regular college students, and part-time students who may or may not be working toward a degree. Among the special programs are field courses, institutes, workshops, short courses, lectures, and conferences. Both credit and noncredit programs are listed.

### **CREDIT COURSES**

Students may register for the credit courses during the advance registration period from April 10 through May 31 and on June 13 and 14. Students may also register on June 17, the opening date of the summer session. Students registering only for a special course which begins later than June 17 may do so at the first meeting of the course without late fee payment.

Fees for the special credit-courses are assessed on the same basis as fees for regular courses. (See "Fees" in chapter two of this bulletin.)

### *Workshops and Short Courses*

#### **Agricultural Industries**

*Agricultural Prices* (Agricultural Industries 452-4) June 17-July 12, Monday through Friday, 10:20-1:00. Fluctuations in the general price level, causes and stabilization policies as they affect agriculture. Price determination including the measurement of supply and demand, elasticity, and the theory of price stabilization as applied to agriculture. Prerequisites: Economics 205 and consent of instructor.

*Seminar* (Agricultural Industries 581-1) June 17-July 12, Thursday, 7:30-10:10. In this course the students will work on a common problem in agricultural economics.

#### **Art**

*Drawing Workshop* (Art 441-8) Four weeks to be arranged. For advanced students who wish to develop and deepen their ideas. Each student will

meet by appointment with the instructor. Problems will be dealt with as they arise. Discussion will then involve the student dialectically with the great forming notions of the masters, past and present.

### **Economics**

*The Economic Education Workshop* (Economics 490-4 or Secondary Education 490-4) August 12-23, Monday through Friday, 8:55-11:35 and 1:10-3:50. Detailed information appears under "Secondary Education" in this chapter.

### **Educational Administration and Supervision**

*Seminar in Comparative Education: Soviet Russia* (Educational Administration and Supervision 502S-4) July 15-August 9, Monday through Thursday, 1:10-3:45. A study of Soviet education in historical, cultural, political, philosophical, and world perspective. Special emphasis will be placed on education in communist morality and the creation of the "New Soviet Man." The course will also include a sober consideration of the challenge to American education and of the issue of the study of communism in our schools. Underlying the entire course will be the question of the roles of organized education in two profoundly different societies—the Soviet Union and the United States of America. The instructor, Professor George S. Counts, reads and speaks Russian and is the foremost authority on Soviet education.

*Workshop in School-Public Relations* (Educational Administration and Supervision 563-4) June 17-July 11, Monday through Thursday, 1:10-3:45. For teachers, supervisors, and administrators who are interested in public relations. Avenues for improving public relations will be explored. The instructor will be Visiting Professor Clyde R. Miller, who has devoted many years to study, writing, and practice in this field. He has served as consultant to many school systems.

### **Elementary Education**

*Aero-Space Education Workshop* (Elementary Education 402-4 or Secondary Education 402-4) August 12-23, Monday through Friday, 8:55-11:35 and 1:10-3:50. See "Secondary Education" for details.

*Improvement of Instruction in Arithmetic* (Elementary Education 415-3) July 22-August 9, Monday through Friday, 1:10-3:50. The instructor will be Dr. Cleo Carter. Emphasis will be given to new instructional practices, materials of instruction, methods of providing for the gifted, and means of evaluating achievement. The workshop is open to both graduate and senior college students and is planned particularly to meet the needs of in-service and prospective teachers. Students should bring with them the new state guide.



*Workshop in Elementary Education (Kindergarten-Primary)* (Elementary Education 433-4) July 1-26, Monday through Friday, 8:55-11:35. For in-service and pre-service kindergarten and first-grade teachers who wish to improve the educational program for young children by studying problems related to school beginners, curriculum, administrative procedures, evaluation and parent education, and the implications of the needs of four-, five-, and six-year-old children as they are related to the school program. Library facilities and the facilities of the University School will be drawn upon to furnish background for discussion of current issues. Much time will be devoted to group and individual observation in the University School. Dr. Rebecca Baker is the instructor. Staff of the University will be made available for discussion and consultation wherever needed.

*Workshop in Elementary School Foreign Language Instruction* (Elementary Education 435-4 or Foreign Language 435-4) June 17-July 12, Monday through Friday, 7:30-11:45. This workshop is offered in co-operation with the Department of Foreign Language. See "Foreign Languages" for details.

*Language Arts in the Elementary School* (Elementary Education 542-3) July 23-August 9. The first meeting of the course will be on Tuesday, July 23. It will meet through Friday. The second week, Monday through Friday, 8:55-11:35. Dr. Ted Ragsdale is the instructor. This workshop is designed to meet the needs of elementary teachers in improving the instructional program in handwriting, spelling, and language throughout the elementary school. Students will choose, in terms of their interests, an area or areas in the above language arts for special study.

### **Food and Nutrition**

*School Lunch Program* (Food and Nutrition 248-2) June 17-21, Monday through Friday, 9:00-12:00 and 1:00-4:00. This course will be of value to all interested in the school lunch program. It will include up-to-date information on quantity food production, use of the school lunch room for emergency feeding, equipment, sanitation, management, and personnel relationships. It will not be a duplication of Food and Nutrition 249, which was offered last summer. It will be conducted by Miss Henrietta Becker.

### **Foreign Languages**

*Workshop in Elementary School Foreign Language Instruction* (Elementary Education 435-4 or Foreign Language 435-4) June 17-July 12, Monday through Friday, 7:30-11:45. This course is open to seniors and to all those who plan to teach a foreign language at the elementary level. Special attention will be given to the problems of teachers who are using television foreign-lan-

guage programs. The morning periods will alternate discussions of methods and materials with oral drill sections in French, German, and Spanish. Students may observe children's classes in those languages each morning. The course will include also teaching films and lectures by visiting personnel. The course may be repeated for a total of eight hours.

*Intermediate Course* (German 201-3, 202-3, and 203-3) Summer study in Germany. A six-week, concentrated, study program close to one of West-Germany's cultural centers and a subsequent two-week study tour of the country and West-Berlin under the guidance of the instructor provide the participants with the equivalent of the second-year college German sequence. In addition, being in a genuine German environment will result in a better appreciation of the cultural matrix involved and will furnish greater opportunities to apply the German learned.

The participants will meet for 3 hours in the morning and 2 hours in the afternoon for formal instruction Monday through Friday. To assure continuous use of German by the participants the instructor will accompany them during many of the extra-curricular activities.

The course will be held at Jugenheim an der Bergstrasse, on the western slopes of the Odenwald Mountains. Jugenheim, in the upper Rhine valley, is also the locale of a teacher training institute. The participants will be 25 miles south of Frankfurt-on-the-Main and 25 miles north of Heidelberg. Thus they are ideally located for weekend excursions to historical and cultural sites.

Dr. Hellmut A. Hartwig, professor of German at Southern Illinois University, will be in charge of the program. He will be aided by Mrs. Hartwig in an unofficial capacity.

The group will leave on a chartered flight from St. Louis, Missouri, on June 17. After a few days of sightseeing in London they will travel to Jugenheim for the six-week formal course. After the two-week study tour the students will have a leisure period of nine days for individual sightseeing. On August 26 they will return from Paris to St. Louis.

Prerequisite for the course is one year of college German or two years of high school German. Acceptance will depend on scholarship in German and the consent of the instructor.

Persons interested in the course should contact Dr. Helmut Liedloff, Department of Foreign Languages, as soon as possible since only a limited number of students will be accepted on a strict priority basis. Participants have to make their own arrangements regarding reservation on the charter flight.

The approximate basic cost of \$850-900 includes every foreseeable expense (such as transatlantic roundtrip flight, travel in Europe, room and board). A down-payment of \$50 has to be made with the application. If a participant finds it necessary to withdraw from the course, no refund will be made unless the student can provide a substitute.

*Travel-Study Course in Mexico* (Spanish 360). This course is offered in conjunction with the Summer Study Abroad Program of the Latin American Institute and will consist of two and one-half weeks of travel and study in Mexico preceding registration at the University of Guanajuato, where the group will attend classes for six weeks. The two programs will carry a maximum of twelve hours of credit (3 from Southern, and 9 from the University of Guanajuato).

Spanish 360 is open to all students who have completed Spanish courses at the second-year college level. Applications will be accepted from students who cannot qualify for Spanish 360, and if accepted they may register for Spanish classes beginning at the elementary level at the University of Guanajuato, but preference will be given those participants taking the complete program.

Students will travel by auto, leaving Carbondale on June 16 and returning about August 13. Lectures will be given by the director at various points en route, as well as at Guanajuato; and the group will have the services of special guides and professors while in Mexico City for one week.

The fee for the combined Travel-Study and Summer Study Abroad programs has been set at \$425 and will include transportation, lodging, and guide service, plus academic fees and meals at Guanajuato (but not elsewhere). A preliminary registration fee of \$50 is due not later than April 15, with the balance due not later than May 15. In addition, students in Spanish 360 will be subject to one-half the regular summer registration fee at Southern.

Enrollment will be limited to eighteen, and applications will be accepted on a strict priority basis. The institute and the director of the study group jointly reserve the right to accept or reject applicants. Students may contact Mr. Basil C. Hedrick, Latin American Institute.

### **Geography**

*Workshop in the Teaching of Geography* (Geography 480-4) June 17-June 28, Monday through Friday, 8:55-11:35 and 1:10-3:50. This workshop will give information, techniques, skills, and practice to help teachers in geography and social studies classes. Dr. Clarence B. Odell, managing editor of Denoyer Geppert Company and author of *Successful Teaching with Globes* and *Successful Teaching with Maps* will be guest lecturer for one week. Gradation of geographic materials will make this course useful for elementary as well as junior-high teachers. Dr. Odell's services are a contribution of the Geographical Research Institute, a division of Denoyer Geppert Co.

### **Government**

*Development of German Democracy* (Government 454-8). For the fourth consecutive summer, Southern Illinois University in co-operation with the University of Hamburg is sponsoring an overseas course. This program of

government study abroad is an on-the-spot case study. Attention is given to the influence of German history upon present-day problems, the implications of the new post war Constitution of the Federal Republic of (West) Germany, and the rise of an economic, social, and political European Community of which West Germany is an integral part. All lectures are in English, and knowledge of the German language is by no means essential.

Unless students make other arrangements, they will leave St. Louis by air on June 17. A few days will be spent in England before class sessions begin in Hamburg on June 24. Students will be placed as soon as possible in private homes of English-speaking German residents of Hamburg. Classes will be offered on the campus of the University of Hamburg, with the final examination being given on August 2. This will allow for three weeks during which the student may travel on his own or as a part of a group before the charter flight leaves Paris on August 26 to return to St. Louis.

This class will be taught by Carl L. Schweinfurth, lecturer in Southern's government and history departments. Mr. Schweinfurth has been in Europe four times previously and is enthusiastic about the value of studying there. He will serve primarily as a co-ordinator. Distinguished professors of the University of Hamburg and high officials of the government of Germany will be guest lecturers and will supply a goodly part of the factual material of the course. Classes will meet mornings and afternoons, Monday through Friday, leaving weekends for optional excursions to nearby points of interest. (For the past several years, the German Government invited the class to Berlin for one of the most memorable weekends during the course.)

It is estimated that the course will cost approximately \$900. This includes all foreseeable necessary expenses for the period of the course. This is, of course, no guarantee that a student would not spend more. The estimate includes cost of the charter flight, Southern's regular fees, and living expenses in Hamburg, which are quite moderate by American standards.

Admission to the course is with the consent of the American professor and all inquiries should be directed to Carl L. Schweinfurth or Professor Orville Alexander, Chairman, Department of Government.

### **Guidance**

*Placement Counselor Training Program (Blind)* (Guidance 481-6) June 24-July 26, Monday through Friday, 8:30-11:45 and 1:30-4:45. Sponsored by the Rehabilitation Institute in co-operation with the Federal Office of Vocational Rehabilitation, this course is designed primarily for those workers already employed in the field of rehabilitation of blind persons.

Particular emphasis is given to practicum assignments in demonstration, observation, job analysis and variations of role-playing and/or sociodrama. The third week of the course is devoted to field work in a metropolitan area observing a variety of occupations which can be done without sight.



Application for admission and a traineeship stipend may be made through regional offices of the Federal Office of Vocational Rehabilitation, or sent directly to the Co-ordinator, Placement Counselor Training Program (Blind), Rehabilitation Institute, Southern Illinois University, Carbondale, Illinois.

*Institute for Rehabilitation Personnel* (Guidance 481-4) August 18-30, Monday through Friday, 7:30-3:50. Sponsored by the Rehabilitation Institute, this course is designed primarily for those workers already employed in the broad field of rehabilitation. Emphasis will be placed upon the scope of rehabilitation, services available to the handicapped, skills inherent in the rehabilitation process, and methods of mobilizing professional and community resources to meet the needs of the disabled.

The Illinois Division of Vocational Rehabilitation, the Illinois Tuberculosis Association, the Illinois Department of Mental Health, the Illinois Public Aid Commission, and the Illinois State Employment Service are co-operating with the University in conducting this institute. There are other state and private agencies participating in the program. Prominent speakers from Southern Illinois University, other universities, rehabilitation agencies, and state and federal offices will participate.

*Students will be admitted only by special permission of a committee.* The admission procedure will be outlined in an advanced announcement of the institute. For additional information, contact Dr. Guy A. Renzaglia, Director, Rehabilitation Institute.

### **Health Education**

*Workshop in Driver Education and Traffic Safety* (Health Education 415S-4) July 15-August 9, Monday through Friday, 1:10-4:30. For pre-service and in-service teachers of driver education and traffic safety. Workshop participants will be given the opportunity for exchange of ideas with staff and consultants.

Consultants from national and state agencies will present lectures and demonstrations. There also will be time for individual problems, group discussions, and opportunity for review of current philosophy and methods in the teaching of traffic safety education. Prerequisite: Health Education 302S or consent of workshop director.

*Workshop in School Health Education* (Health Education 461-4, 462-4, or 463-4) June 17-July 12, Monday through Friday, 1:10-4:30. The workshop is open to senior and graduate students and to others by special permission of the workshop director.

The workshop will provide the opportunity for work and participation in school health instruction, school health services, school health environment and administration. Lectures will be given by Southern Illinois University staff mem-

bers and outside specialists. Students will take part in group workshop sessions, consider individual school health problems, participate in group discussions, have a preview of audio-visual aids, evaluate teaching materials, and see demonstrations and have practice in testing and screening for health. The workshop has been designed for public school teachers, school nurses, school administrators, and health educators.

*Workshop in Alcohol Education* (Health Education 464-4) June 17-July 12, Monday through Friday, 1:10-4:30. An opportunity for teachers and school administrators who are responsible for, or interested in, alcohol education programs to meet with persons who have technical knowledge about alcohol. The purpose of the workshop will be to explore methods of improving alcohol education. Current factual information on what is known about alcohol will be presented. Participants will examine this body of knowledge and determine what is suitable for teaching at the various grade levels. Also, attention will be given to some of the problems arising from teaching about alcohol and effective methods of presenting the information.

The Illinois Department of Mental Health, Division of Alcoholism is cooperating with the University in conducting this program.

### **Home and Family**

*Workshop on Problems of the Nursery School* (Home and Family 407-2, Section 1) July 1-5, Monday through Friday, 9:00-4:00. This workshop will be led by Dr. Michael Zunich. The Child Development Laboratory of the School of Home Economics will serve as the location for the workshop. This workshop will be of extreme interest to directors and the personnel of nursery schools and day care centers, to students of child development and nursery education at the senior and graduate levels, and to home economics personnel. The major objective of this workshop is embodied in its title, with special emphasis in understanding what factors seem to be important in establishing and maintaining a successful nursery school.

*Workshop on the Maintenance and Operation of the Nursery School* (Home and Family 407-2, Section 2) July 8-12, Monday through Friday, 9:00-4:00. This workshop, led by Dr. Michael Zunich, meets in the Child Development Laboratory in the School of Home Economics. The major objectives will be to emphasize the maintenance and operation of a nursery school and day care center. Lecture-demonstrations, group discussions, films, and readings will constitute the major segments of the program. The following specific topics will be covered: equipment and supplies; policies (including health rules, fire regulations, insurance, fees); parent-school relationships; food (menus, portions); teaching techniques (books, stories, music); tests and measurements (including reports on children's progress).

*Work Simplification in Home Management* (Home and Family 435-4) July 15-August 9, Monday, Tuesday, Thursday, and Friday, 7:30-10:10. This will be a study of basic work-simplification principles and their application to full-time, employed, and physically handicapped homemakers. The course will be open to graduate students and undergraduate students with senior standing. It should be of particular interest to home economists in teaching, extension, or business, to workers in rehabilitation programs, and to anyone who is interested in improving methods of work. Dr. Betty Jane Johnston will be the instructor.

### **Home Economics Education**

*Workshop: Evaluation in Homemaking Education* (Home Economics Education 507-2) June 17-28, Monday through Friday, 9:00-4:00. For home economics teachers who wish to do concentrated work in clarifying values and developing effective ways of appraising progress toward the achievement of significant values. Evaluation of programs and student progress. Resource people will be used. Miss Anna Carol Fults will be the instructor.

*Trends in Home Economics Education* (Home Economics Education 515-4) June 17-July 12, Monday through Thursday, 1:10-3:50. An examination of recent trends in this field. Accepted for qualifying those who are returning to teaching positions after having been out of teaching for a number of years. Junior, senior high school, adult education, and college levels are included. Mrs. Anne Chase is the instructor.

*Methods and Materials for Adult Programs in Home Economics* (Home Economics Education 517-4) July 15-August 9, Monday through Thursday, 1:10-3:50. Program planning, developing materials, examining resources, means of teaching and evaluating adult programs. Current research in continuing education. Present day challenges relating to job training in the homemaking field.

### **Industrial Education**

*New Developments in Industrial Education* (Industrial Education 560-2 or Secondary Education 560-2) four days each week, 10:20-11:35 and 1:10-2:25. Students may register for a two-week intensive course at four different periods during the summer session, thus earning from two to eight hours of credit. The subject deals with significant developments, pressing problems, and emerging trends in the industrial education and technical fields. Selected subjects are handled by recognized authorities in the field.

Outstanding specialists have been selected to present lectures on the newer developments as they have become apparent during the past scholastic year. The subjects and the schedule of presentation follow:

Program Development and Improvement Through State and Local Co-operation	June 18-27
Improvement of Instruction Through Curriculum Development	July 1-11
The Most Rapidly Expanding Phase of Education—Research	July 16-25
Power Mechanics	July 30-August 8

### **Instructional Materials**

*Classroom Teaching with Television* (Instructional Materials 450-3) August 12-16, Monday through Friday, 8:55-11:35 and 1:10-3:50. Emphasis is placed on the changed role of the classroom teacher who uses television. Evaluation of programming, technicalities of ETV, and definition of responsibilities are included. Demonstration and a tour of production facilities are provided.

### **Journalism**

*High School Journalism Clinic* (Journalism 420-4) July 15-27, Monday through Friday, 8:00-11:00 and 1:30-3:50. The two-week clinic is designed for newspaper advisers, yearbook advisers, or journalism teachers from high schools and junior colleges. Teachers may concentrate in either newspaper or yearbook sequences and will work directly with high school students attending the month-long High School Communications Workshop (journalism section). A fully experienced school adviser will assist with instruction along with Department of Journalism staff members.

*Summer Workshop in News Analysis in the Classroom* (Journalism 499-3) August 12-22, Monday through Friday, 9:30-12:30 and 1:30-3:30, evenings optional. Study of the newspaper as a teaching aid in the junior and senior high school and upper elementary grades with emphasis upon methods of helping the student to learn to employ the journalistic media in achieving social and economic adjustment.

Professional newsmen will explain the procedures of gathering news from international, national, regional, and local sources, the editing processes and the various roles of the newspaper. There will also be a study of current public issues as a means of providing background information required for critical reading of news reports. Demonstrations and displays will illustrate the work of successful teachers working in this area. The workshop staff will include a large number of working newspapermen and members of the university faculty.

### **Music**

*Opera Workshop* (Music 346-2 to 8 or 568-2 to 8) *Section 1*. The Department of Music is offering its eighth Annual Summer Opera Workshop, under the direction of William Taylor. The workshop may be elected for 2, 4, 6, or 8 hours of credit with consent of the instructor. In past summers such



large-scale works as *Oklahoma*, *Finian's Rainbow*, *Most Happy Fella*, *Carousel*, *South Pacific*, and *Showboat* have been presented. Members of the workshop will be on call for rehearsals nightly from 7:00 to 10:00. Special workshop projects are planned for afternoon sessions on call daily from 2:30 to 4:30. The workshop is a medium of experience for singers, instrumentalists, actors, stage crews, and music or dramatic directors who wish to gain a deeper insight into the production problems of this type of performance.

*Opera Workshop* (Music 346-2 to 8 or 568-2 to 8) *Section 2*. After operating successfully for two summers, opera workshop will be offered at Hot Springs, Arkansas, under the direction of Marjorie Lawrence. Students may elect 2, 4, 6, or 8 hours of credit with consent of the instructor. Housing will be available at a minimum rate at the Hot Springs ranch (for a limited number of students) and in the city. Normal enrollment procedure should be followed. Consult the chairman of the Department of Music for details. This workshop will offer an intensive program of vocal training and operatic coaching for those musicians primarily interested in the oratorio and operatic phases of musical experience. Supplementary work in music literature and music theory will be offered. Several performances of outstanding oratorio and operatic excerpts will be given in Hot Springs and surrounding communities, culminating in a final concert at the end of the session.

*Elementary Music Education Workshop* (Music 455-4) July 15-26, Monday through Friday, 9:00-12:00 and 1:30-3:30. The workshop, presented by Dr. Forman, assistant professor of music and a guest consultant, Miss Aleen Watrous, of Wichita, Kansas, meets in air-conditioned Altgeld Hall and is open to all elementary teachers who are concerned with teaching music in the classroom.

*Instrumental Materials and Techniques Workshop* (Music 554-3) June 24-July 5, Monday through Friday, 9:00-12:00. Three instructors in instrumental music combine their experiences to present this workshop for interested instrumental teachers. The sessions are designed to give an intensive experience in the materials and methods of the instrumental music program at both the elementary and secondary levels.

### **Recreation and Outdoor Education**

Under direction of the University's Department of Recreation and Outdoor Education, a varied instructional program will be offered at the University's Little Grassy Lake camp. In addition to course work in recreation and outdoor education, there will be courses in geology, health education, physical education, speech correction, and special education.

The Department of Recreation and Outdoor Education is also offering a sum-

mer workshop, which may be taken for either credit or noncredit. Many sessions will be held at the University's Little Grassy Lake camp. Lodging and meals will be provided at a nominal cost.

*Playground Leadership Workshop* (Recreation and Outdoor Education 312-2) June 12-15. For recreation majors and minors and for those who desire some preparation and leadership training for playground programs, church programs, and youth leadership programs for the summer.

### **Secondary Education**

*Aero-Space Education Workshop* (Secondary Education 402-4 or Elementary Education 402-4) August 12-23, Monday through Friday, 8:55-11:35 and 1:10-3:50. The purpose of this workshop is to stress the importance of the topic of aero-space education in modern civilization. Every effort will be made to study well the social implications for present day society. Some of the most elementary questions in the scientific background of this period will be answered to the extent that such information is needed by the social studies teacher in discussing these problems. The United States Civil Air Patrol is co-operating with the two departments in presenting this workshop.

The course will point out the numerous available source materials and resource individuals that should be known by elementary and secondary school teachers. It is probable that some optional field trips will be taken. Please direct inquiries to Dr. Clarence D. Samford, Department of Secondary Education.

*Economic Education Workshop* (Secondary Education 490-4 or Economics 490-4) August 12-23, Monday through Friday, 8:55-11:35 and 1:10-3:50. Dr. Thomas Martinsek of the Department of Economics and Mr. Thomas Curtis will serve as co-ordinators.

The plan is to have lectures dealing with common economic problems presented daily by outside resource people. The remainder of each day will be devoted to discussing the content of the lectures and suggesting implications for developing economic concepts in the schools' curricula, grades one through twelve.

This workshop is co-sponsored by the Joint Council on Economic Education and Illinois Economic Councils of Education and by the departments of Secondary Education and Economics. Schools are encouraged to send a team of participants. Ideally, a team would consist of a teacher from each of the grade levels and an administrator. However, it is possible that one teacher will be accepted from a school system. Please direct inquiries to Dr. Clarence D. Samford, Chairman, Department of Secondary Education.

*New Developments in Industrial Education* (Industrial Education 560-2 or Secondary Education 560-2). See "Industrial Education" for details.

### Special Education

*The Gifted Child* (Special Education 418-4) July 15-26, Monday through Friday, 8:00-3:00.

A demonstration class will be taught by an outstanding teacher in conjunction with the theory part of the course. The course will explore problems of screening and identification and will examine methods of enrichment and acceleration. Major emphasis will be on teaching so that students in the workshop will be able to carry out programs in the local school situation.

### Theater

*Theater Practicum* (Theater 322-12 or 519-12). The Department of Theater will conduct a summer-stock company on the Carbondale Campus this year. In the air-conditioned Playhouse the company will present Molnar's *The Guardsman*, O'Neill's *The Great God Brown*, Goldoni's *The Servant of Two Masters*, Ibsen's *Rosmersholm*, and Kanin's *Rashomon*. The departments of Theater and Music will co-operate in the presentation of a musical.

Teachers, college students, and citizens of Carbondale and other Southern Illinois communities who wish to join the company may apply to the Department of Theater. With the consent of the department, applicants then need only register for twelve hours in Theater Practicum. Anyone interested in performing only in the summer musical should write to Mr. William Taylor, Department of Music.

Summer-stock students learn in the most practical way directing, acting, business management, lighting, make-up, scenery building, and painting. Registration for Theater Practicum and membership in the stock company must be completed before June 1. For further information about the summer-stock program, write to Dr. Sherwin Abrams, Department of Theater.

### *Summer Institutes for High School Teachers*

Students enrolling in the biology or mathematics program under grants from the National Science Foundation pay no tuition or fees. They are not entitled to the special student benefits of hospitalization. They are, however, entitled to the normal services provided by the medical staff of the University Health Service. Any obligation incurred by referral to specialists for medical or dental care and any hospitalization expenses are to be paid for by the enrollees. Books and personal materials used in the institute are to be purchased by the student.

### Biology

Southern Illinois University is one of several universities selected by the National Science Foundation to offer a special eight-week institute for biology teachers. The institute will run from June 17 through August 9.

The institute is designed to improve the teaching of biology in high school by allowing the participants to extend their preparation in subject matter. It should also contribute to greater mutual understanding and appreciation of teaching problems between secondary and college teachers.

Under terms of the grant from the National Science Foundation, teachers who qualify can receive up to \$75 per week plus \$15 weekly for each of their first four dependents. In addition, they may receive a maximum of \$80 travel allowance. Tuition scholarships will be provided by the University. Applications for stipends may be obtained from the NSF Summer Institute for High School Teachers of Biology, Room 11, Life Science Building. The completed forms must be postmarked by February 15, 1963.

Southern will award grants to 45-50 selected high school biology teachers. A special course in BSCS, Biology developed by the American Institute of Biological Sciences, will be offered to 12-15 teachers with a more diversified background in biology. All participants must be experienced teachers in high school biology who expect to continue in the profession. Grants will be made by April 1.

Special institute courses will be offered in anthropology, botany, microbiology, and zoology. (See Schedule of Classes for specific courses.) Credit in these courses may apply toward the Master of Arts, Master of Science, and Master of Science in Education degrees.

### **German**

Southern Illinois University, in co-operation with the U.S. Office of Education under the Language Development Program of the National Defense Education Act of 1958, is again sponsoring an institute for 40 secondary-school teachers of German. Last summer, Southern's NDEA institute was one of 75 such institutes for the purpose of upgrading the language proficiencies of foreign-language teachers.

The purpose of Southern's third NDEA German institute (like that of approximately 80 other summer institutes now being organized by the U.S. Office of Education) is to make available opportunities to (in our case) high school teachers of German to increase their audio-lingual proficiency in German and to become better acquainted with the latest techniques and materials of instruction. Emphasis will be placed on aural comprehension, speaking, writing; training in applied linguistics; proper use of the language laboratory; and a study and understanding of Germanic cultures.

Under the provisions of the National Defense Education Act of 1958, public school teachers may receive, upon application, \$75 per week plus \$15 per week for each dependent, while in attendance at the institute. No tuition or other fees will be charged the participants, outside of their costs for room and board. A limited number of private school teachers will be selected on a no-tuition-and-fees basis, but they will not be eligible to receive NDEA stipends.



Criteria for admission: (1) at least a bachelor's degree, (2) superior scholarship, (3) minimum of three years of college German or equivalent experience, (4) an initial rating of "good" in aural-oral proficiency in German, (5) evidence of high potential as a teacher, excellent character, and willingness to speak only German at all times during the planned activities of the institute, (6) no previous participation in an NDEA language institute, (7) reasonable assurance that the applicant plans to enter or continue in secondary-school teaching of German.

Nine quarter hours of graduate credit will be earned by the students attending the institute. Classes meet Mondays through Saturday mornings, June 24–August 9. Members of the teaching staff and all informants will reside with the participants at Thompson Point and assist as hosts at the German tables at the Lentz Hall cafeteria. The informants will also supervise the German conversation during coffee breaks and all planned recreational activities.

The core of the program will be daily lectures in German designed to acquaint the participants with Germanic cultures. Small daily conversation and composition classes will be taught by off-campus professors, all fluent speakers of German. The course on linguistics and laboratory techniques will deal with the principles of linguistic science and their application to language teaching and will provide practice in preparation of laboratory materials. Students will practice daily in the modern language laboratories. A high school teacher with experience in the "new key" methods of language teaching will demonstrate to participants the latest teaching methods. For the latter purpose, a high school class will be organized and conducted by the demonstration teacher. Several times a week, the participants will take part in evening programs of German songs, dances, movies, special lectures on topics of professional interest, etc.

The participants will not be permitted to bring their families.

The room and board charge includes all meals (except supper on the second and subsequent Sundays), the furnishing and changing of bed linens, towels, etc., and establishes the participants' right to park a car in a special parking lot and take part in the Thompson Point social activities.

Application forms must be postmarked no later than March 1, 1963. For additional information and application blanks, consult Dr. Helmut Liedloff, NDEA Summer German Institute, Southern Illinois University, Carbondale.

### **Mathematics**

*A Summer Institute for High School Teachers of Mathematics* (Grades 7–12), sponsored by the National Science Foundation, June 17–August 9. The purpose of the institute is to improve the teaching of high school mathematics by improving the mathematical competence of teachers.

Approximately fifty teachers will receive support for the institute. Stipends will be provided for the participants by the National Science Foundation, and Southern Illinois University will provide tuition scholarships. Some students

not receiving stipends are permitted to enroll in institute courses. For details on courses, see the listing under Mathematics in the Schedule of Classes.

Applications for stipends must be submitted no later than February 15, 1963. Awards will be made on or about March 10. Application blanks may be obtained by writing the director of the institute, Dr. Morton R. Kenner, Department of Mathematics, Southern Illinois University.

## NONCREDIT COURSES

### *Adult Education Short Courses*

A wide variety of noncredit adult education courses are offered by the Division of Technical and Adult Education. Some are described below.

Adult Education also offers various courses which meet one night each week for eight weeks, in business, portrait painting, machine drafting and design, and home building ideas. For details, or inquiry about courses not listed, write to: Adult Education, Southern Illinois University, Carbondale, Illinois.

*School Lunch*, June 17–21. Mornings will be given over to quantity food products, and the afternoon sessions will deal with evaluations, sanitation, using the school lunch room for emergency seating, and working with people. The sessions will be held in the Home Economics Building. They are designed primarily for school lunch room workers and administration. Three people from active and school lunch work will assist with the food preparation, and all meals will be prepared while on the Southern Illinois University campus by the students of the class. This course is offered in co-operation with the School of Home Economics. Tuition: \$5.50, plus \$2 for supplies. Housing is extra.

*Small Airports Administration Course*, June 24–26. This course is designed to give members of airport authorities, airport boards, city councils, and county boards ideas on, and understanding of how to meet the growing challenges of this vital field as to their responsibilities for legal liabilities, safety, development, financing, and action in emergencies. This course is offered jointly with the Transportation Institute.

*School of Advanced Cosmetology*, July 22–August 3. This school, held in co-operation with the Illinois Hairdressers and Cosmetologists Association, is for owners and operators of beauty salons to learn the latest techniques and methods of chemistry of cosmetics, physics of hair, contest work in hairstyling, makeup, salon management, time and motion study, advertising, art, and color design; all to produce higher profits. Housing and food services are available.

*Youth World*, August 13–16. Outstanding students selected by civic and professional organizations attend this course, to learn by participation the elements of parliamentary procedure and the application of democratic processes. It is offered jointly with the University's Local Government Center. Total fee includes tuition, instructional supplies, housing, meals, and banquet.

*Illinois Banker's School*, September 3–13. This two-week school, held in co-operation with the Illinois Banker's Association each year, is open to employees of banks. Its purpose is to provide techniques and latest methods, among which are bank operation, trusts, Federal Reserve, farm and commercial credit, economics, speech, and accounting.

*Waterway Safety Program*, September 9–11. This course is designed to study problems of, and to develop methods for combatting the hazards of, handling chemicals and other bulk cargoes that move by water. It is offered jointly with the Transportation Institute.

### *Lectures and Conferences*

Each summer, as well as during the regular school year, various departments schedule conferences, lectures, exhibits, or clinics in co-operation with the Division of University Extension. Several such activities have been scheduled during the 1963 summer session. A partial list of those that will be of particular interest to summer school students is provided below.

*Second National Workshop for Tennis Teachers*, June 23–26. This workshop, designed for those who teach tennis in a group or class situation, is sponsored by the United States Lawn Tennis Association; the American Association for Health, Physical Education, and Recreation; and Southern Illinois University. The workshop will feature Dr. John Hendrix, Tennis Coach, Ohio State University, Mr. Bill Murphy, Tennis Coach, University of Michigan, and Mr. Bill Price, Director, Price Tennis School, St. Louis, Missouri. Enrollment is limited to 100. For additional information write to Dr. John R. LeFevre, Intercollegiate Athletics.

*Educational Materials Exhibit*, June 25–27. This is considered one of the outstanding exhibits of educational materials held in the midwest. Representatives of approximately one hundred publishers and distributors of educational materials will be available to explain their products. For further information contact Dr. Benson B. Poirier, Division of University Extension.

*Summer Education Conference*, June 25, 26. In connection with the Educational Materials Exhibit, the College of Education sponsors a conference

dealing with current educational problems. Noted authorities are in attendance to discuss and investigate the various aspects presented by the problems. Additional information can be obtained from Dr. J. Murray Lee, Department of Elementary Education.

*International Conference of Weekly Newspaper Editors*, July 14-19. This workshop on weekly newspaper editorial policies will feature an outstanding faculty. For further information contact Dr. Howard Long, Department of Journalism.

*Annual Coaching Clinic*, August 8, 9. Distinguished coaches in both football and basketball present lectures and demonstrations of the principles and techniques applicable to their sport. All Illinois coaches and Southern Illinois University graduates are invited to attend without charge. A small fee is charged other coaches. Additional information is available from Dr. Andrew Vaughan, Department of Physical Education for Men.

*Illinois Education Association Workshop*, August 12-14. This workshop is designed to develop the leadership skills of those teachers who are assuming positions of responsibility in the Illinois Education Association. For further information write W. Stewart Williams, Field Associate, Illinois Education Association, Springfield, Illinois.

## *Programs for High School Students*

### **Music and Youth at Southern**

The Department of Music, in co-operation with the Division of University Extension and with the Area Services Division, is offering a summer program in music for precollege students. The two-week session begins July 7 and ends July 20. Total fee for the period is \$59, including tuition and room and board at University residence halls. Outstanding leaders in music education will rehearse the three main performing organizations: band, chorus, and orchestra. An intensive musical schedule, including sectional rehearsals and private lessons, together with introductory listening courses in music literature will be provided. Musicians of high school age (including recent eighth grade graduates) are eligible to participate. Recreational activities will be centered around campus facilities, including the new University Center. Final public programs by the performing organizations are scheduled for the end of the session.

### **National Science Foundation Programs**

Special courses for high school students with superior backgrounds will be offered during the eight-week summer session in animal ecology, anthropology,



chemistry, experimental psychology, mathematics, microbiology, physics, and physiology. The courses are designed for high-ability students ranking in the upper quarter of their classes, for scholarship winners, and for students having special ability in science courses. The courses will be offered in units consisting of any three of the above fields of the student's choice. All students will attend daily morning lectures in the three subjects of his unit, and, in addition, will spend his afternoons conducting research problems under supervision in the course he designates as his field of major interest.

Approximately 45 students will be chosen to attend the session starting June 17 and terminating August 10. This program, under the support of the National Science Foundation, affords an excellent opportunity, for students who qualify, to matriculate in college-level science offerings. There is no tuition fee; and board, room, and travel will be awarded in full or on the basis of need to the selected participants.

Any high school student who will be a junior or senior in the spring of 1963 may apply. (Sophomores of exceptional ability will be considered only on a very limited basis.) Applications may be obtained from your high school or by writing to Dr. George H. Gass, Department of Physiology, Southern Illinois University, Carbondale, Illinois.

### Summer High School Workshops in Communications

Workshops will be held in journalism, debate, theater, photography, and radio-television. Open to superior high school students who are currently in their sophomore or junior year, the workshops will run, concurrently, for a period of four weeks beginning July 7. High school students will live in university-supervised residence halls. Each of the workshops is designed to provide an enriching experience for high school students interested in communications. The students who attend should be those who will return to their schools with attitudes and skills which make for better high school programs.

In the *journalism* workshop, students will learn how to produce better school newspaper and yearbooks. They will receive training in photography. Students will write and edit four issues of a workshop newspaper and a publication similar to a yearbook. In the last part of the workshop period they will also be given writing assignments for *The Egyptian*, Southern's student newspaper.

The *debate* students study and prepare cases in the general area of the national high school debate proposition. In this workshop, experiences are also provided in oratory, extemporaneous speaking, discussion, and after-dinner speaking.

The *theater* workshop consists of work in (1) acting and production with emphasis on training the individual through the use of monologues, excerpts from plays, and other presentational activities, and (2) technical theater and staging.

The *photography* workshop will provide experience in taking, developing, printing, and editing pictures for publication.

The *radio-television* workshop will provide experiences in announcing, programming, writing, and producing radio shows. Students in this workshop will use the University's radio-television facilities. Some experience will be offered in television production.

Total fee for room and board and registration fee is \$102.50.

A social program of swimming, field trips, dances, horseback riding, plays, and picnics is also provided.

For further information concerning any of the workshops write to Mr. Marlan D. Nelson, Summer School High School Workshop Co-ordinator, Department of Journalism, Southern Illinois University, Carbondale, Illinois.

# 4 / Map of Carbondale Campus

THIS MAP has been prepared primarily to help students find classrooms, offices, and housing.

## ALPHABETICAL LIST OF BUILDINGS

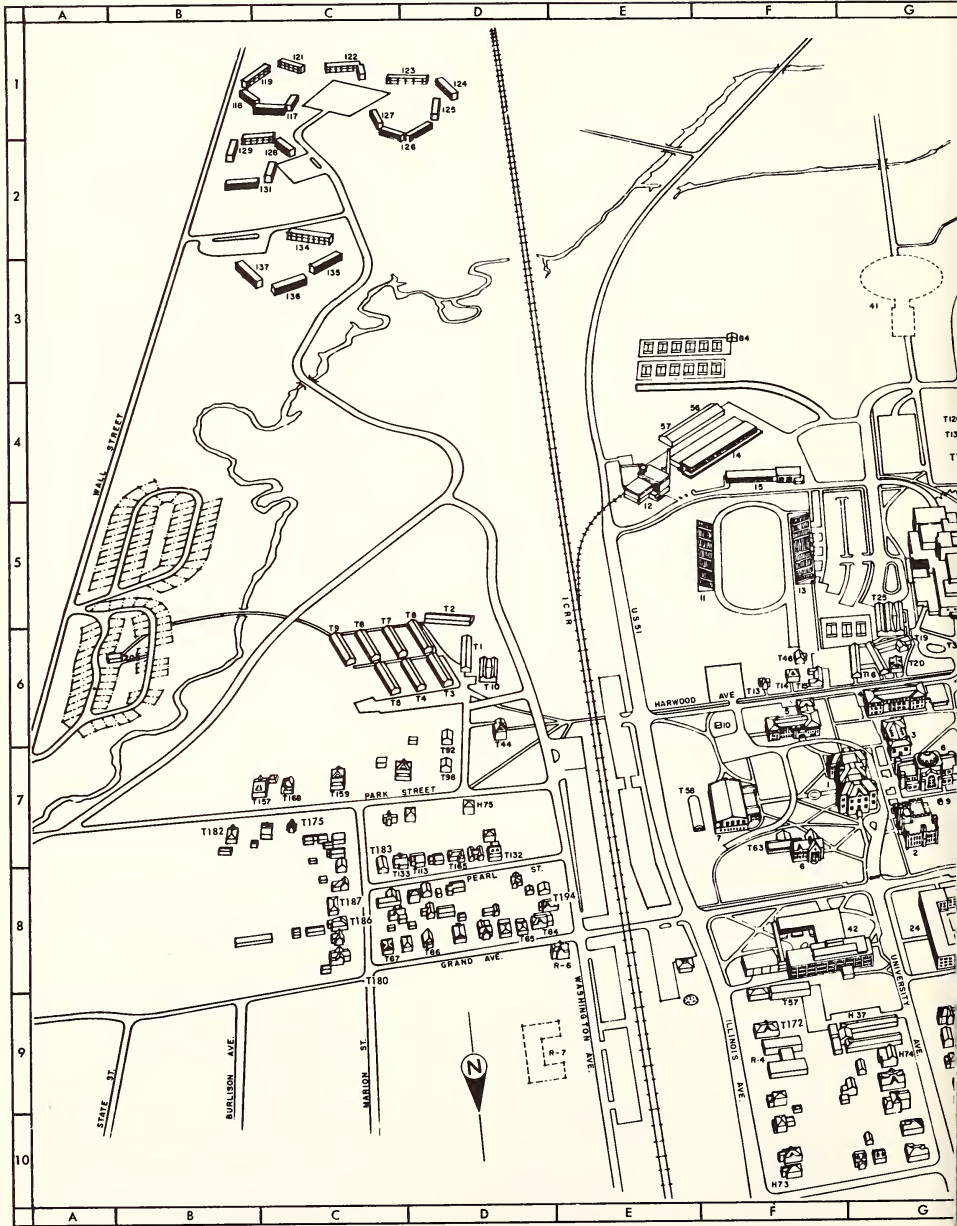
38	Abbott Hall (K-4)	T141	Educational Television Research (K-7)
T32	Accounting, Department of (G-6)	T40	Education Classrooms (H-5, 6)
T78	Adult Education (H, I-10)	T41	Education Classrooms (H-5, 6)
T65	Advisement Center (H-5)	44	Education, College of (Proposed) (J-8)
T63	AFROTC Supply (F-7)	20	Electric Sub-station No. 9 (I-6)
26	Agriculture Building (I-5)	T91	English, Department of (J-9)
3	Allyn Building (G-6)	T102	English, Department of (G-9)
104	Alpha Gamma Delta (L-4)	T136	English, Department of (G-9)
2	Allgeld Hall (G-7)	T196	English, Department of (I-9)
T14	Alumni Service (F-6)	85	Episcopal Foundation (I-10)
T96	American Board Examiners, Psychology (L-7)	5	Extension Service (F-6)
18	Animal Building (I-6)	T135	Faculty Club (G-4)
5	Anthony Hall (F-6)	117-137	Family Housing (B, C, D-1, 2, 3)
42	Anthropology, Department of (F, G-8)	T29	Farm Quonset Machine Shop (H-4)
57	Applied Science Laboratory (E-4)	34	Felts Hall (K-4)
T87	Area Psychological Service (C-8)	T115	Film Production Units (L-7)
5	Area Services (F-6)	T157	General Improvements (B, C-7)
T159	Art Annex No. 1 (C-7)	T173	Geography Annex 1 (M-7)
T182	Art Annex No. 2 (B-7)	T171	Geography Annex 2 (M-7)
T116	Asian Studies (M-8)	T105	Geography, Climatology Laboratory (J-5)
T35	Auditor (H-6)	T107	Geology (K-5)
28	Bailey Hall (J-4)	T119	Geology (K-6)
39	Baldwin Hall (K-4)	T137	Government, Department of (H-10)
R1	Baptist Foundation (H-7)	T77	Graduate School, Dean of (H-10)
R2	Baptist Foundation (J-7)	19	Greenhouses (I-6)
79	Beach House (J-2)	101-116	Group Housing (L, M, N-3, 4)
T94	Botany and Zoology (J-6)	T74	Guidance, Department of (J-7)
T176	Botany Research (L-8)	7	Gymnasium (F-7)
31	Bowyer Hall (J-3)	T85	Health Education and Safety (D-8)
33	Brown Hall (K-3)	T138	Health Education, Department of (L-8)
T34	Bursar (H-6)	T44	Health Service (D-6, 7)
T33	Business Manager (H-6)	T98	Health Service (D-7)
T32	Business, School of (G-6)	T144	Higher Education, Department of (H-10)
T145	Business, School of (Dean) (I-9)	42	Home Economics Building Group (F, G-8)
T106	Cartographic Office (J-5)	T18	Housing Office (G-6)
T167	Center for Study of Crime, Delinquency, and Corrections (K-9)	T57	Illinois Avenue Residence Hall (F-9)
T66	Central Clinical Services (J-6)	T27	Industrial Education, Classroom (H-4)
T39	Central Mailing (H-6)	T26	Industrial Education Offices, Classrooms, and Drafting Room (H-4)
T86	Central Publications (D-8)	T25	Industrial Education Shops (G-5)
T99	Central Research Shop (L-7)	21	Industrial Education Wing, University School (I-8)
80	Charlarian Pump House (J-2)	T73	Industrial Psychology Annex 4 (L-7)
R3	Christian Foundation (E, F-8)	5	Information Service (F-6)
T85	Civil Defense (D-8)	T169	Instructional Materials Classroom (L-7)
T105	Climatology Laboratory (J-5)	T163	Janitorial Services (K-7)
5	Community Development Institute (F-6)	T48	Journalism, Egyptian (H-4)
5	Community Development Services (F-6)	T185	Journalism Annex (K-7)
T101	Cooperative Wildlife Research (J-7)	35	Kellag Hall (K-4)
T100	Coordinator of Research (L-8)	T124	Labor Institute (L-7)
T39	Data Processing and Computing Center (H-6)	T92	Latin American Institute (D-7)
101	Delta Chi (M-4)	56	Laundry (E-4)
103	Delta Zeta (M-4)	27	Lenz Hall (J-4)
T125	Design (J-5)	17	Life Science Building (I-6)
T126	Design (J, K-6)	13	McAndrew Stadium (F-5)
T128	Design (J-6)	T29	Machine Shop, Farm Quonset (H-4)
T129	Design (K-6)	T146	Management (K-9)
T149	Design Shop A (K-6)	T109	Marketing (J-7)
T150	Design Shop B (J-6)	T110	Mathematics (J-9)
T151	Design Shop C (J-6)	T111	Mathematics (J-9)
T152	Design Shop D (K-6)	H32	Men's Physical Education Research (J-6)
T155	Dewey Editorship (M-8)	T2-T9	Men's Residence Halls (C, D-6)
T162	Economics Annex (I-6)	R4	Methodist Foundation (F-9)
T31	Economics, Department of (G-6)	T106	Mississippi Valley Investigation (J-5)
T42	Education Administration (H-5, 6)	25	Morris Library (I-6)

**ALPHABETICAL LIST OF BUILDINGS (Continued)**

- R6 Newman Foundation (D, E-8)
- R7 Newman Foundation (Proposed) (D, E-9)
- T95 Nursery and Psychology (K-5)
- 1 Old Main (F-7)
- 4 Parkinson Laboratory (G-6)
- T113 Personnel Office (F-6)
- 113 Phi Sigma Kappa (M, N-4)
- T132 Photographic Service (D-7)
- T27 Photography Classroom (H-4)
- 41 Physical Education and Military Training Building (Proposed) (G-3)
- T76 Physical Education (H-10)
- T58 Physical Education Quonset (E-7)
- 22 Physical Education Wing, University School (I-9)
- 29 Pierce Hall (J-3)
- T162 Pine Hills Station
- 5 Placement Service (F-6)
- T120 Plan "A" House (G-4)
- 12 Power Plant (E-5)
- T45 President's Office (H-7)
- T142 Psychology (L-6)
- T68 Psychology, Department of, Annex 1 (K-6)
- T70 Psychology, Department of, Annex 2 (K-6)
- T71 Psychology, Department of, Annex 3 (L-6)
- T69 Psychology, Main Office (K-6)
- T60 Psychology, Perception Laboratory (K-7)
- 10 Pump House (F-6)
- 30 Pump House No. 2 (J-3)
- T33 Purchasing and Accounting (H-6)
- T37 Radio Studio (G-6)
- T108 Reading Center (J-7)
- T1 Recreation and Apartment (D-6)
- T84 Recreation and Outdoor Education, Department of (D-8)
- T35 Registrar (H-6)
- T62 Rehabilitation Counselor Training (K-7)
- T103 Rehabilitation Institute (K-7)
- T93 Rehabilitation Institute Administrative Offices (K-7)
- T90 Rehabilitation Perception Research (L-7)
- 35-39 Residence Halls (J, K-4)
- T108 Secondary Education (J-7)
- T32 Secretary of Faculty (G-6)
- T65 Sectioning Center (H-5)
- T18 Security Officer (G-6)
- 14 Service Building No. 1 (F-4)
- 15 Service Building No. 2 (F-4)
- 78 Shelter and Boat Dock (H, I-3)
- 6 Shryock Auditorium (G-7)
- 102 Sigma Kappa (M-4)
- 105 Sigma Pi (L-3)
- 107 Sigma Sigma Sigma (M-4)
- T80 Small Business Institute (L-9)
- 37 Smith Hall (K-4)
- T79 Sociology (J-9)
- T104 Sociology (J-9)
- T121 Sociology (I-9)
- T36 Southern Playhouse (H-6)
- T75 Special Education, Department of (J-7)
- T38 Speech, Department of and Classrooms (H-6)
- T61 Speech and Hearing Clinic (K-7)
- T156 Speech Correction, Department of (K-8)
- 51 State of Illinois Public Health Laboratory (M-6)
- 32 Steagall Hall (J-3)
- 11 Steel Bleachers (F-5)
- T39 Stenographic Service (H-6)
- 9 Storage (G-7)
- T10 Storage Building (D-6)
- T19 Student Affairs Office (G-6)
- T15 Student Employment (F-6)
- 106 Tau Kappa Epsilon (M-3)
- T78 Technical and Adult Education, Division of (H, I-10)
- T191 Technology, School of (Deon) (L-7)
- 84 Tennis Courts (F-3)
- T18 Testing Center (G-6)
- 114 Theta Xi (M-4)
- 205 Trailer Court Service Building (B-6)
- T113 Transportation Institute (D-8)
- T192 Typography Laboratory (K-7)
- T158 University Architect Construction Division (L-6)
- 45 University Center (G-6)
- HI-H76 University Housing (F-9, F-10, G-5, G-9, J-5, J-6, K-5, K-6)
- T117 University Press (K-7)
- 23 University School (I-9)
- 83 Vice President, Office of (H-7)
- T161 Virology Research Laboratory (M-6)
- 36 Warren Hall (K-4)
- 8 Wheeler Hall (F-8)
- T67 Wildlife Research Laboratory (J-6)
- 24 Woody Hall (G-8)
- T175 Women's Physical Education Annex (C-7)
- T72 Zoology (L-6)

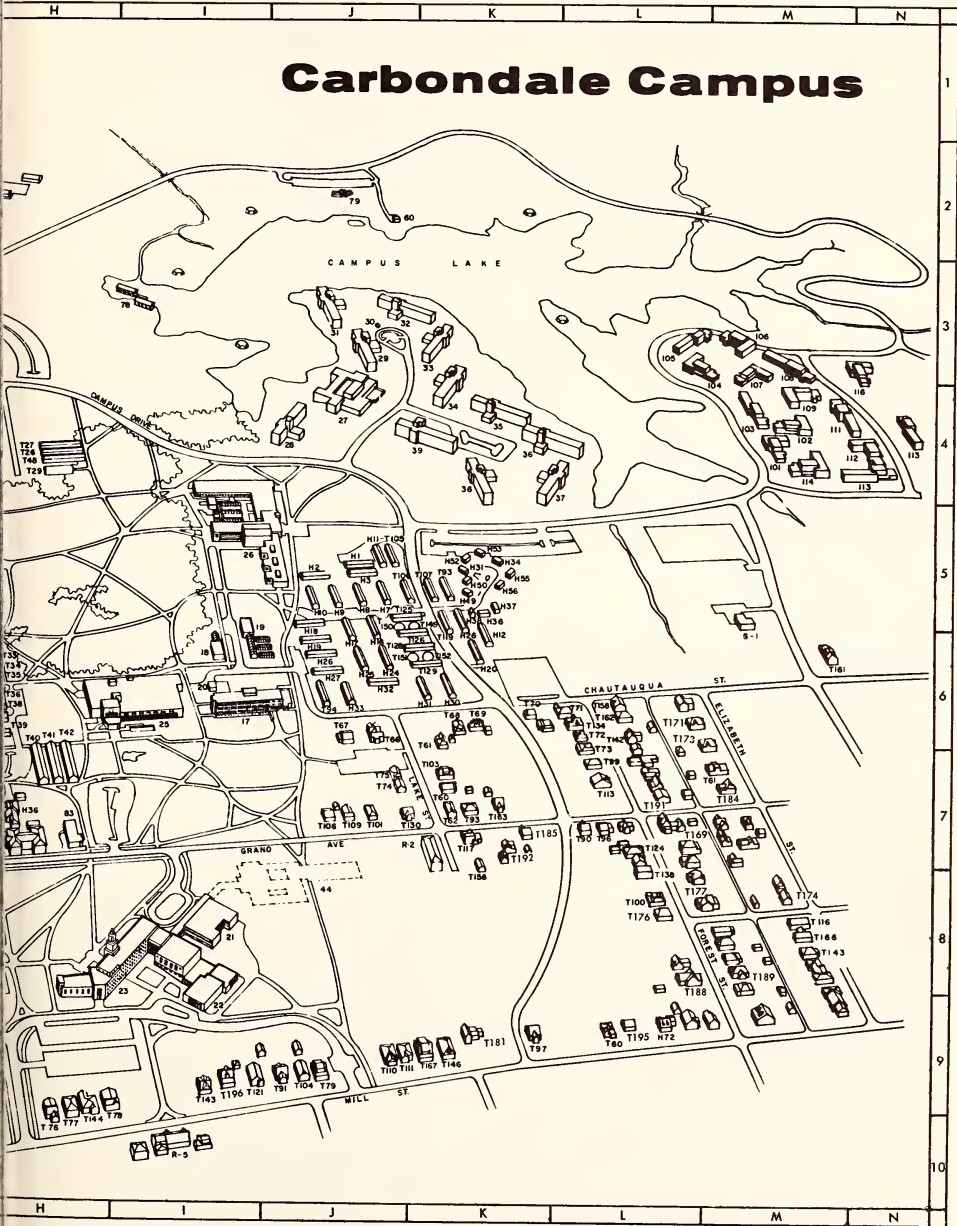
**NUMERICAL LIST OF BUILDINGS**

- 1 Old Main (F-7)
- 2 Altgeld Hall (G-7)
- 3 Allyn Building (G-6)
- 4 Parkinson Laboratory (G-6)
- 5 Anthony Hall, Area Services; Community Development Institute; Community Development Services; Extension Service; Information Service; Placement Service
- 6 Shryock Auditorium (G-7)
- 7 Gymnasium (F-7)
- 8 Wheeler Hall (F-8)
- 9 Storage (G-7)
- 10 Pump House (F-6)
- 11 Steel Bleachers (F-5)
- 12 Power Plant (E-5)
- 13 McAndrew Stadium (F-5)
- 14 Service Building No. 1 (F-4)
- 15 Service Building No. 2 (F-4)
- 17 Life Science Building (I-6)
- 18 Animal Building (I-6)
- 19 Greenhouses (I-6)
- 20 Electric Sub-Station No. 9 (I-6)
- 21 Industrial Education Wing, University School (I-8)
- 22 Physical Education Wing, University School (I-9)
- 23 University School (I-9)
- 24 Woody Hall (G-8)
- 25 Morris Library (I-6)
- 26 Agriculture Building (I-5)
- 27 Lentz Hall (J-4)
- 28 Bailey Hall (J-4)
- 29 Pierce Hall (J-3)
- 30 Pump House No. 2 (J-3)
- 31 Bowyer Hall (J-3)
- 32 Steagall Hall (J-3)
- 33 Brown Hall (K-3)
- 34 Fells Hall (K-4)
- 35 Kellogg Hall (K-4)
- 36 Warren Hall (K-4)
- 37 Smith Hall (K-4)
- 38 Abbott Hall (K-4)
- 39 Baldwin Hall (K-4)
- 41 Physical Education and Military Training Building (Proposed) (G-3)
- 42 Home Economics Building Group, Department of Anthropology (F, G-8)
- 44 College of Education (Proposed) (J-8)
- 45 University Center (G-6)
- 56 Laundry (E-4)
- 57 Applied Science Laboratory (E-4)
- 78 Shelter and Boat Dock (H, I-3)
- 79 Beach House (J-2)
- 80 Chlorination Pump House (J-2)
- 83 Office of the Vice President (H-7)
- 84 Tennis Courts (F-3)
- 101 Delto Chi (M-4)
- 102 Sigma Kappa (M-4)
- 103 Delta Zeta (M-4)
- 104 Alpha Gamma Delta (L-4)
- 105 Sigma Pi (L-3)
- 106 Tau Kappa Epsilon (M-3)
- 107 Sigma Sigma Sigma (M-4)
- 108-112 Group Housing (M-3, 4)
- 113 Phi Sigma Kappa (M, N-4)
- 114 Theta Xi (M-4)
- 115-116 Group Housing (N-4)
- 117-137 Family Housing (B, C, D-1, 2, 3)
- 205 Trailer Court Service Building (B-6)





# Carbondale Campus





## NUMERICAL LIST OF BUILDINGS (Continued)

- H**
- H1-H76 University Housing (F-9, 10; G-5, 9; J, K-5, 6)  
H32 Men's Physical Education Research (J-6)
- R**
- R1 Baptist Foundation (H-7)  
R2 Baptist Foundation (J-7)  
R3 Christian Foundation (E, F-8)  
R4 Methodist Foundation (F-7)  
R5 Episcopal Foundation (I-10)  
R6 Newman Foundation (D, E-8)  
R7 Newman Foundation (Proposed) (D, E-9)
- S**
- S1 State of Illinois Public Health Laboratory (M-6)
- T**
- T1 Recreation and Apartment (D-6)  
T2-T19 Men's Residence Halls (C, D-6)  
T10 Storage Building (D-6)  
T11 Personnel Office (F-6)  
T12 Alumni Service (F-6)  
T13 Student Employment (F-6)  
T18 Housing Office; Security Officer; Testing Center (G-6)  
T19 Student Affairs Office (G-6)  
T25 Industrial Education Shops (G-5)  
T26 Industrial Education Offices, Classrooms, and Drafting Room (H-4)  
T27 Industrial Education Classroom; Photography Classroom (H-4)  
T29 Farm Quonset Machine Shop (H-4)  
T31 Department of Economics (G-6)  
T32 Department of Accounting; School of Business; Secretary of Faculty (G-6)  
T33 Accounting; Business Manager; Purchasing (H-6)  
T34 Bursar (H-6)  
T35 Auditor; Registrar (H-6)  
T36 Southern Playhouse (H-6)  
T37 Radio Studio (G-6)  
T38 Department of Speech, and Classrooms (H-6)  
T39 Central Mailing; Data Processing and Computing Center; Stenographic Service (H-6)  
T40 Education Classrooms (H-5)  
T41 Education Classrooms (H-6)  
T42 Education Administration (H-5, 6)  
T44 Health Service (D-6, 7)  
T45 President's Office (H-7)  
T48 Egyptian; Journalism (H-4)  
T57 Illinois Avenue Residence Hall (F-9)  
T58 Physical Education Quonset (E-7)  
T60 Psychology Perception Laboratory (K-7)  
T61 Speech and Hearing Clinic (K-7)  
T62 Rehabilitation Counselor Training (K-7)  
T63 AFROTC Supply (F-7)  
T65 Advisement Center; Sectioning Center (H-5)  
T66 Central Clinical Services (J-6)  
T67 Wildlife Research Laboratory (J-6)  
T68 Department of Psychology, Annex 1 (K-6)  
T69 Department of Psychology, Main Office (K-6)  
T70 Department of Psychology, Annex 2 (K-6)  
T71 Department of Psychology, Annex 3 (L-6)  
T72 Zoology (L-6)  
T73 Industrial Psychology, Annex 4 (L-7)  
T74 Department of Guidance (J-7)  
T75 Department of Special Education (J-7)  
T76 Physical Education (H-10)  
T77 Dean of Graduate School (H-10)
- J78 Division of Technical and Adult Education (H, I-10)  
J79 Sociology (J-9)  
T80 Small Business Institute (L-9)  
T84 Department of Recreation and Outdoor Education (D-8)  
T85 Civil Defense; Health Education and Safety (D-8)  
T86 Central Publications (D-8)  
T87 Area Psychological Service (C-8)  
T90 Rehabilitation Perception Research (L-7)  
T91 Department of English (J-9)  
T92 Latin American Institute (D-7)  
T93 Rehabilitation Institute Administrative Offices (K-7)  
T94 Botany and Zoology (J-6)  
T95 Nursery and Psychology (K-5)  
T96 American Board Examiners, Psychology (L-7)  
Health Service (D-7)  
T99 Central Research Shop (L-7)  
T100 Co-ordinator of Research (L-8)  
T101 Co-operative Wildlife Research (J-7)  
T102 Department of English (G-9)  
T103 Rehabilitation Institute (K-7)  
T104 Sociology (J-9)  
T105 Geography; Climatology Laboratory (J-5)  
T106 Cartographic Office; Mississippi Valley Investigation (J-5)  
T107 Geology (K-5)  
T108 Reading Center; Secondary Education (J-7)  
T109 Marketing (J-7)  
T110-T111 Mathematics (J-9)  
T113 Transportation Institute (D-8)  
T115 Film Production Units (L-7)  
T116 Asian Studies (M-8)  
T117 University Press (K-7)  
T119 Geology (K-6)  
T120 Plan "A" House (G-4)  
T121 Sociology (L-9)  
T124 Labor Institute (L-7)  
T125 Design (J-5)  
T126 Design (J, K-6)  
T128-T129 Design (J, K-6)  
T130 College of Education (J, K-7)  
T132 Photographic Service (D-7)  
T135 Faculty Club (G-4)  
T136 Department of English (G-9)  
T137 Department of Government (H-10)  
T138 Department of Health Education (L-8)  
T141 Educational Television Research (K-7)  
T142 Psychology (L-6)  
T144 Department of Higher Education (H-10)  
T145 School of Business (Dean) (I-9)  
T146 Management (K-9)  
T149 Design Shop A (K-6)  
T150 Design Shop B (J-6)  
T151 Design Shop C (J-6)  
T152 Design Shop D (K-6)  
T155 Dewey Editorship (M-8)  
T156 Department of Speech Correction (K-8)  
T157 General Improvements (B, C-7)  
T158 University Architect Construction Division (L-6)  
T159 Art Annex No. 1 (C-7)  
T161 Virology Research Laboratory (M-6)  
T162 Pine Hills Station; Economics Annex (L-6)  
T163 Janitorial Services (K-7)  
T167 Center for Study of Crime, Delinquency, and Corrections (K-9)  
T169 Instructional Materials Classroom (L-7)  
T171 Geography Annex 2 (M-7)  
T173 Geography Annex 1 (M-7)  
T175 Women's Physical Education Annex (C-7)  
T176 Botany Research (L-8)  
T182 Art Annex No. 2 (B-7)  
T185 Journalism Annex (K-7)  
T191 School of Technology (Dean) (L-7)  
T192 Typography Laboratory (K-7)  
T196 Department of English (I-9)

# 5 / Schedule of Classes

THE FOLLOWING material may be of value in interpreting the information appearing in the class schedule.

## LISTING OF COURSES

### *General Studies Courses*

Courses which students are to take to meet the general studies requirements are listed in the front of the Schedule of Classes. These courses are listed by the area which they satisfy and within the area by course number and section number.

### *Departmental Courses*

Departments in which courses are being offered are listed in alphabetical order. Courses within each department are listed in order by course number and section number. For a list of academic units and the departments within each, see page 39.

## COURSE NUMBERS AND HOURS

The column containing this information shows the number of the course first, followed by the number of hours of credit. Course numbers are three digit numbers. In some cases the three digits may be followed by a letter which is also part of the course number. The number appearing after the hyphen denotes the hours of credit for the course. In some cases there may be more than one number following the course number such as 599-2 to 5. This represents a variable-hour course in which the student decides the number of hours for which he is going to register in consultation with his adviser.

The course numbering system is as follows:

- 000-099 Course not properly falling in the following categories
- 100-199 For freshmen
- 200-299 For sophomores

- 300-399 For juniors and seniors  
 400-499 For seniors and graduate students  
 500-600 For graduate students only

### PREREQUISITE

The prerequisite column lists requirements which must be satisfied before a student registers for the course. These prerequisites may be listed in various ways. Usually they are other courses in the same department, indicated by a course number. A prerequisite in another department is indicated by the department's code letters and the course number.

The listing of prerequisites provides ready information for students. An effort has been made to have the listing be complete, but this is not guaranteed. For the official listing of course descriptions and prerequisites, consult the bulletin of the academic unit within which the department is located.

### SECTION NUMBER, TIME, AND DAYS

The times given indicate the beginning and ending of each class period. Central Daylight Time is used throughout the summer session. Students registering for courses listed as "to be arranged" may obtain times and days from instructor indicated or, if no instructor is listed, from the department chairman offering the course.

The letter *T* preceding a section number indicates that the section has been tentatively scheduled and will be opened for registration only if staff is available.

Those courses being offered on the quarter basis (June 17-August 31) are marked with a † immediately following the section number.

### BUILDING AND ROOM NUMBER

Buildings which house summer classrooms are listed below, in alphabetical order according to the code used in the Schedule of Classes. The building's name or description follows the colon. The numbers locate the building on the map of the Carbondale Campus which appears in Chapter Four. The list below does not include temporary buildings, which are identified in the schedule by the letter *T* followed by a number. Such buildings are listed in numerical order in Chapter Four.

If a building contains more than one classroom, then the number of the room follows the building's code name. A building code which contains a

number is separated from the room number by the letter R. (For example, "T32 R111" means room 111 in building T32.)

CODE: BUILDING NAME—NUMBER	MAP KEY	CODE: BUILDING NAME—NUMBER	MAP KEY
A: Allyn Building—3	G-6	LG: Little Grassy Lake	--
Ag: Agriculture Building—26	I-4	LS: Life Science Building—17	K-4
Alg: Altgeld Hall—2	I-7	M: Old Main—1	G-7
ApS: Applied Science Laboratory—57	B-7	Office: Office of the department	--
Aud: Shryock Auditorium—6	H-6	P: Parkinson Laboratory—4	G-6
BowlingA: Bowling Alley—46	G-6	Pool: University Swimming Pool—22	M-6
Browne: Browne Auditorium—9	H-6	RadS: Radio Studios—T 37	H-6
Gym: Gymnasium—7	F-7	TVS: Television Studios—42	F-8
HEc: Home Economics Building—42	F-8	Stadium: McAndrew Stadium—13	E-6
Lib: Morris Library—25	J-5	USch: University School—23	M-7
		Wh: Wheeler Hall—8	H-7

### DEPARTMENTAL LISTING BY ACADEMIC UNIT

ACADEMIC UNIT	DEPARTMENT	ACADEMIC UNIT	DEPARTMENT
Agriculture	Agricultural Industries	Home Economics	Clothing & Textiles
	Animal Industries		Food & Nutrition
	Forestry		Home & Family
	Plant Industries		Home Economics Education
Business	Accounting	Liberal Arts & Sciences	Anthropology
	Economics		Botany
	Management		Chemistry
	Marketing		English
	Secretarial & Business Education		Foreign Languages
			Geography
Communications	Journalism		Geology
	Printing & Photography		Government
	Radio-Television		History
	Speech		Mathematics
	Speech Correction		Microbiology
	Theater	Philosophy	
		Physics and Astronomy	
Education	Educational Administration & Supervision	Physiology	
	Elementary Education	Psychology	
	Guidance	Religion	
	Health Education	Sociology	
	Higher Education	Zoology	
	Instructional Materials		
	Physical Educ. for Men	Nursing	Nursing
	Physical Educ. for Women		
	Recreation & Outdoor Educ.	Technology	Applied Science
	Secondary Education		Industrial Education
	Special Education		
Fine Arts	Art	Vocational-Technical Institute	Vocational-Technical Institute
	Music		

Title	Course No. & Hours	Prerequisite	Section No.	Time	Days	Bldg. & Room No.	Instructor
<b>GENERAL STUDIES AREA A—MAN'S PHYSICAL ENVIRONMENT AND BIOLOGICAL INHERITANCE (GSA)</b>							
Energy and Particles I—Physics	101-3		1 †	10:00-10:50	M W F	Browne	Staff
			2 †	1:00-1:50	M W F	Browne	Staff
Energy and Particles II	102-3	101	1 †	9:00-9:50	M W F	Browne	Mr Brown
			T2 †	2:00-2:50	M W F	Browne	Mr Hall
Energy and Particles III—Chemistry	103-3	102	1 †	11:00-11:50	M W F	Browne	Mr Brown
Geology	200-3		1 †	8:00-8:50	M W F	Ag 214	Mr Bell
Man's Biological Inheritance (Students taking 201 must also register for 201A.) Laboratory	201-3 201A-0		1 †	8:00-8:50	M W	LS 133	Staff
			1 †	8:00-9:50	Tu	LS 132	Staff
			2 †	10:00-11:50	Tu	LS 132	Staff
			3 †	1:00-2:50	Tu	LS 132	Staff
			4 †	3:00-4:50	Tu	LS 132	Staff
			T5 †	8:00-9:50	Th	LS 132	Staff
			T6 †	10:00-11:50	W	LS 132	Staff
			T7 †	1:00-2:50	W	LS 132	Staff
			T8 †	3:00-4:50	W	LS 132	Staff
Man's Biological Inheritance	202-3	201	1 †	10:00-10:50	Tu Th	LS 205	Staff
Man's Biological Inheritance	203-3	202	1 †	10:00-11:50	F	LS 308	Staff
				1:00-1:50	Tu Th	LS 205	Staff
				1:00-2:50	F	LS 132	Staff
Ecology	340-3	203	1	10:20-11:35	M F	LS 313	Mr Ashby
				(Plus Sat. sessions to be arranged)			
				† Full quarter course			
<b>GENERAL STUDIES AREA B—MAN'S SOCIAL INHERITANCE AND SOCIAL RESPONSIBILITIES (GSB)</b>							
Man and Culture in Time and Space I	101-3		1 †	10:00-10:50	Tu Th	Browne	Mr Silverman
			2 †	2:00-2:50	Tu Th	Browne	Mr Silverman
			T3 †	9:00-9:50	Tu Th	Browne	Mr Silverman
(Students taking 101 must also register for 101A.) Discussion Section (Discussion sections 1-8 are for students	101A-0		1 †	9:00-9:50	W	M 207	Staff
			2 †	9:00-9:50	W	M 210	Staff

in section 1 of 101; 9-16 for section 2;  
 17-24 for section 3.)

3	†	3:00-3:50	W	M 105	Staff
4	†	3:00-3:50	W	M 207	Staff
5	†	8:00-8:50	Th	M 207	Staff
6	†	3:00-3:50	Th	M 301	Staff
7	†	12:00-12:50	Th	M 207	Staff
8	†	9:00-9:50	Th	M 209	Staff
9	†	8:00-8:50	F	M 105	Staff
10	†	8:00-8:50	F	M 107	Staff
11	†	12:00-12:50	F	M 207	Staff
12	†	12:00-12:50	F	M 209	Staff
13	†	9:00-9:50	F	M 107	Staff
14	†	8:00-8:50	Th	M 301	Staff
15	†	9:00-9:50	Th	M 301	Staff
16	†	3:00-3:50	Th	M 302	Staff
T17	†	12:00-12:50	Th	M 301	Staff
T18	†	12:00-12:50	M	M 207	Staff
T19	†	3:00-3:50	Th	M 209	Staff
T20	†	3:00-3:50	Th	M 207	Staff
T21	†	3:00-3:50	Th	M 302	Staff
T22	†	8:00-8:50	M	M 105	Staff
T23	†	3:00-3:50	F	M 207	Staff
T24	†	3:00-3:50	M	M 206	Staff
1	†	8:00-8:50	Tu ThF	LS 133	Mr Harper

Man and Culture in Time and Space III

103-3

Culture, Behavior, and Society

201-3

Culture, Behavior, and Society

202-3

1	†	11:00-11:50	MTu Th	HEc 303	Mr Dark
T2	†	12:00-12:50	MTu Th	HEc 203	Staff
1	†	12:00-12:50	M W	Browne	Mr Carrier
2	†	1:00-1:50	M W	HEc 202	Staff
2	†	12:00-12:50	M W	Browne	Mr Carrier
3	†	2:00-2:50	M W	HEc 106	Staff
3	†	12:00-12:50	M W	Browne	Mr Carrier
4	†	8:00-8:50	Th	Ag 146	Staff
4	†	12:00-12:50	M W	Browne	Mr Carrier
5	†	9:00-9:50	Th	Ag 146	Staff
5	†	12:00-12:50	M W	Browne	Mr Carrier
6	†	11:00-11:50	Th	Ag 146	Staff
6	†	12:00-12:50	M W	Browne	Mr Carrier
7	†	1:00-1:50	Th	M 105	Staff
7	†	12:00-12:50	M W	Browne	Mr Carrier
	†	8:00-8:50	F	Ag 216	Staff



Title	Course No. & Hours	Prerequisite	Section No.	Time	Days	Bldg. & Room No.	Instructor
<b>GENERAL STUDIES AREA B—MAN'S SOCIAL INHERITANCE AND SOCIAL RESPONSIBILITIES (GSB) (Continued)</b>							
Culture, Behavior, and Society	202-3		8	12:00-12:50 9:00-9:50	M W	Browne Ag 216	Mr Carrier Staff
			T9	12:00-12:50	M W	Browne	Mr Carrier
			T10	11:00-11:50 12:00-12:50 1:00-1:50	M W	HEc 201 Browne HEc 201	Mr Carrier
Culture, Behavior, and Society	203-3		1	8:00-8:50	M W F	M 305A	Staff
			2	10:00-10:50	Tu ThF	M 306A	Staff
			3	11:00-11:50	M W F	M 306A	Staff
			T4	8:00-8:50	MTuW	HEc 202	Staff
			T5	10:00-10:50	Tu ThF	M 310	Staff
			T6	1:00-1:50	M W F	M 102	Staff
Political Economy I	211-3		1	11:00-11:50	M W F	M 310	Mr Wells
			T2	2:00-2:50	M W F	M 102	Mr Martinek
Political Economy II	212-3		1	8:00-8:50	M W F	M 307	Staff
			2	10:00-10:50	M W F	HEc 303	Staff
			3	1:00-1:50	M W F	HEc 303	Staff
			4	2:00-2:50	M W F	HEc 303	Staff
			T5	11:00-11:50	M W F	HEc 118	Staff
			T6	12:00-12:50	M W F	HEc 303	Staff
Political Economy III	213-3	211 and 212	1	12:00-12:50	M W F	HEc 118	Mr Ellis
† Full quarter course							
<b>GENERAL STUDIES AREA C—MAN'S INSIGHTS AND APPRECIATIONS (GSC)</b>							
Introduction to Music	100-3		1	1:00-1:50	M W F	Alg 115	Mr Mueller
Changing Visual Images of Man (Students taking 101 must also register for 101A.) Studio Section	101-3 101A-0		1	11:00-11:50	Tu Th	Browne	Mr Stewart
			1	2:00-3:50	Tu	A 102	Staff
			2	2:00-3:50	A 102	A 102	Staff
			3	2:00-3:50	F	A 102	Staff
			4	3:00-4:50	Tu	A 112	Staff
			5	3:00-4:50	Th	A 112	Staff
			6	3:00-4:50	F	A 112	Staff
			7	2:00-3:50	Tu	A 115	Staff

Problems of Moral Decision (Students taking 102 must also register for 102A.) Discussion Sections (Discussion sections 1-8 are for students in section 1 of 102; 9-12 for section 2.)	102-3	8	†	3:00-4:50	Th	A 115	Staff		
	102A-0	9	†	2:00-3:50	F	A 115	Staff		
		1	†	1:00-1:50	Tu Th	Browne	Mr. McClure		
		2	†	9:00-9:50	Tu Th	LS 133	Mr. Yezi		
		1	†	2:00-2:50	W	HEc 102	Staff		
		2	†	3:00-3:50	W	HEc 102	Staff		
		3	†	8:00-8:50	Th	HEc 104	Staff		
		4	†	9:00-9:50	Th	HEc 104	Staff		
		5	†	1:00-1:50	Th	HEc 303	Staff		
		6	†	2:00-2:50	Th	HEc 303	Staff		
		7	†	8:00-8:50	F	HEc 202	Staff		
		8	†	9:00-9:50	F	HEc 202	Staff		
Masterpieces of Literature	103-3	9	†	1:00-1:50	Th	M 102	Staff		
		10	†	2:00-2:50	Th	M 102	Staff		
		11	†	8:00-8:50	F	HEc 303	Staff		
		12	†	9:00-9:50	F	HEc 206	Staff		
		1	†	2:00-2:50	M W F	M 301	Mr. Cassidy		
		Introduction to Drama	201-3	1	†	11:00-11:50	M	M 301	Staff
				2	†	3:00-3:50	M W F	HEc 303	Staff
				T3	†	8:00-8:50	M W F	M 305	Staff
				T4	†	9:00-9:50	M W F	HEc 303	Staff
				1	†	12:00-12:50	M W F	M 301	Staff
				2	†	1:00-1:50	M W F	M 301	Staff
				T3	†	10:00-10:50	M W F	M 305	Staff
T4	†			1:00-1:50	M W F	M 207	Staff		
1	†			8:00-8:50	M W F	M 304	Mr. Moore and Mr. McClure		
Meaning and Rational Process	208-3			1	†	8:00-8:50	M	M 302	Staff
				2	†	9:00-9:50	M W F	M 302	Staff
				3	†	10:00-10:50	M W F	M 301	Staff
		4	†	1:00-1:50	M W F	M 302	Staff		
		5	†	2:00-2:50	M W F	M 302	Staff		
		T6	†	11:00-11:50	M W F	M 302	Staff		
		T7	†	12:00-12:50	M W F	M 305	Staff		
		T8	†	3:00-3:50	M W F	M 305	Staff		
		T9	†	4:00-4:50	M W F	HEc 102	Staff		
		1	†	9:00-9:50	M W F	M 301	Staff		
		2	†	3:00-3:50	M W F	Gym 204	Staff		
		3	†	4:00-4:50	M W F	HEc 104	Staff		
4	†	8:00-8:50	M W F	M 301	Staff				
Modern Literature: Form and Idea	209-3	1	†	8:00-8:50	M	M 302	Staff		
		2	†	9:00-9:50	M W F	M 302	Staff		
		3	†	10:00-10:50	M W F	M 301	Staff		
		4	†	1:00-1:50	M W F	M 302	Staff		
		5	†	2:00-2:50	M W F	M 302	Staff		
		T6	†	11:00-11:50	M W F	M 302	Staff		
		T7	†	12:00-12:50	M W F	M 305	Staff		
		T8	†	3:00-3:50	M W F	M 305	Staff		
		T9	†	4:00-4:50	M W F	HEc 102	Staff		
		1	†	9:00-9:50	M W F	M 301	Staff		
		2	†	3:00-3:50	M W F	Gym 204	Staff		
		3	†	4:00-4:50	M W F	HEc 104	Staff		
4	†	8:00-8:50	M W F	M 301	Staff				
Introduction to Fiction	210-3	1	†	8:00-8:50	M	M 302	Staff		
		2	†	9:00-9:50	M W F	M 302	Staff		
		3	†	10:00-10:50	M W F	M 301	Staff		
		4	†	1:00-1:50	M W F	M 302	Staff		
		5	†	2:00-2:50	M W F	M 302	Staff		
		T6	†	11:00-11:50	M W F	M 302	Staff		
		T7	†	12:00-12:50	M W F	M 305	Staff		
		T8	†	3:00-3:50	M W F	M 305	Staff		
		T9	†	4:00-4:50	M W F	HEc 102	Staff		
		1	†	9:00-9:50	M W F	M 301	Staff		
		2	†	3:00-3:50	M W F	Gym 204	Staff		
		3	†	4:00-4:50	M W F	HEc 104	Staff		
4	†	8:00-8:50	M W F	M 301	Staff				

Title	Course No. & Hours	Section No.	Prerequisite	Time	Days	Bldg. & Room No.	Instructor
<b>GENERAL STUDIES AREA C—MAN'S INSIGHTS AND APPRECIATIONS (GSC) (Continued)</b>							
Introduction to Fiction	210-3	T5 T6		9:00-9:50 2:00-2:50	M W F M W F	M 305 M 305	Staff Staff
				† Full quarter course			
<b>GENERAL STUDIES AREA D—ORGANIZATION AND COMMUNICATION OF IDEAS (GSD)</b>							
English Composition	101-3	1 T2		10:00-10:50 11:00-11:50	M W F M W F	M 302 M 305	Staff Staff
English Composition	102-3	1 T2		12:00-12:50 1:00-1:50	M W F M W F	M 302 M 305	Staff Staff
Principles of Oral Communication (Students taking 103 must also register for 103A.)	103-3	1 2 3 4 5 6 T7 T8 T9 T10		12:00-12:50 9:00-9:50 1:00-1:50 2:00-2:50 10:00-10:50 11:00-11:50 12:00-12:50 1:00-1:50 2:00-2:50 8:00-8:50	Tu ThF MTu Th M W F Tu ThF Tu ThF MTu Th Tu ThF MTu Th M W F Tu ThF	T38 R102 A 211 T38 R102 T38 R102 A 211 T38 R102 T38 R103 A 211 A 211 A 211	Mr Kleinau Staff Mr Garbutt Mr Kleinau Mr Garbutt Mr Workun Staff Mr McClerren Mr Workun Mr Talley
(Lecture Section) Fundamentals of Mathematics I	103A-0 108-3	1 1 T2	Math 106 or HS	10:00-10:50 9:00-9:50 11:00-11:50	M WTh Tu Th Tu ThF	LS 133 M 314 M 314	Staff Staff Staff
Fundamentals of Mathematics II	109-3	3 1	108	11:00-11:50 1:00-1:50	F Tu ThF	M 105 M 311	Staff Staff
Fundamentals of Mathematics III Fundamentals of Mathematics III (Elementary Statistics)	110-3 110B-3	1 1	109 or 115 109 or 115	10:00-10:50 11:00-11:50	M Tu Th	M 107 M 314	Staff Staff
College Algebra I	114-3	1 T2 3	Open only to School of Business students and economics majors Math 106 or HS	8:00-8:50 3:00-3:50 3:00-3:50	M W F M W F M W F	HEc 201 M 309 M 311 HEc 118	Mr Martinsek Staff Staff Staff

College Algebra II	115-3	114 or 109	1	†	10:00-10:50	M	W	F	M	314	Staff
Trigonometry	116-3	114	1	†	3:00-3:50	HEc	Tu	Th	HEc	303	Staff
Elementary French	125-3	124	1	†	3:00-3:50	HEc	W	F	HEc	202	Staff
Elementary German	126-3	127	1	†	9:00-9:50	M	W	F	Wh	207	Miss Foley
Elementary Spanish	142-3	141	1	†	8:00-8:50	M	W	F	Wh	212	Mrs VonPaleske
				†	12:00-12:50	M	W	F	Wh	212	Mr Ulner

† Full quarter course

### GENERAL STUDIES AREA E—HEALTH AND PHYSICAL DEVELOPMENT (GSE)

Beginning Swimming	101M-1		1	†	10:00-11:50	M	W	F	Pool		Mr Zauner
			2	†	11:00-12:50	M	W	F	Pool		Mr Zauner
Softball	115M-1		1	†	8:00-9:50	Tu	W	Th	Gym	207	Mr Iubelt
			2	†	9:00-10:50	Tu	W	Th	Gym	207	Mr Iubelt
			3	†	10:00-11:50	Tu	W	Th	Gym	207	Mr Martin
			4	†	11:00-12:50	Tu	W	Th	Gym	207	Mr Martin
			5	†	12:00-1:50	Tu	W	Th	Gym	207	Mr Martin
Badminton	117M-1		1	†	8:00-9:50	MTu	W		Gym	207	Mr Meade
			2	†	9:00-10:50	MTu	W		Gym	207	Mr Meade
			3 <sup>1</sup>	†	10:00-11:50	MTu	W	Th	Gym	207	Mr Piccone
			1 <sup>1</sup>	†	8:00-9:50	MTu	W	Th	Bowling	A	Mr Piccone
			2 <sup>1</sup>	†	9:00-10:50	MTu	W	Th	Bowling	A	Mr Piccone
Beginning Bowling	126M-1		3	†	10:00-11:50	MTu	W		Bowling	A	Mr Meade
(Fee Required—\$8.00)			4	†	11:00-12:50	Tu	W	Th	Bowling	A	Mr Meade
			5	†	12:00-1:50	Tu	W	Th	Bowling	A	Mr Hartzog
Tennis	128M-1		1	†	8:00-9:50	MTu	Th		Gym	207	Mr Hartzog
			2	†	9:00-10:50	MTu	Th		Gym	207	Mr LeFevre
			3	†	10:00-11:50	Tu	W	Th	Gym	207	Mr LeFevre
			4 <sup>1</sup>	†	11:00-12:50	MTu	W	Th	Gym	207	Mr Hartzog
Golf	136M-1		1	†	8:00-9:50	MTu	W		Gym	207	Mr Spackman
			2	†	9:00-10:50	MTu	W		Gym	207	Mr Holder
			3	†	10:00-11:50	MTu	W		Gym	207	Mr Holder
			4	†	11:00-12:50	Tu	W	Th	Gym	207	Mr Hartman
			5	†	12:00-1:50	Tu	W	Th	Gym	207	Mr Hartman
Beginning Swimming	101W-1		1	†	8:00-8:50	M	W	F	Pool		Miss West
			2	†	9:00-9:50	M	W	F	Pool		Miss West
			3	†	1:00-1:50	M	W	F	Pool		Miss West

Title	Course No. & Hours	Section No.	Prerequisite	Time	Days	Bldg. & Room No.	Instructor
<b>GENERAL STUDIES AREA E—HEALTH AND PHYSICAL DEVELOPMENT (GSE) (Continued)</b>							
Beginning Contemporary Dance	102W-1	1		† 10:00-10:50	M W F	Gym 208	Miss Stehr
		2		† 10:00-11:30	Tu Th	Gym 208	Miss West
Intermediate Swimming	111W-1	1	Passed swim test	† 8:00-8:50	M W F	Pool	Staff
		2		† 9:00-9:50	M W F	Pool	Staff
Beginning Golf	119W-1	1		† 8:00-9:30	Tu Th	Gym 208	Miss West
		2		† 11:00-11:50	M W F	Gym 114	Miss West
		3		† 11:00-12:30	Tu Th	Gym 114	Miss Stehr
		4		† 12:00-12:50	M W F	Gym 208	Miss Stehr
Tennis	128W-1	1		† 8:00-9:30	Tu Th	Gym 114	Staff
		2		† 10:00-11:30	Tu Th	Gym 114	Staff
		3		† 11:00-12:30	M W	Gym 208	Staff
		4		† 1:00-2:30	Tu Th	Gym 208	Staff
Healthful Living	201-3	1		† 8:00-8:50	TuWTh	M 105	Staff
		2		† 9:00-9:50	MTuW	M 105	Mr Richardson
		3		† 10:00-10:50	MTuW	M 105	Miss Denny
		4		† 11:00-11:50	MTuW	M 105	Mr Casey
		5		† 12:00-12:50	M WTh	M 105	Mr Casey
		6		† 1:00-1:50	MTuW	M 105	Mrs Harris
		7		† 2:00-2:50	TuWTh	M 105	Mr Wiechmann
		8		† 3:00-3:50	MTu Th	M 105	Mr Wiechmann
		9		† 8:00-8:50	MTuW	M 107	Mr Shay
		10		† 9:00-9:50	M WTh	M 107	Mr Shay
		11		† 10:00-10:50	TuWTh	M 107	Mr Wigley
		12		† 11:00-11:50	Tu ThF	M 107	Mr Wigley
		13		† 8:00-8:50	M WTh	LG	Mr Wigley
		T14		† 1:00-1:50	TuWTh	M 203	Mr Wigley
				†	Full quarter course		
Accounting Fundamentals	250-4	1		† 10:00-10:50	MTu ThF	T32 R111	Mr Favrot
Elementary Accounting I	251-4	1		† 9:00-9:50	MTu ThF	T32 R111	Mr Schmidlein
Elementary Accounting II	252-4	1	251	† 11:00-11:50	MTu ThF	T32 R111	Mr Schmidlein

<sup>1</sup> First seven weeks only.

### ACCOUNTING (ACCT)

Accounting Fundamentals  
Elementary Accounting I  
Elementary Accounting II



Elementary Accounting III	253-4	252	1	†	8:00-8:50	MTu ThF	T32 R111	Mr Schmidlein
Individual Income Tax	309-2	non-majors only	1		1:10-2:25	Tu Th	HEc	Mr Swick
Tax Accounting	331-5	253	1		8:55-10:10	MTuWThF	T32 R110	Mr Swick
Governmental Accounting	355-3	253	1		7:30-8:45	M W F	T32 R110	Mr Favrot
Auditing	356-5	352, 341	1		10:20-11:35	MTuWThF	T32 R110	Miss Barron
Internship in Accounting	459-4	*	1		To be arranged		T32 R118	Mr Swick
Readings in Accounting	500-2 to 5		1		To be arranged		T32 R118	Mr Swick
Individual Research in Accounting Thesis	501-2 to 5 599-2 to 9		1		To be arranged		T32 R118 T32 R105	Mr Swick Mr Schmidlein

\* Consent of department † Full quarter course

## AGRICULTURAL INDUSTRIES (AG I)

Introduction to Agricultural Economics	114-4		1	†	9:00-9:50 8:00-9:50	MTuW F	Ag 225 Ag 225	Mr Benton Mr Benton
Soil and Water Conservation General Agriculture	306A-3 <sup>1</sup> 310-4	P1. I. 103 or 301	1		8:55-10:10 7:30-8:45	M W F MTuW	Ag 168 Ag 225	Mr Caster Mr Wood
Farm Power and Machinery	373-5		1		7:30-10:10 10:20-11:35	M W F Tu Th	Ag 225 T29 T29	Mr Wood Mr Paterson Mr Paterson
Special Studies in Agricultural Industries	390-1 to 6		1		To be arranged			Staff
Agricultural Prices (June 17-July 12)	452-4		1		10:20-1:00	MTuWThF	Ag 225	Mr Haag
Readings Research Seminar (June 17-July 12) Thesis	520-1 to 6 575-1 to 6 581-1 599-1 to 9		1		To be arranged To be arranged 7:30-10:10 To be arranged	Th	Ag 218	Staff Staff Mr Wills Staff

<sup>1</sup> Cross-listed with Plant Industries † Full quarter course

Title	Course No. & Hours	Prerequisite	Section No.	Time	Days	Bldg. & Room No.	Instructor
<b>ANIMAL INDUSTRIES (ANI)</b>							
Animal Husbandry	105-4		1 †	8:00-8:50 8:00-9:50	MTuW Th	Ag 146 Ag 120	Mr Miller Mr Miller
Horses	319-2	315 or *	1	8:55-10:10	Tu Th	Ag 116	Mr Kammlade
Special Studies in Animal Industries	390-1 to 3		1	To be arranged			Staff
Commercial Poultry Production (July 15-August 8)	420-4	125	1	7:30-10:10 7:30-1:00	TuW F Th	Ag 132 Ag 132	Mr Hinners Mr Hinners
Quantitative Inheritance of Farm Animals (June 17-July 12)	432-3	332	1	7:30-10:10	M W F	Ag 120	Mr Goodman
Readings in Animal Industries	520-1 to 6		1	To be arranged			Staff
Individual Research	575-1 to 6		1	To be arranged			Staff
Thesis	599-1 to 9		1	To be arranged			Staff
		* Consent of instructor		† Full quarter course			
<b>ANTHROPOLOGY (ANTH)</b>							
Man and Culture (National Science Foundation)	400-4		1	4:00-5:15	MTuWTh	HEc 306	Mr Grace
Research in Anthropology	483-3 to 6	*	1	To be arranged		HEc 4	Staff
Readings in Anthropology	485-3 to 6	*	1	To be arranged		HEc 4	Staff
Fieldwork in Anthropology	497-3 to 9	*	1	To be arranged		HEc 4	Staff
Advanced Problems in Archaeology	582-3 to 9	*	1	To be arranged		HEc 4	Staff
Advanced Problems in Cultural Anthropology	584-3 to 9	*	1	To be arranged		HEc 4	Staff
Advanced Reading in Anthropology	585-3 to 9	*	1	To be arranged		HEc 4	Staff
Graduate Fieldwork in Anthropology	597-3 to 9	*	1	To be arranged		HEc 4	Staff
Thesis	599-3 to 9		1	To be arranged		HEc 4	Staff
Dissertation	600-3 to 16		1	To be arranged		HEc 4	Staff
		* Consent of instructor					

## APPLIED SCIENCE (AP S)

Engineering Drawing I	101-3	1	†	8:00-9:50	M	W	F	T26	R114	Mr Klopp
Descriptive Geometry	206-4	1	†	8:00-9:50	MTuW	W	F	T26	R114	Mr Klopp
Analytical Mechanics (Statics)	260-3	1	†	8:00-8:50	M	W	F	T26	R110	Mr Moeller
Surveying I	263-4	1	†	9:00-9:50	Tu	Th		ApS		Mr Moeller
		1	†	2:00-4:50	Tu	Th		ApS		Mr Moeller
Surveying II	264-4	1	†	9:00-9:50	Tu	Th		ApS		Mr Moeller
		1	†	2:00-4:50	Tu	Th		ApS		Mr Moeller
Applied Mechanics I	306-3	1		8:55-11:35	M	W	F	T26	R110	Mr Dunning
Applied Mechanics II	310-3	1		8:55-11:35	M	W	F	T26	R110	Mr Dunning
			†	Full quarter course						
<b>ART (ART)</b>										
Studio Disciplines	200-5	1	†	8:00-9:50	MTuW	W	F	A	112	Mr Bernstein
The Figure	245-4	1	†	8:00-9:50	MTuW	W	F	A	202	Mr Fink
Oil Painting	250-4	1	†	8:00-9:50	MTuW	W	F	A	202	Mr Fink
Art Education	300-4	1		8:55-10:10	M	W	F	A	106	Mrs Hall
Oriental Art	309-3	1		8:55-10:10	M	W	F	A	102	Mr Watkins
Advanced Painting	320-4	1		7:30-10:10	MTuW	W	F	A	202	Mr Fink
Studio	325-4	1		7:30-10:10	MTuW	W	F	A	202	Mr Fink
Jewelry and Silversmithing	332-4 to 12	1		1:00-2:50	M	W	F	A	11	Mr Kington
Art of the Nineteenth Century	345-3	1		10:20-11:35	M	W	F	A	102	Mr Watkins
Studio in Sculpture	405-8	1		To be arranged						Mr Sullivan
Studio in Painting	406-4	1		7:30-10:10	MTuW	W	F	A	202	Mr Fink
Art Education for Elementary Teachers II	408-4	1		To be arranged						Mrs Hall
Drawing Workshop	T-441-8	T1		To be arranged						Mr Harris
Art of the Twentieth Century	444-3	1		1:10-2:25	M	W	F	A	102	Mr Werner
Research in Art Education	460-4	1		9:00-10:00	MTuW	W	F	A	115	Mr Stewart
Studio in Art Education	466-4	1		To be arranged						Miss Schwartz

Title	Course No. & Hours	Prerequisite	Section No.	Time	Days	Bldg. & Room No.	Instructor
<b>ART (ART) (Continued)</b>							
Seminar in Painting	501-2		1	To be arranged			Mr Fink
Research in Painting	506-4		1	To be arranged			Mr Fink
Seminar in Art Education	560-4		1	To be arranged			Miss Schwartz
Research in Art Education	566-4		1	To be arranged			Mr Stewart
Research in Metal Construction	536-2 to 12		1	To be arranged			Mr Kington
Thesis	599-5 to 9		1	To be arranged			Mr Harris, Miss Schwartz, Mr Stewart, Mr Fink
				† Full quarter course			
<b>ASIAN STUDIES</b>							
Students interested in a minor in Asian studies should consult Mr. H. B. Jacobini, Chairman, Committee on Asian Studies. His office is at 800 S. University. Specific Courses in Anthropology, Art, GSD (Chinese Language), Economics, Geography, Government, History, and Philosophy which can be counted toward such a minor are listed in a special pamphlet issued by the Committee on Asian Studies.							
<b>ASTRONOMY (ASTR)</b>							
Introduction to Astronomy	201-4		1	† 11:00-11:50	M WThF	P 308	Miss Zimmerschied
				† Full quarter course			
<b>BOTANY (BOT)</b>							
Morphology of the Non-Vascular Plants	300-3	GSA 203 or Bot 101	1	8:55-10:10	M F	LS 323	Miss Kaaiser
Natural History of Local Plants	313-3		1	7:30-10:10	W	LS 308	Miss Kaaiser
Elements of Plant Physiology	320-5	202	1	8:55-10:10	W	LS 323	Mr Marberry
Plants in Relation to Man	350-4		1	7:30-10:10	M F	LS 307	Mr Marberry
				7:30-8:45	M W F	LS 323	Mr Schmid
				7:30-10:10	Tu Th	LS 311	Staff
				10:20-11:35	MTu ThF	LS 323	Mr Welch

Readings in Botany									Staff
Special Problems in Botany	390-2 to 5 391-2 to 5					To be arranged To be arranged			Staff
Advanced Plant Physiology I	425-5	320				1:10-2:25 11:45-2:25 11:45-3:50 2:35-3:50 1:10-3:50	MTu Th W Tu Th M W F Tu Th	LS 323 LS 311 LS 313 Mr Mohlenbrock LS 323 LS 315	Mr Schmid Mr Schmid Mr Mohlenbrock Mr Pappelis Mr Pappelis
Plant Biology for High School Teachers (NSF)	501-4		NSF Students only			2:35-3:50 1:10-3:50 1:10-2:25	M W Tu Th W F	LS 307 LS 307 LS G16	Mr Welch Mr Welch Mr Mohlenbrock
Recent Developments in Biological Sciences (NSF)	502-2								
Advanced Field Taxonomy (NSF)	505-4		NSF Students only			8:55-11:35 (Plus Saturday sessions to be arranged)	Tu Th	LS 307	Staff
Readings	570-2 to 5					To be arranged			Staff
Introduction to Research	590-2 to 4					To be arranged			Staff
Research	591-3 to 6					To be arranged			Staff
Thesis	599-3 to 9					To be arranged			Staff
Dissertation	600-3 to 20					To be arranged			Staff

## CENTRAL EUROPEAN STUDIES

Students interested in a minor in central European studies should consult Mr. E. K. Kamarasy, Department of Government, academic adviser for the program.

## CHEMISTRY (CHEM)

General Chemistry

	101-4									
		1	†	8:55-10:10	M W	P 111			Mr Neckers	
		2	†	7:30-10:10	Tu Th	P 200			Staff	
		3	†	8:55-10:10	M W	P 111			Mr Neckers	
				7:30-10:10	Tu Th	P 213			Staff	
				8:00-8:50	Tu ThF	Browne			Mr Morreal	
				8:00-8:50	W	P 204			Mr Morreal	
				8:00-10:50	M	P 200			Staff	



Title	Course No. & Hours	Prerequisite	Section No.	Time	Days	Bldg. & Room No.	Instructor
<b>CHEMISTRY (CHEM) (Continued)</b>							
General Chemistry	101-4		4	8:00-8:50	Tu ThF	Browne P 204	Mr Morreal
				8:00-8:50	W	P 213	Mr Morreal Staff
			5	8:00-10:50	M		
				8:00-8:50	Tu ThF	Browne P 204	Mr Morreal
				8:00-8:50	W	P 206	Mr Morreal Staff
			T6	8:00-10:50	M		
				8:00-8:50	Tu ThF	Browne P 204	Mr Morreal
				8:00-8:50	W	P 206	Mr Morreal Staff
			T7	8:00-8:50	Tu ThF	Browne P 204	Mr Morreal
				8:00-8:50	M		
				8:00-10:50	Tu ThF	Browne P 107	Mr Morreal Staff
			T8	8:00-8:50	Tu ThF	Browne P 204	Mr Morreal
				8:00-8:50	M	P 213	Mr Morreal Staff
				8:00-10:50	W		
			1	11:00-11:50	Tu Th	P 204	Mr Van Lente
				12:00-12:50	Tu	P 204	Mr Van Lente
				11:00-12:50	M W F	P 200	Mr Van Lente
			2	2:00-2:50	Tu Th	P 204	Mr Van Lente
				1:00-1:50	Th	P 204	Mr Van Lente
				1:00-2:50	M W F	P 213	Mr Van Lente
Qualitative Analysis	221-3	113	1	8:00-8:50	Tu F	P 204	Mr Joesten
				8:00-10:50	W	P 200	Mr Joesten
				10:00-10:50	M W F	P 204	Mr Van Atta
				8:00-10:50	Tu Th	P 103	Staff
Biological Chemistry	350-4	240	1	11:45-1:00	M W F	P 111	Mr Hadley
				11:45-3:50	Tu	P 115	Staff
			T1	8:55-10:10	Tu Th	P 111	Staff
				7:30-11:35	M W	P 104B	Staff
			1	7:30-8:45	Tu Th	P 111	Mr Hadley
				7:30-11:35	M W	P 115	Mr Hadley
				11:45-1:00	M W F	P 204	Mr Ruch
				11:45-3:50	Tu Th	P 103	Mr Ruch
			1	To be arranged		P 112	Staff
Inorganic Chemistry and Qualitative Analysis	113-5	112					
Qualitative Analysis	221-3	113	1	8:00-8:50	Tu F	P 204	Mr Joesten
General Quantitative Analysis	235-5	113 plus logarithms	1	8:00-10:50	W	P 200	Mr Joesten
				10:00-10:50	M W F	P 204	Mr Van Atta
				8:00-10:50	Tu Th	P 103	Staff
Biological Chemistry	350-4	240	1	11:45-1:00	M W F	P 111	Mr Hadley
				11:45-3:50	Tu	P 115	Staff
Instrumental Techniques	432-4	235 or 331 and 306 or 343	T1	8:55-10:10	Tu Th	P 111	Staff
				7:30-11:35	M W	P 104B	Staff
Qualitative Organic Analysis	446-4	343	1	7:30-8:45	Tu Th	P 111	Mr Hadley
				7:30-11:35	M W	P 115	Mr Hadley
Theoretical Chemistry	460-5	235 or 331 and 306 or 343	1	11:45-1:00	M W F	P 204	Mr Ruch
				11:45-3:50	Tu Th	P 103	Mr Ruch
Chemical Problems, Analytical	496A-2 to 6	*	1	To be arranged		P 112	Staff

Chemical Problems, Biochemistry	496B-2 to 6	*	1	To be arranged	P 112	Staff
Chemical Problems, Inorganic	496C-2 to 6	*	1	To be arranged	P 112	Staff
Chemical Problems, Organic	496D-2 to 6	*	1	To be arranged	P 112	Staff
Chemical Problems, Physical	496E-2 to 6	*	1	To be arranged	P 112	Staff
Advanced Laboratory Preparations in Organic Chemistry	547-3 to 6	446 and *	T1	To be arranged	P 112	Staff
Advanced Topics in Organic Chemistry	549-3 to 6	543	T1	To be arranged	P 112	Staff
Special Readings in Analytical Chemistry	594A-3	*	T1	To be arranged	P 112	Staff
Advanced Chemical Problems, Analytical	596A-3 to 6	*	1	To be arranged	P 112	Staff
Advanced Chemical Problems, Biochemistry	596B-3 to 6	*	1	To be arranged	P 112	Staff
Advanced Chemical Problems, Inorganic	596C-3 to 6	*	1	To be arranged	P 112	Staff
Advanced Chemical Problems, Organic	596D-3 to 6	*	1	To be arranged	P 112	Staff
Advanced Chemical Problems, Physical	596E-3 to 6	*	1	To be arranged	P 112	Staff
Research and Thesis, Analytical	597A-1 to 9	*	1	To be arranged	P 112	Staff
Research and Thesis, Biochemistry	597B-1 to 9	*	1	To be arranged	P 112	Staff
Research and Thesis, Inorganic	597C-1 to 9	*	1	To be arranged	P 112	Staff
Research and Thesis, Organic	597D-1 to 9	*	1	To be arranged	P 112	Staff
Research and Thesis, Physical	598E-1 to 9	*	1	To be arranged	P 112	Staff
Doctoral Research-Analytical	598A-1 to 9	*	1	To be arranged	P 112	Staff
Doctoral Research-Physical	598E-1 to 9	*	1	To be arranged	P 112	Staff
Doctoral Thesis-Analytical	600A-1 to 16	*	1	To be arranged	P 112	Staff

† Full quarter course  
 †† Open only to seniors graduating in August, 1963

\* Consent of department

### CLOTHING AND TEXTILES (C & T)

Textiles	135-3		1	† 11:00-12:50	M W	HEc 301	Miss Padgett
Tailoring and Clothing Construction	360-4	233 or *	1	7:30-10:10	MTuWTh	HEc 310	Miss Whitesel
Field Experience	371-6		1	To be arranged			Miss Whitesel
Advanced Pattern Making	433-4	360	1	10:20-1:00	MTuWTh	HEc 310	Miss Whitesel
Advanced Textiles (June 17-July 12)	474-4	Chem 240	1	7:30-10:10 (Plus double period to be arranged)	MTuWTh	HEc 301	Miss Padgett

Title	Course No. & Hours	Prerequisite	Section No.	Time	Days	Bldg. & Room No.	Instructor
<b>CLOTHING AND TEXTILES (C &amp; T) (Continued)</b>							
Readings	481-2 to 6	*	1	To be arranged			Staff
Special Problems	572-2 to 8	*	1	To be arranged			Staff
Thesis	599-5 to 9	*	1	To be arranged			Staff
		* Consent of department		† Full quarter course			
<b>COMMUNITY DEVELOPMENT INSTITUTE</b>							
Students interested in a major or minor in community development should consult Richard C. Franklin, Director, Community Development Institute, Anthony Hall.							
<b>ECONOMICS (ECON)</b>							
Economics (Macro)	214-3	GSB 211	T1	† 8:00-8:50	M W F	M 310	Mr Wells
			2	† 9:00-9:50	M W F	M 310	Mr Wells
Economics (Micro)	215-3	GSB 211	1	† 11:00-11:50	M W F	M 306	Mr Ellis
Economic Readings	301-1 to 6	*	1	To be arranged			Mr Layer
Economic and Business Statistics	307-4	205	1	10:20-11:35	M W F	M 210	Mr Marks
				10:20-11:35	Tu Th	T32 R104	Staff
			2	10:20-11:35	M W F	M 210	Mr Marks
Labor Problems	310-4	206 or 215	1	8:55-10:10	Tu Th	T32 R104	Staff
Money and Banking I	315-4	206 or 214	1	11:45-1:00	MTu ThF	M 210	Mr Edelman
Economic History of the United States	317-4	205	1	7:30-8:45	MTuW F	M 210	Mr Hollenhorst
Public Finance I	330-4	206	1	8:55-10:10	MTu ThF	M 210	Mr Layer
				2:35-3:50	MTuWTh	HEc 201	Mr Morrison
Business Cycles	470-3	315, 440 or *	1	7:30-8:45	M W F	HEc 203	Mr Marks
Comparative Economic Systems	481-4	205	1	1:10-2:25	MTuW F	M 210	Mr Wells
Workshop in Economic Education	490-4 <sup>1</sup>		1	8:55-11:35	MTuWThF	HEc 203	Mr Martinsek
(August 12-23)				1:10-3:50	MTuWThF	HEc 203	Mr Martinsek

Economic Reading  
 Monetary Theory & Policy  
 Economic Growth  
 Thesis

501-1 to 5  
 517-4  
 519-4  
 599-2 to 9

\*  
 315 or \*  
 317, 418 or \*  
 \*

Mr Layer  
 Mr Hollenhorst  
 Mr Ellis  
 Mr Layer

M 106  
 M 106

MTuW F  
 M W F

To be arranged  
 10:20-11:35  
 8:55-10:10  
 To be arranged

Doctoral Dissertation

600-3 to 48

\*  
 \* Consent of department

Mr Layer

To be arranged

† Full quarter course

### EDUCATIONAL ADMINISTRATION & SUPERVISION (ED AD)

Introduction to Teaching

100-3

1  
 T2

† 1:00-1:50  
 † 2:00-2:50

MTuW  
 MTuW

T41 R103  
 T41 R103

Staff  
 Staff

The American Educational Systems

331-3

1  
 2  
 T3  
 T4

7:30-8:45  
 8:55-10:10  
 10:20-11:35  
 11:45-1:00

MTuW  
 MTuW  
 MTuW  
 MTuW

T42 R118  
 T42 R118  
 T42 R118  
 T42 R118

Mr Brammell  
 Staff  
 Staff  
 Staff

Philosophy of Education

355-4

1  
 2  
 3  
 T4

10:20-11:35  
 8:55-10:10  
 7:30-8:45  
 11:45-1:00

MTuWTh  
 MTuWTh  
 MTuWTh  
 MTuWTh

HFc 208  
 T40 R114  
 Wh 113  
 T41 R101

Mr Moore  
 Mr Axtelle  
 Mr Tollefson  
 Mr Tollefson

Legal Basis of American Education  
 School Administration  
 History of Education in the United States  
 School Supervision  
 Curriculum

420-4  
 424-4  
 431-3  
 456-4  
 460-4

1  
 1  
 1  
 1  
 1

10:20-11:35  
 7:30-8:45  
 10:20-11:35  
 11:45-1:00  
 1:10-2:25

MTuWTh  
 MTuWTh  
 MTuW  
 MTuWTh  
 MTuWTh

T40 R101  
 M 112  
 T41 R103  
 T41 R102  
 T41 R101

Mr Beem  
 Mr Bryant  
 Mr Brammell  
 Mr Kraft  
 Mr Bracewell

Research Methods  
 Seminar in Comparative Education:  
 Soviet Russia (July 15-August 9)  
 Seminar: Curriculum in Relation to  
 American Culture  
 Seminar: The Twentieth Century and  
 Education

500-4  
 502S-4  
 506-4  
 507A-4

1  
 T2  
 1  
 1

7:30-8:45  
 8:55-10:10  
 1:10-3:50  
 7:30-8:45  
 10:20-11:35

MTuWTh  
 MTuWTh  
 MTuWTh  
 MTuWTh  
 MTuWTh

T41 R104  
 M 206  
 HFc 203  
 T40 R101  
 T41 R104

Mr Beem  
 Staff  
 Mr Counts  
 Mr Hall  
 Mr Axtelle

Title	Course No. & Hours	Prerequisite	Section No.	Time	Days	Bldg. & Room No.	Instructor
<b>EDUCATIONAL ADMINISTRATION &amp; SUPERVISION (ED AD) (Continued)</b>							
School Finance	534-4		1	8:55-10:10	MTuWTh	HEc 208	Mr Lawler
Contrasting Philosophies of Education	554-4		1	8:55-10:10	MTuWTh	HEc 202	Mr Lean
Workshop: School Public Relations (June 17-July 11)	563-4		1	1:10-3:50	MTuWTh	HEc 203	Mr Miller
Individual Research (Curriculum)	575A-4		1	To be arranged			Staff
Individual Research (Supervision)	575B-4		1	To be arranged			Staff
Individual Research (Buildings)	575C-4		1	To be arranged			Staff
Individual Research (Finance)	575D-4		1	To be arranged			Staff
Individual Research (School Law)	575E-4		1	To be arranged			Staff
Individual Research (Comparative Educ.)	575F-4		1	To be arranged			Staff
Individual Research (History of Educ.)	575G-4		1	To be arranged			Staff
Individual Research (Philosophy of Education)	575H-4		1	To be arranged			Staff
Individual Research (Administration)	575J-4		1	To be arranged			Staff
Individual Research (Elementary Administration)	575K-4		1	To be arranged			Staff
Readings in Administration and Supervision	576A-4		1	To be arranged			Staff
Independent Investigation	596-4		1	To be arranged			Staff
Thesis	597-1 to 3		1	To be arranged			Staff
Thesis	598-1 to 3		1	To be arranged			Staff
Thesis	599-1 to 3		1	To be arranged			Staff
Dissertation	600-1 to 14		1	To be arranged			Staff
				† Full quarter course			
<b>ELEMENTARY EDUCATION (ELE ED)</b>							
Children's Literature	313-4		1	1:10-2:25	MTuWTh	T40 R101	Miss Williams
Elementary School Methods	314-4		1	10:20-11:35	T41 R102	T41 R102	Mr Bradford
Reading in the Elementary School	337-4		T2	8:55-10:10	MTuWTh	T41 R102	Staff
Aero-Space Education Workshop (August 12-23)	402-4 <sup>1</sup>		2	8:55-10:10	MTuWTh	T41 R103	Mr Brod
			1	7:30-8:45	MTuWTh	T41 R101	Miss Williams
			1	8:55-11:35	MTuWThF	HEc 206	Mr Collins and
				1:10-3:50	MTuWThF	HEc 206	Mr Samford

<sup>1</sup> Cross-listed with Philosophy



415-3	Improvement of Instruction in Arithmetic in the Elementary School (July 22--August 9)	1	1:10-3:50	MTuWThF	HEc 208	Mrs Carter
433-4	Workshop in Elementary Education (Kindergarten-Primary) (July 1-26)	1	8:55-11:35	MTuWThF	HEc 203	Miss Baker
435-4 <sup>2</sup>	Workshop in Elementary School Foreign Language Instruction (June 17-July 12)	1	7:30-11:45	MTuWThF	Wh 214	Miss Peacock
437-4	Problems in Reading	1	7:30-8:45	MTuWTh	T41 R103	Mr Brod
442-4	Science for the Elementary Teacher	1	7:30-8:45	MTuWTh	USch 304	Mr Brown
505-4 <sup>1</sup>	Improvement in Reading Instruction	1	8:55-10:10	MTuWTh	T40 R101	Mr Karlin
507-1 to 4 <sup>1</sup>	Readings in Reading	1	To be arranged			Mr Karlin
537-4	Kindergarten-Primary Reading	1	1:10-2:25	MTuWTh	HEc 201	Miss Baker
541-4	Selected Teaching and Current Problems in Elementary Science	1	10:20-11:35	MTuWTh	USch 304	Mr Brown
542-3	Language Arts in Elementary School (July 23--August 9)	1	8:55-11:35	MTuWThF	M 102A	Mr Ragsdale
543-4	Teaching Social Studies in the Elementary School	1	8:55-10:10	MTuWTh	T41 R101	Mr Randolph
557-4	Elementary Principalship	1	7:30-8:45	MTuWTh	T41 R102	Mr Seymour
561-4	Elementary School Curriculum	1	8:55-10:10	MTuWTh	T41 R104	Mr Lee
575A-2 to 4	Individual Research (Curriculum)	1	To be arranged			Mr Lee
575B-2 to 4	Individual Research (Supervision)	1	To be arranged			Staff
575C-2 to 4	Individual Research (Language Arts)	1	To be arranged			Mr Ragsdale
575D-2 to 4	Individual Research (Science)	1	To be arranged			Mr Brown
575E-2 to 4	Individual Research (Reading)	1	To be arranged			Staff
575F-2 to 4	Individual Research (Social Studies)	1	To be arranged			Mr Randolph
575G-2 to 4	Individual Research (Elementary Ed.)	1	To be arranged			Staff
575H-2 to 4	Individual Research (Arithmetic)	1	To be arranged			Mr Carter
575J-2 to 4	Individual Research (Problems in Kindergarten-Primary)	1	To be arranged			Miss Baker
575K-2 to 4	Individual Research (Elementary Administration)	1	To be arranged			Staff
596-5 to 9	Independent Investigation	1	To be arranged			Staff
597-1 to 3	Thesis	1	To be arranged			Staff
598-1 to 3	Thesis	1	To be arranged			Staff
599-1 to 3	Thesis	1	To be arranged			Staff
600-1 to 36	Dissertation	1	To be arranged			Staff

<sup>1</sup> Cross-listed with Secondary Education<sup>2</sup> Cross-listed with Foreign Languages

Title	Course No. & Hours	Prerequisite	Section No.	Time	Days	Bldg. & Room No.	Instructor
<b>ELEMENTARY EDUCATION (ELED) (Continued)</b>							
<i>Student Teaching (El Ed)</i>							
Kind.-Pri. Stud. Teaching	350b-4 to 16		1	To be arranged			Staff
Elem. Student Teaching General	351b-4 to 16		1	To be arranged			Staff
Elem. Student Teaching Art	351b-4 to 16		2	To be arranged			Staff
Elem. Student Teaching EMH	351b-4 to 16		3	To be arranged			Staff
Elem. Student Teaching Music	351b-4 to 16		4	To be arranged			Staff
Elem. Student Teaching Phys. Educ.	351b-4 to 16		5	To be arranged			Staff
Elem. Student Teaching Phys. Hand.	351b-4 to 16		6	To be arranged			Staff
Elem. Student Teaching Spch. Corr.	351b-4 to 16		7	To be arranged			Staff
<b>ENGLISH (ENG)</b>							
Principles of Grammar	300-4		1	8:55-10:10	MTu	HEc 102	Mr Schneider
English Literature to 1550	302-4		T2	10:20-11:35	MTu	M 206	Staff
A Survey of American Literature to 1860	309-4		1	1:10-2:25	MTu	HEc 102	Mr Cook
			2	1:10-2:25	MTu	M 307	Staff
			2	10:20-11:35	MTu	HEc 102	Mr Stibitz
			1	11:45-1:00	MTu	HEc 102	Mr Pickett
			1	2:35-3:50	MTu	HEc 102	Mr Webb
			1	7:30-8:45	MTu	HEc 102	Mr Benziger
			1	2:35-3:50	M W F	HEc 104	Mr Rainbow
			1	7:30-8:45	M W F	HEc 104	Staff
			2	8:55-10:10	M W F	HEc 104	Staff
			3	10:20-11:35	M W F	HEc 104	Staff
			4	11:45-1:00	M W F	HEc 104	Staff
			5	1:10-2:25	M W F	HEc 104	Staff
			6	7:30-8:45	M W F	M 306	Staff
			T7	11:45-1:00	M W F	M 206	Staff
			T8	2:35-3:50	M W F	M 203B	Staff
Introduction to Linguistics	400-4		1	10:20-11:35	MTu	M 203B	Mr Cook
Early Romantics	415-4		1	8:55-10:10	MTu	M 203B	Mr Camp
Modern British Poetry	422-4		1	7:30-8:45	MTu	M 203B	Miss Barbour
Intellectual Backgrounds of American Literature	438-4		1	1:10-2:25	MTu	HEc 106	Mr Stibitz



Title	Course No. & Hours	Prerequisite	Section No.	Time	Days	Bldg. & Room No.	Instructor
<b>FOREIGN LANGUAGES (FL) (Continued)</b>							
<b>French (Fr)</b>							
Elementary French	101-3 <sup>2</sup>		1	7:30-8:45	M W F	Wh 207	Miss Smith
Elementary French	102-3 <sup>2</sup>		1	8:55-10:10	Tu Th	Wh 207	Miss Smith
Elementary French	103-3 <sup>2</sup>		1	10:20-11:35 11:45-1:00	M W F Tu	Wh 207 Wh 207	Miss Smith Miss Smith
French Conversation and Phonetics	352-5	203	1	1:10-2:25	MTuWThF	M 101	Miss Peacock
<b>German (Ger)</b>							
Elementary German	103-3	102	1	1:10-2:25	M W F	Wh 212	Mrs VonPaleske
Intermediate Course	201-3 <sup>3</sup>	103	1	To be arranged		Germany	Mr Hartwig
Intermediate Course	202-3 <sup>3</sup>		1	To be arranged		Germany	Mr Hartwig
Intermediate Course	203-3 <sup>3</sup>		1	To be arranged		Germany	Mr Hartwig
NDEA Summer Institute for Teachers of German (June 24-August 9)	544-9 <sup>4</sup>		1	7:40-12:25 2:00-5:05	MTuWThF MTuWThF	Wh 1 Wh 1	Mr Liedloff Mr Liedloff
Elementary Spanish	103-3	102	1	1:10-2:25	M W F	Wh 214	Mr Uher
Travel-Study Course in Mexico	360-3 <sup>5</sup>		1	To be arranged		Mexico	Mr Hedrick

<sup>1</sup> Open only to seniors graduating in August, 1963

<sup>1</sup> Cross-listed with Elementary Education

<sup>2</sup> French 101, 102, 103 are to be taken as a unit for nine quarter hours

<sup>3</sup> German 201, 202, 203 are to be taken as a unit for nine quarter hours

<sup>4</sup> Cross-listed with Secondary Education

<sup>5</sup> Nine additional hours may be earned at the University of Guanajuato

## FORESTRY (FOR)

Introduction to Forestry	104-3	1	†	8:00-8:50 8:00-9:50	M W Tu	Ag 168 Ag 168	Mr Hosley Mr Hosley
Special Problems in Forestry	390-1 to 3	1		To be arranged			Staff
Readings in Forestry	520A-1 to 6	1		To be arranged			Staff
Readings in Resource Economics	520B-1 to 6	1		To be arranged			Staff
Research	575-1 to 6	1		To be arranged			Staff
Thesis	599-2 to 9	1		To be arranged			Staff

† Full quarter course

## GEOGRAPHY (GEOG)

Cultural Geography	300-4	1		7:30-8:45	MTu ThF	Ag 224	Mr Velikonja
		2		1:10-2:25	MTu ThF	Ag 216	Mr Fox
Restoration and Conservation	324-4	1		8:55-10:10	MTu ThF	Ag 224	Miss Shank
of Natural Resources		2		11:45-1:00	MTu ThF	Ag 214	Staff
The Soviet Union	402-4	1		10:20-11:35	MTu ThF	Ag 218	Mr Velikonja
Regional Climatology	407-4	1		7:30-8:45	MTu ThF	Ag 144	Mr Cunningham
Geography of Landforms	435-4	1		8:55-11:35	Tu Th	Ag 144	Mr Fox
Readings for Majors	440-2 to 4	1		To be arranged			Staff
Workshop in the Teaching of	T-480-4	T1		8:55-11:35	MTuWThF	Ag 214	Miss Krause
Geography (June 17-28)				1:10-3:50	MTuWThF	Ag 214	Mr Odell
Independent Studies in Geography	530-2 to 4	1		To be arranged			Staff
Research in Physical Geography	540A-2 to 4	1		To be arranged			Staff
Research in Economic Geography	540B-2 to 4	1		To be arranged			Staff
Research in Regional Geography	540C-2 to 4	1		To be arranged			Staff
Research in Cultural Geography	540D-2 to 4	1		To be arranged			Staff
Thesis	599-3 to 9	1		To be arranged			Staff

\* Consent of department



Title	Course No. & Hours	Prerequisite	Section No.	Time	Days	Bldg. & Room No.	Instructor
<b>GEOLOGY (GEOL)</b> Independent study	440-1 to 4	Advanced standing	1	To be arranged			Staff
Research Thesis	541-1 to 4 599-1 to 9		1 1	To be arranged To be arranged			Staff Staff
<b>GOVERNMENT (GOVT)</b>							
American National Government	231-5		1	8:00-8:50	MTuWThF	M 203	Mr Frier
State and Local Government	232-5		1	9:00-9:50	MTuWThF	M 203	Mr Roberts
Introduction to American Foreign Policy	243-3		1	10:00-10:50	M W F	M 203	Mr Landecker
American Government	300-4		1	7:30-8:45	MTu ThF	HEc 208	Mr Sappenfield
Readings	321-1 to 6		1	To be arranged			Mr Alexander
Illinois Government	330-2		1	7:30-8:45	Tu Th	M 201	Mr Kenney
United States-Latin American Government	363-3		1	8:55-10:10	M W F	M 201	Mr Morton
International Relations	370-3		1	7:30-8:45	M W F	M 201	Mr Landecker
Contemporary Political "Isms"	385-3		1	10:20-11:35	M W F	M 201	Mr Kamarasy
The American Chief Executive	406-4		1	11:45-1:00	MTu ThF	M 106	Mr Nelson
Development of German Democracy	454-8		1	To be arranged		Hamburg, Germany	Mr Schweinfurth
Government and Politics of the Far East	459-4		1	1:10-3:50	M W	M 202	Mr Jacobi
The Organization and Administration of American Foreign Policy	471-4		1	1:10-3:50	Tu Th	M 202	Mr Klingberg
Recent Political Theory III	490-3		1	10:20-11:35	M W F	M 202	Mr Morton
Seminar in Governmental Problems	502-3		1	8:55-11:45	Tu Th	M 202	Mr Morton
Readings in Government	521-1 to 6		1	8:55-10:10		M 202	Mr Morton
Internship in Public Affairs	530-4 to 12		1	To be arranged			Mr Alexander
Individual Research	595-2 to 12		1	To be arranged			Mr Winter
Thesis	599-1 to 9		1	To be arranged			Staff

**GUIDANCE (GUID)**

Educational Psychology	305-4	Psyc 201	1	7:30-8:45 7:30-8:45 7:30-8:45 7:30-8:45 7:30-8:45 7:30-8:45 7:30-8:45 7:30-8:45 7:30-8:45 7:30-8:45	M W F Tu M W F M W F Tu M W F M W F M W F Tu M W F Th	Ag 166 M 106 Ag 166 M 107 Ag 166 Ag 166 Ag 166 Ag 166 M 108 Ag 166 M 210	Mr Skinner Mr Beggs Mr Skinner Mr Beggs Mr Skinner Mr Blaker Mr Skinner Mr Skinner Staff Mr Skinner Staff
Mental Hygiene	412-4	305	1	8:55-10:10 8:55-10:10 8:55-10:10 8:55-10:10 10:20-11:35 10:20-11:35 10:20-11:35 10:20-11:35 10:20-11:35 10:20-11:35	M W F Tu M W F M W F Tu M W F M W F M W F Tu M W F	Ag 116 Ag 146 Ag 116 M 106 M 213 M 213 M 213 M 213 M 201 M 213 M 213	Mrs Josse Mr Huff Mrs Josse Mr Huff Mr Fitzpatrick Mr Fischer Mr Fitzpatrick Mr Fischer Mr Fitzpatrick Mr Beggs Mr Beggs Mrs Josse Mr Blaker Mrs Josse Mr Blaker Mrs Josse Mr Fischer Mrs Josse Mr Fischer
Educational Statistics	420-4	305	1	10:20-11:35 10:20-11:35 10:20-11:35 10:20-11:35 10:20-11:35 10:20-11:35 10:20-11:35 10:20-11:35 10:20-11:35 10:20-11:35	M W F Tu M W F M W F Tu M W F M W F M W F Tu M W F	LS 133 M 206 LS 133 HEC 104 LS 133 Ag 146 LS 133 LS 133 Ag 220 Ag 220	Mr Blaker Mrs Josse Mr Fischer Mrs Josse Mr Fischer Mrs Josse Mr Fischer Mrs Josse Mr Fischer Mrs Josse Mr Fischer
Educational Measurements I	422-4	305	1	11:45-1:00 11:45-1:00 11:45-1:00 11:45-1:00 11:45-1:00 11:45-1:00 11:45-1:00 11:45-1:00 11:45-1:00 11:45-1:00	M W F Tu M W F M W F Tu M W F M W F M W F Tu M W F	LS 133 M 206 LS 133 HEC 104 LS 133 Ag 146 LS 133 LS 133 Ag 220 Ag 220	Mr Blaker Mrs Josse Mr Blaker Mrs Josse Mr Blaker Mrs Josse Mr Fischer Mrs Josse Mr Fischer Mrs Josse Mr Fischer

Title	Course No. & Hours	Prerequisite	Section No.	Time	Days	Bldg. & Room No.	Instructor
<b>GUIDANCE (GUID) (Continued)</b>							
Educational Measurements I	422-4		5	11:45-1:00 11:45-1:00	M W F Tu	LS 133 HEc 104	Mrs Josse Mr Gray
			6	11:45-1:00	M W F	LS 133	Mrs Josse
			7	11:45-1:00 11:45-1:00	Th M W F	HEc 118 LS 133	Mr Gray Mrs Josse
			8	11:45-1:00 11:45-1:00	Tu M W F	HEc 118 LS 133	Mr Huff Mrs Josse
Basic Principles of Guidance	442-4	305	1	11:45-1:00	Th	M 108	Mr Huff
			1	7:30-8:45	M W F	Ag 116	Mrs Parker
			1	7:30-8:45	Tu	Ag 116	Mr Gray
			2	7:30-8:45	M W F	Ag 116	Mrs Parker
			2	7:30-8:45	Th	Ag 116	Mr Gray
			1	7:30-3:50	MTuWThF	Ag 154	Mr Vieceli
Seminar on a Selected Topic (Developing Employment Opportunities for Blind Persons in Competitive Occupations) (June 23-July 26)	481-6	*					
Seminar on a Selected Topic (Institute for Rehabilitation Personnel) (August 18-30)	481-4	*	2	7:30-3:50	MTuWThF	HEc 208	Mr Renzaglia
Special Research Problem	501-2 to 6	Advanced standing	1	To be arranged			Mr Phelps
Psychological Aspects of Education	515-4	Advanced standing	1	8:55-10:10	TuWThF	Ag 220	Mr Orton
Designing of Experiments in Education	521-4	520	1	11:45-1:00	MTu ThF	M 213	Mr Fitzpatrick
Educational Measurements II	522-4	420, 422	1	10:20-11:35	M WThF	M 305A	Staff
School Behavior Problems and Their Prevention	525-4	412	1	11:45-1:00	MTuW F	Ag 220	Mr Thalman
Appraisal of Intelligence: Elementary School Level	536A-4	522	1	1:10-3:50	M W	Ag 218	Staff
Appraisal of Intelligence: Adolescents	536B-4	522	1	1:10-3:50	M W	Ag 218	Staff
Counseling Theory and Practice I	537-4	522	1	1:10-3:50	Tu Th	Ag 220	Mr Meek
Counseling Theory and Practice II	538-4	537	1	1:10-3:50	M W	Ag 220	Mr Meek
Occupational Information and Guidance	541-4 <sup>1</sup>	Advanced standing	1	11:45-1:00	MTu ThF	Ag 116	Mr Ramp
Guidance Through Groups	543-4	Advanced standing	1	7:30-8:45	TuWThF	HEc 306	Mr Phelps
Seminar: Problems in Guidance	545A-4	Advanced standing	1	8:55-10:10	TuWThF	Ag 222	Mrs Parker
Adolescent Development in Education	562B-4	Advanced standing	1	10:20-11:35	MTu ThF	Ag 224	Mr Skinner
Practicum in School Personnel Work	576-4	Advanced standing	1	To be arranged			Mr Southard
Independent Investigation	590-3 to 9	Advanced standing	1	To be arranged			Mr Fitzpatrick
Thesis	599-3 to 9	Advanced standing	1	To be arranged			Mr Phelps

\* Consent of department

<sup>1</sup> Cross-listed with Industrial Education

**HEALTH EDUCATION (H ED)**

Principles and Foundations of Health Education

Course Title	Prerequisites	Advanced Standing	Level	Time	Days	Room	Instructor
Driver Education and Training			1	8:00-8:50	M	WThF	Mr Vaughan
Child Development			1	7:30-8:45	MTuWTh	T85	Staff
First Aid			1	10:20-11:35	MTuWTh	M 111	Mr Casey
			1	10:20-11:35	TuWThF	T85	Mr Bridges
			2	11:45-1:00	MTu ThF	HEc 120	Mr Shay
Methods and Materials in Elementary School Health Education			1	7:30-8:45	MTuWTh	M 111	Miss Phillips
			2	11:45-1:00	TuWThF	M 111	Miss Phillips
Workshop in Driver Education and Traffic Safety (July 15-August 9)		312, 323 or *	1	1:10-4:30	MTuWThF	M 201	Mr Aaron
Methods and Materials in Driver Education		302S	1	8:55-10:10	M WThF	T85	Mr Bridges
Methods and Materials in Secondary School Health Education			1	7:30-8:45	MTuW F	M 102A	Mr LeFevre
Workshop in Health Education (June 17-July 12)		100 or 201	1	1:10-4:30	MTuWThF	M 201	Mr Grissom
Workshop in Health Education (June 17-July 12)		461	1	1:10-4:30	MTuWThF	M 201	Mr Grissom
Workshop in Health Education (June 17-July 12)		462	1	1:10-4:30	MTuWThF	M 201	Mr Grissom
Workshop in Alcohol Education (June 17-July 12)			T1	1:10-4:30	MTuWThF	M 310	Mr Richardson
Organization and Administration of School Health Program			1	11:45-1:00	MTuWTh	Gym 204	Mr Vaughan
Field Work in School and Community Health			1	To be arranged			Mr Grissom
Practicum in Health Education Workshop (June 17-July 12)			1	10:00-11:00	MTuWThF	M 102A	Mr Grissom
Special Projects			1	1:10-4:30	MTuWThF	M 102A	Mr Grissom
Organization, Administration, and Supervision of Safety Education			1	To be arranged			Mr Boydston
Human Conservation III			1	11:45-1:00	MTuWTh	T85	Mr Aaron
			1	8:55-10:10	MTuWTh	M 111	Mr Richardson

\* Consent of department † Full quarter course

Title	Course No. & Hours	Prerequisite	Section No.	Time	Days	Bldg. & Room No.	Instructor
<b>HIGHER EDUCATION (HIED)</b> Higher Education in the United States	410-4		1	7:30-8:45	MTuWTh	T144	Mr Trueblood
Seminar in Higher Education-The Technical Institute	521Y-2		1	To be arranged		T144	Mr Simon
Readings in Higher Education-College Teaching	522A-1 to 6		1	To be arranged		T144	Mr Hand and Mr Trueblood
Readings in Higher Education-College Student Personnel	522B-1 to 6		1	To be arranged		T144	Mr Trueblood
Readings in Higher Education-College Administration	522C-1 to 6		1	To be arranged		T144	Mr Hand
Internship in Higher Education-College Teaching	523A-1 to 12		1	To be arranged		T144	Mr Hand and Mr Trueblood
Internship in Higher Education-College Student Personnel	523B-1 to 12		1	To be arranged		T144	Mr Trueblood
Internship in Higher Education-College Administration	523C-1 to 12		1	To be arranged		T144	Mr Hand
Special Research Problems-College Teaching	524A-2 to 6		1	To be arranged		T144	Mr Hand and Mr Trueblood
Special Research Problems-College Student Personnel	524B-2 to 6		1	To be arranged		T144	Mr Trueblood
Special Research Problems-College Administration	524C-2 to 6		1	To be arranged		T144	Mr Hand
Administrative Practices in Higher Education	576-4		1	8:55-10:10	MTuWTh	T144	Mr Hand
<b>HISTORY (HIST)</b> The United States to 1865 (Students taking 201 must also register for 201A.) Discussion Groups	201-5 201A-0	Soph. standing	1	† 8:00-8:50	MTuWTh	M 213	Mr Adams
			1	† 12:00-12:50	Th	M 206	Staff
			2	† 3:00-3:50	F	M 105	Staff
			3	† 8:00-8:50	F	M 209	Staff
			4	† 9:00-9:50	M	M 112	Staff
The United States since 1865 (Students taking 202 must also register for 202A.) Discussion Groups	202-5 202A-0	Soph. standing	1	† 11:00-11:50	MTuW F	Ag 166	Mr Briggs
			1	† 12:00-12:50	F	M 112	Staff





Title	Course No. & Hours	Prerequisite	Section No.	Time	Days	Bldg. & Room No.	Instructor
<b>HOME AND FAMILY (H &amp; F) (Continued)</b>							
Workshop: Maintenance and Operation of the Nursery School (July 8-12)	T-407-2		T2	9:00-4:00	MTuWThF	HEc 122	Mr Zurich
Work Simplification in Home Management (July 15-August 9)	435-4		1	7:30-10:10	MTu ThF	HEc 5	Miss Johnston
Readings	481-2 to 4	*	1	To be arranged			Miss Johnston Mr Zurich
Special Problems	572-2 to 4	*	1	To be arranged			Mr Zurich
Thesis	599-2 to 9	*	1	To be arranged			Miss Johnston
* Consent of department † Full quarter course							
‡ 2-hour laboratory to be arranged between 9:00 and 11:30 A.M. on MTuWThF for first 8 weeks. Class will meet F at 10:00-10:50 for last 4 weeks.							
<b>HOME ECONOMICS EDUCATION (H E ED)</b>							
Special Problems	313-2 to 4	*	1	To be arranged			Staff
Introduction to Graduate Study	415-1		1	7:30-8:45	F	HEc 120	Miss Fults
Readings	481-2 to 4	*	1	To be arranged			Staff
Workshop: Emphasis on Evaluation (June 17-28)	507-3		1	9:00-4:00	MTuWThF	HEc 133	Miss Fults
Trends in Home Economics Education (June 17-July 12)	515-4		1	1:10-3:50	MTuWTh	HEc 120	Mrs Chase
Methods and Materials for Adult Programs in Home Economics (July 15-August 9)	517-4		1	1:10-3:50	MTuWTh	HEc 120	Staff
Special Problems	572-2 to 4		1	To be arranged			Staff
Thesis	599-2 to 5		1	To be arranged			Staff
Dissertation	600-3 to 12		1	To be arranged			Staff
* Consent of department							

# INDUSTRIAL EDUCATION (IED)

122-4	Machine Shop I	1	†	8:00-9:50	MTu	ThF	T25	R109	Mr Vineyard
130-4	Industrial Arts Drawing I	1	†	11:00-12:50	MTu	ThF	USch	106A	Mr Pollock
217-4 <sup>1</sup>	General Typography	1	†	8:00-9:50	MTuWTh		T185		Mr Modlin
222-4	Machine Shop II	1	†	8:00-9:50	MTu	ThF	T25	R109	Mr Vineyard
233-4	Industrial Arts Drawing II	1	†	11:00-12:50	MTu	ThF	USch	106A	Mr Pollock
300-4	Plastic Materials	1		10:20-1:00	MTu	ThF	T25	R110	Mr Buntin
302-4	Constructional Methods for Primary Teachers	1		7:30-10:10	MTu	ThF	T25	R110	Mr Buntin
303-4	Diversified Crafts for Teachers and Recreational Leaders	2		1:10-3:50	MTu	ThF	T25	R106	Staff
306-4	Industrial Arts Design	1		7:30-10:10	MTu	ThF	USch	105	Mr Schroeder
319-3	Industrial Internship	2		10:20-1:00	MTu	ThF	USch	105	Mr Schroeder
365-4	Industrial Safety	1		7:30-10:10	MTu	ThF	USch	106A	Mr Pollock
		1		To be arranged					Mr Ramp
		1		1:10-2:35	MTu	ThF	P	111	Mr Johnson
430-2 to 6	Special Problems	1		To be arranged					Mr Erickson
435-6 to 12	Manual Arts Internship	1		To be arranged					Mr Johnson
494-4	Organization and Administration of Industrial Education	1		10:20-11:35	MTu	ThF	P	111	Mr Vineyard
540-4	Research in Industrial Education	1		8:55-10:10	MTu	ThF	Ag	172	Mr Gallington
541-4 <sup>2</sup>	Occupational Information and Guidance	1		11:45-1:00	MTuWTh		Ag	116	Mr Ramp
550-4	College Teaching of Industrial and Technical Subjects	1		7:30-8:45	MTu	ThF	Ag	218	Mr Erickson
				7:30-8:45			Ag	168	Mr Erickson
560-2 <sup>3</sup>	New Developments in Industrial Education	1		10:20-11:35	TuWThF		HEc	202	Mr Wheeler
	Program Development and Improvement Through State and Local Co-operation (June 18-27)	1		1:10-2:25	MTuWTh		HEc	202	Mr Wheeler
	Improvement of Instruction Through Curriculum Development (July 1-11)	2		10:20-11:35	MTuW F		HEc	202	Mr Curry
	The Most Rapidly Expanding Phase of Education—Research (July 16-25)	3		1:10-2:25	MTuWTh		HEc	202	Mr Curry
	Power Mechanics (July 30-August 8)	4		10:20-11:35	TuWThF		HEc	202	Mr Evans
				1:10-2:25	TuWThF		HEc	202	Mr Evans
				To be arranged					Mr Atterberry
570-2 to 6	Special Investigations in Industrial Education	1		To be arranged	MTuWTh		HEc	202	Mr Atterberry
									Mr Gallington

Title	Course No. & Hours	Prerequisite	Section No.	Time	Days	Bldg. & Room No.	Instructor
<b>INDUSTRIAL EDUCATION (IED) (Continued)</b>							
Thesis	599-1 to 9	*	1	To be arranged			Staff
<sup>1</sup> Cross-listed with Printing and Photography		* Consent of department		† Full quarter course			
<sup>2</sup> Cross-listed with Guidance							
<sup>3</sup> Cross-listed with Secondary Education							
<b>INSTRUCTIONAL MATERIALS (IM)</b>							
School Library as Information Center	306-4		1	1:10-2:25	MTuWTh	Lib 112	Miss Behymer
School Library Technical Processes	308-4		1	11:45-1:00	MTuWTh	Lib 112	Mr Evans
School Library Functions and Management	403-4		1	2:35-3:50	MTuWTh	Lib 112	Mr Evans
Library Materials for Children	405-4		1	7:30-8:45	MTuWTh	Lib 112	Miss Cox
Audio-Visual Methods in Education	417-4		1	7:30-8:45	MTuWTh	HEc 120	Mr Wyscoff
			2	8:55-10:10	MTuWTh	Ag 166	Mr Scholl
			3	8:55-10:10	MTuWTh	Lib 112	Mr Allen
			4	10:20-11:35	MTuWTh	T169	Mr Allen
			5	11:45-1:00	MTuWTh	LS G16	Mr Scholl
			T6	1:10-2:25	MTuWTh	T169	Staff
			T7	2:35-3:50	MTuWTh	T169	Staff
School Library Activities and Practices	420-4		1	10:20-11:35	MTuWTh	Lib 112	Miss Cox
Preparation of Teacher-Made Audio-Visual Materials (June 19-July 18)	445-4	417	1	7:30-10:10	MTuWThF	T169	Mr Butts
Classroom Teaching with Television (August 12-16)	450-3		1	8:55-11:35	MTuWThF	Lib 112	Mr Andereck
Programming Automated Instruction	470-4		1	1:10-3:50	MTuWThF	Lib 112	Mr Andereck
			1	8:55-10:10	MTuWTh	Lib 112A	Mr Rust
Integration of Audio-Visual Materials in the Classroom	546-4	417	1	11:45-1:00	MTuWTh	T169	Mr Butts
Supervision and Administration of an Audio-Visual Program	548-4		1	7:30-8:45	MTuWTh	Lib AV Office	Mr Ingti
Problems in Instructional Materials	576-2 to 4		1	To be arranged	Lib 112	Lib 112	Mr Wendt
Thesis	599-5 to 9		1	To be arranged	Lib 112	Lib 112	Mr Wendt





Title	Course No. & Hours	Prerequisite	Section No.	Time	Days	Bldg. & Room No.	Instructor
<b>LATIN AMERICAN INSTITUTE</b>							
Students interested in a program in inter-American studies should consult Mr. A. W. Bork, Director, Latin American Institute. Offices are located at 907 South Lewis.							
<b>MANAGEMENT (MGT)</b>							
Introduction to Business	170-4		1 †	8:00-8:50	MTuWTh	HEc 303	Mr Hong
Corporation Finance	320-5	Econ. 205 Acct. 253	1	10:20-11:35	MTuWThF	M 215	Mr Abelle
General Insurance	327-4	Econ. 206 Acct. 253	1	1:10-2:25	TuWThF	M 215	Mr Abelle
Business Organization and Management	340-4		1	8:55-10:10	TuWThF	M 215	Mr Hanline
Business Report Writing	361-3		1	11:45-1:00	TuWTh	M 215	Mr Fohr
Production Management	380-4	Econ. 206	1	7:30-8:45	MTuWTh	M 215	Mr Stamberg
Personnel Management	385-4		1	10:20-11:35	MTuWTh	LS G16	Mr Stamberg
Management of Business Finance	421-4	320	1	7:30-8:45	TuWThF	M 206	Mr Kittrell
Programming for Digital Computers	455-4 <sup>1</sup>		1	1:10-2:25	M WThF	M 312	Mr Blose
Problems in Business and Economics	479-4	*	1	11:45-1:00	TuWThF	M 201	Mr Kittrell
Administrative Management	481-4	340	1	11:45-1:00	MTuWTh	M 214	Mr Hanline
Readings in Business Administration	500-2 to 5		1	To be arranged			Mr Hong
Individual Research	501-2 to 5		1	To be arranged			Mr Rehn
Thesis	599-2 to 9		1	To be arranged			Mr Hong
* Consent of department † Full quarter course							
<b>MARKETING (MKTG)</b>							
Principles of Marketing	230-5		1 †	8:00-8:50	MTuWThF	HEc 118	Mr Rosenbarger
Retailing	331-4	230	1	7:30-8:45	TuWThF	M 214	Mr Hindersman

<sup>1</sup> Cross-listed with Mathematics

Advertising Principles of Salesmanship	333-4 337-4	230 230	1 1	8:55-10:10 8:55-10:10	TuWThF MTu ThF	M 214 M 306	Mr Hindersman Mr Shell
Sales Management	438-4	230 or 337	1	10:20-11:35	MTuWTh	M 214	Mr Hoffman
Readings in Marketing Individual Research in Marketing Seminar in Marketing Thesis	500-2 to 5 501-2 to 5 595-3 599-2 to 9	230 or 550	1 1 1 1	To be arranged To be arranged To be arranged To be arranged			Mr Hindersman Mr Hindersman Mr Hoffman Mr Hoffman

† Full quarter course

**MATHEMATICS (MATH)**

General Mathematics I	106-4		1 T2 3 T4 5 6 1	8:00-8:50 8:00-8:50 2:00-2:50 2:00-2:50 3:00-3:50 8:55-10:10 12:00-12:50	MTu ThF MTu ThF MTu ThF MTu ThF MTuWTh TuWThF MTuWThF	M 314 M 312 M 314 M 207 HEc 202 M 312 M 314	Staff Staff Staff Staff Staff Staff Staff
Calculus and Analytic Geometry	150-5	112 or 116	1	†			
Teaching of Elementary Mathematics	210-4	106	1	†	M Tu F	M 312 M 314	Staff Staff
Elementary Statistics	220-4	106	T2 3 1	† † †	MTu ThF MTuWTh M W	M 107 M 112 M 311	Staff Staff Staff
Calculus and Analytic Geometry II Calculus and Analytic Geometry III Calculus and Analytic Geometry IV	251-5 252-5 253-4	150 251 252	2 1 1 1	† † † †	ThF ThF MTuWThF MTuWThF TuWThF	M 314 M 312 M 311 M 311 M 311	Staff Staff Staff Staff Staff
Applied Mathematics for Physical Sciences I	305-3	253	1		M W Th	M 311 M 314 M 309	Mr Skalsky Mr Skalsky Mr Skalsky

Title	Course No. & Hours	Prerequisite	Section No.	Time	Days	Bldg. & Room No.	Instructor
<b>MATHEMATICS (MATH) (Continued)</b>							
Solid Analytic Geometry	T-413-4	253	T1	8:55-10:10	MTu ThF	M 311	Mr Gates
Linear Algebra I	421-3	253	1	11:45-1:00	M W F	M 309	Mr Gates
Theory of Numbers	425-3	320	1	1:10-2:25	M W F	M 309	Mr Mark
Theory of Point Sets	433-3		1	8:55-10:10	M W F	M 309	Mr Lanchenhop
Modern Algebra for Teachers (NSF)	440-4 <sup>1</sup>		1	10:20-11:35	MTuWThF	Ag 220	Miss Pepper
Programming for Digital Computers	455-4 <sup>2</sup>	252	1	1:10-2:25	M WThF	M 312	Mr Blöse
Probability I	480-4	253	1	10:20-11:35	MTu ThF	M 311	Mr Mark
Differential Geometry	536-3		1	10:20-11:35	M W F	M 309	Mr Skalsky
Group and Linear Transformation (NSF)	540-4 <sup>1</sup>	454	1	7:30-8:45	MTuWThF	Ag 220	Miss Pepper
Fundamental Concepts of Calculus (NSF)	544-4 <sup>1</sup>		1	7:30-8:45	MTuWThF	Ag 222	Mr Starks
Convex Figures (NSF)	T-546-4 <sup>1</sup>		T1	10:20-11:35	MTuWThF	Ag 222	Mr Asenjo
Seminar in Mathematics Education (NSF)	550E-2 <sup>1</sup>		1	1:30-4:00	Tu	HEc 118	Mr Starks and Mr Asenjo
Research in Mathematics Education (NSF)	592-3 <sup>1</sup>		1	1:30-4:00	Th	HEc 118	Mr Kenner
Special Project in Algebra	595A-2 to 4	*	1	To be arranged			Staff
Special Project in Geometry	595B-2 to 4	*	1	To be arranged			Staff
Special Project in Analysis	595C-2 to 4	*	1	To be arranged			Staff
Special Project in Probability and Statistics	595D-2 to 4	*	1	To be arranged			Staff
Special Project in Mathematics Education	595E-2 to 4	*	1	To be arranged			Staff
Thesis	599-2 to 6	*	1	To be arranged			Staff
		* Consent of department					
		† Full quarter course					
		‡ Open only to seniors graduating in August, 1963					
		§ Open only to seniors in math, and special permits signed by Mr. Kenner					
<b>MICROBIOLOGY (MICR)</b>							
BSCS High School Biology (NSF)	507-8	Two yrs. of college biology	1	7:30-10:10	MTuWThF	LS 205	Staff
Research Readings in Microbiology	511-1 to 8		1	1:10-3:50	MTuWThF	LS 209	Staff
Microbiology for High School Teachers (NSF)	550-4	One year of college biology	1	To be arranged			Staff
				7:30-8:45	Tu Th	LS ' G16	Staff
				7:30-10:10	W F	LS G6	Staff

<sup>1</sup> Open only to National Science Foundation participants, candidates for M.S. in E.d. with major in math, and special permits signed by Mr. Kenner

<sup>2</sup> Cross-listed with Management

Dissertation

600-1 to 12

To be arranged

Staff

**MUSIC (MUS)**

Symphonic Band  
 Chorus  
 Orchestra

001B-1  
 002A-1  
 003-1

Mr Canedy  
 Staff  
 Staff

Private Violin

011-2 to 4

Mr Wharton

Private Viola

012-2 to 4

Mr Stener

Private Cello

013-2 to 4

Mr Bottje

Private String Bass

014-2 to 4

Mr Forman

Private Flute

021-2 to 4

Mr Betterton

Private Oboe

022-2 to 4

Mr Canedy

Private Bassoon

024-2 to 4

Mr Shaak

Private Percussion

031-2 to 4

Mr Shaak

Class Piano

040-1

Mr Barwick

Private Piano

041-2 to 4

Mr Barwick

Private Piano

041-2 to 4

Mr Denker

Private French Horn

051-2 to 4

Mr Mueller

Private Trumpet

052-2 to 4

Mr Olsson

Class Voice

060-1

Mr Miller

Private Voice

061-2 to 4

Mr W Taylor

Private Organ

071-2 to 4

Mr Morgan

Elementary Music Methods for Non-

Music Majors

Music Education-Secondary

Recreational Music

Composition I

Composition II

Composition III

10:20-11:35

Mr Forman

7:30-8:45

Mr C Taylor

8:55-10:10

Mr McIntosh

To be arranged

Mr Bottje

To be arranged

Mr Bottje

To be arranged

Mr Bottje

Title	Course No. & Hours	Prerequisite	Section No.	Time	Days	Bldg. & Room No.	Instructor
<b>MUSIC (MUS) (Continued)</b>							
Analysis II	326B-3		1	8:55-10:10	M W F	Alg 106	Mr Bottje
Opera Workshop	346-2 to 8		1	2:30-4:30	MTuWThF	Alg 246	Mr W Taylor
			2	7:00-10:00 pm	MTuWThF	Aud Stage	Mr W Taylor
				9:00-12:00	M W F	Hot Springs, Arkansas	Miss Lawrence
				4:00-6:00 pm	Tu ThF		Miss Lawrence
Symphonic Literature	411-3		1	1:10-2:25	Tu ThF	Alg 106	Mr Barwick
The Teaching of General Classroom Music	451-2		1	7:30-8:45	Tu Th	Alg 248	Mr Betterton
Elementary Music Education Workshop (July 15-26)	455-4		1	9:00-12:00	MTuWThF	Alg 116	Staff
Teaching Techniques and Materials for the Beginning and Intermediate Levels	461-2		1	1:30-3:30	MTuWThF	Alg 116	Staff
Private Piano	471-2 to 6		1	1:10-2:25	Tu Th	Alg 301	Mr Shaak
			1	To be arranged		Alg 247	Mr Barwick
			2	To be arranged		Alg 238	Mr Denker
Private Voice	472-2 to 6		1	To be arranged		Alg 246	Mr W Taylor
Private Violin	473A-2 to 6		1	To be arranged		Alg 219	Mr Wharton
			2	To be arranged		Aud Stage	Mr van Bronkhorst
Private Flute	474A-2 to 6		1	To be arranged		Alg 233	Mr Bottje
Private Organ	476-2 to 6		1	To be arranged		Alg 108C	Mr Morgan
Readings in Music Theory	481-2 to 6		1	To be arranged		Alg 103B	Mr Mueller
Readings in Music History Literature	482-2 to 6		1	To be arranged		Alg 103C	Mr Denker
Readings in Music Education	483-2 to 6		1	To be arranged		Alg 229	Mr Betterton
Introduction to Graduate Study in Music	501-3		1	8:55-10:10	M W F	Alg 244	Mr Denker
History of Analysis of Style	502-3		1	10:20-11:35	M WThF	Alg 106	Mr Morgan and Mr Mueller
Seminar in Music History Literature	522-3		1	To be arranged		Alg 103C	Mr Morgan
Advanced Composition	531-3		1	To be arranged		Alg 233	Mr Bottje
Workshop (Seminar) in Instrumental Materials and Techniques (June 24-July 5)	554-3		1	9:00-12:00	MTuWThF	Aud Stage	Mr Canedy and Mr Olsson
Advanced Conducting	556-2 to 8		1	To be arranged			Mr van Bronkhorst
Opera Workshop	568-2 to 8		1	2:30-4:30	MTuWThF	Alg 246	Mr W Taylor
			2	7:00-10:00 pm	MTuWThF	Aud Stage	Mr W Taylor
				9:00-12:00	M W F	Hot Springs, Arkansas	Miss Lawrence
Private Piano	571-4		1	4:00-6:00 pm	Tu ThF		Miss Lawrence
				To be arranged		Alg 247	Mr Barwick



Private Voice  
Private Organ  
Thesis

2  
1  
1  
1

572-4  
576-4  
599-3 to 6

To be arranged  
To be arranged  
To be arranged  
To be arranged

Alg 235 Mr Denker  
Alg 246 Mr W Taylor  
Alg 103C Mr Morgan  
Alg 103B Mr Mueller

† Full quarter course

All courses on the 000 level and course 346 which are offered on an eight-week basis are open to freshmen and sophomores only if they are registered in other courses offered on a full quarter basis. All private lessons (applied music courses) MUST be arranged for with the instructor concerned on the first day of the summer session (June 17). Additional courses in private or class instruments will be offered to qualified students after consultation with the chairman of the Department of Music. All class instrument and voice students are reminded of the requirement of at least one hour of private practice per day. Air-conditioned practice rooms will be assigned on the first day of the summer session at the Department of Music office (Alg 103).

## NURSING (NURS)

Medical-Surgical Nursing III

240-4

230

†

3:00-3:50

MTuWTh

HEc 128

Miss Jimison  
and Miss Parker

Medical-Surgical Nursing III Practicum

240A-3

230A

†

7:00-12:00

TuW

Hospital

Miss Jimison  
and Miss Jimison

Medical-Surgical Nursing III Practicum

354-2

361-8

375-4

380-8

Majors

1

1

1

1

To be arranged  
7:00-2:30  
To be arranged  
To be arranged

MTuWThF

HEc 128  
Hospital  
Health Dept.  
Health Dept.

Miss Zich  
Miss Staff  
Mrs Burton  
Mrs Burton  
Miss Parker  
and Miss Parker  
Miss Jimison  
and Miss Parker  
Miss Jimison  
and Miss Parker  
Miss Jimison  
and Miss Parker

Current Developments in Nursing

Senior Nursing I

Principles of Public Health Nursing

Public Health Nursing Practicum

354-2

361-8

375-4

380-8

Majors

1

1

1

1

To be arranged  
7:00-2:30  
To be arranged  
To be arranged

MTuWThF

HEc 128  
Hospital  
Health Dept.  
Health Dept.

Miss Zich  
Miss Staff  
Mrs Burton  
Mrs Burton  
Miss Parker  
and Miss Parker  
Miss Jimison  
and Miss Parker  
Miss Jimison  
and Miss Parker

## PHILOSOPHY (PHIL)

Oriental Philosophy

Elementary Ethics and Politics

Philosophy of Education

303-4

340-4

355-4

1

1

1

8:55-10:10

10:20-11:35

10:20-11:35

MTuWTh

HEc 206  
HEc 201  
HEc 208

Mr Mohan  
Mr McClure  
Mr Moore

Title	Course No. & Hours	Prerequisite	Section No.	Time	Days	Bldg. & Room No.	Instructor
<b>PHILOSOPHY (PHIL) (Continued)</b>							
Special Problems	490-2 to 4		1	To be arranged		HEc 209	Mr Moore
Seminar in Theory of Knowledge	530-4		1	To be arranged		HEc 207	Mr McClure
General Graduate Seminar	589-2 to 5		1	To be arranged		HEc 209	Mr Moore
General Graduate Seminar	590-2 to 5		1	To be arranged		HEc 209	Mr Moore
Readings in Philosophy	591-1 to 5		1	To be arranged		HEc 207	Mr McClure
Thesis	599-3 to 6		1	To be arranged		HEc 209	Mr Moore
<sup>1</sup> Cross-listed with Educational Administration and Supervision							
<b>PHYSICAL EDUCATION—MEN (PEM)</b>							
Elementary Swimming	298-1		1	† 12:00-12:50	M W	Pool	Mr Zauner
Kinesiology	303-5	Phsl 300	1	10:20-11:35	MTuWThF	Gym 203	Mr Lingle
Theory of Coaching Basketball	330A-2	216	1	8:55-10:10	Tu Th	Gym 203	Mr Hartman
Principles of Physical Education	341-3	Senior standing	1	7:30-8:45	MTuW	Gym 203	Mr Wilkinson
Care & Prevention of Athletic Injuries	376-3	Phsl 300	1	11:45-1:00	MTuWTh	Gym 203	Mr Spackman
Evaluation in Physical Education	400-4 <sup>1</sup>		1	10:20-11:35	MTuWTh	Gym 204	Mr Shea
Techniques of Research	500-4 <sup>1</sup>		1	7:30-8:45	MTuWTh	Wh 107	Mr Knowlton
Foundations of Motor Skills	502-4 <sup>1</sup>		1	8:55-10:10	MTuWTh	Gym 204	Miss Zimmerman
Scientific Basis of Athletic Training (June 17-July 12)	507-4 <sup>1</sup>	Phsl 300	T1	1:10-3:50	MTuWTh	Gym 203	Staff
Readings in Physical Education	525-1 to 6 <sup>1</sup>	*	1	To be arranged			Staff
Thesis	599-6 to 9 <sup>1</sup>	*	1	To be arranged			Staff
Dissertation	600-1 to 12 <sup>1</sup>	*	1	To be arranged			Staff
<sup>1</sup> Cross-listed with Physical Education for Women							
* Consent of department † Full quarter course							



Title	Course No. & Hours	Prerequisite	Section No.	Time	Days	Bldg. & Room No.	Instructor
<b>PHYSICS (PHYS) (Continued)</b>							
Radio	312-5	207 or 212	1	7:30-8:45 7:30-10:10	M WThF Tu	P 309 P 318	Staff Staff
Physical Optics	410-5	306; Math 306 or *	1	8:55-10:10 7:30-8:45 To be arranged	MTuWThF Tu Th	P 309 P 302	Mr Arvin Mr Arvin Staff
Special Projects I	420-2 to 5	302, 306	1	To be arranged			
Special Projects	520-2 to 5	501	1	To be arranged			Staff
Thesis	590-1 to 9	501	1	To be arranged			Staff
		* Consent of department		† Full quarter course			
				‡ Open only to seniors graduating in August, 1963			
<b>PHYSIOLOGY (PHSL)</b>							
Introductory Physiology	209-5	For nurses primarily	1	† 9:00-9:50 9:00-10:50	MTu Th W F	LS G16 LS 113	Mr Warner Mr Warner
Anatomy and Physiology of Speech and Hearing Mechanisms	414-4 <sup>2</sup>		1	7:30-8:45	MTuWThF	LS 113	Mr Kaplan
Electron Microscopy	440-3		1	8:55-10:10	TuWThF	LS 113	Mr Kaplan Staff
Special Problems	450-4		1	To be arranged			
Thesis	599-3		1	To be arranged			Staff
Doctoral dissertation	600-4		1	To be arranged			Staff
				† Full quarter course			
		<sup>1</sup> Cross-listed with Speech Correction					
<b>PLANT INDUSTRIES (PLI)</b>							
Landscape Gardening	304-3		1	10:20-11:35	MTu ThF	Ag 195	Mr Tucker

Soil and Water Conservation	306A-3 <sup>1</sup>											Mr Caster
Commercial Vegetable Production	340-4	264, Bot. 101	1	8:55-10:10	M	W	F	Ag 168	Ag 181	Ag 181		Mr Hillier
Special Studies in Plant Industries	390-1 to 3	*	1	11:45-2:25	MTu		Th	Ag 181				Mr Hillier
				To be arranged								Staff
Fertilizers and Soil Fertility (Lecture)	407A-3	103 or 301	1	7:30-8:45	M	W	F	Ag 172				Mr Vavra
Fertilizers and Soil Fertility (Lab)	407B-2	407A or concurrent enrollment	1	7:30-10:10		Tu	Th	Ag 167				Mr Vavra
Readings	520-1 to 6	*	1	To be arranged								Staff
Research	575-1 to 6	*	1	To be arranged								Staff
Thesis	599-2 to 9	*	1	To be arranged								Staff

<sup>1</sup> Cross-listed with Agricultural Industries

\* Consent of department

## PRINTING AND PHOTOGRAPHY (P & P)

Beginning Photography	260A-3 <sup>1</sup>		1	†	8:00-8:50	M	W	F	T27 R104	Ag 142		Mr Craig
			2	†	8:00-8:50	M	W	F	T27 R104	Ag 142		Mr Minnihan
					1:00-3:50			F				Mr Minnihan
Cinematography I	341A-3		1	1:10-2:25	MTuWTh			T27 R104				Mr Mercer
Workshop in Cinema Production	344A-2 to 6		1	2:35-3:50		Tu	W	T27 R100				Mr Mercer
Staff Photography	363A-2 to 6	*	1	To be arranged				T115				Mr Paine
Problems in Still Photography and Cinematography	390A-2 to 6	360A	1	1:10-2:25			F	T27 R104				Mr Craig
		*	1	To be arranged								Staff
PRINTING												
General Typography	217B-4 <sup>2</sup>		1	†	8:00-9:50	MTuWTh		T185				Mr Modlin

<sup>1</sup> Cross-listed with Journalism

<sup>2</sup> Cross-listed with Industrial Education

\* Consent of department

† Full quarter course



Title	Course No. & Hours	Prerequisite	Section No.	Time	Days	Bldg. & Room No.	Instructor
<b>PSYCHOLOGY (PSYC)</b>							
Principles and Methods of Psychology I	211-4	201 or GSB 202	1	8:00-9:50	M	T142	Mr Wagman
			T2	8:00-9:50	W	T142	Mr Wagman
Principles and Methods of Psychology II	212-4	211	1	10:00-11:50	W	T142	Mr Mitchell
Child Psychology	301-4	201	1	7:30-8:45	MTuWTh	Ag 216	Miss Rafferty
			2	10:20-11:35	MTuWTh	Ag 168	Miss Rafferty
Psychology of Personality	305-4	201	1	1:10-2:25	MTuWTh	Ag 116	Mrs Tyler
Social Psychology	307-4	201	1	10:20-11:35	MTuWTh	Ag 150	Mr Alexander
Personnel Psychology	322-4	201	T1	8:55-10:10	MTuWTh	Ag 150	Staff
Theories of Learning	407-4	212 or **	1	8:55-10:10	MTuWTh	Ag 216	Mr McHose
Psychopathology	431-4	305 or **	1	10:20-11:35	MTuWTh	Ag 216	Mr Martire
Mental Hygiene	432-4	305 or **	1	7:30-8:45	MTuWTh	HEc 122	Mr Roberts
Independent Projects	490-1 to 16	* and **	1	To be arranged			Staff
Advanced Psychopathology	531-4	530, 541, 542 and **	1	To be arranged		Anna State Hospital	Mr Tyler
Readings in Psychology	590-1 to 8	*	1	To be arranged			Staff
Research in Psychology	591-1 to 18	*	1	To be arranged			Staff
Practicum in Counseling Psychology	593F-1 to 4		1	To be arranged			Mr Graham
Practicum in Teaching of Psychology	593I-1		1	To be arranged			Mr Carrier
Practicum in Rehabilitation	593M-1 to 18		1	To be arranged			Staff
Practicum in Rehabilitation Counseling	593N-1 to 18		1	To be arranged			Mr Renzaglia
			2	To be arranged			Mr Doleys
Advanced Seminar: Measurement	595-1 to 8		1	To be arranged			Mr Hemingway
Advanced Seminar: Behavior Theory	595-1 to 8		2	To be arranged			Mr McHose
Advanced Seminar: Operant Behavior	595-1 to 8		3	To be arranged			Mr Wagman
Advanced Seminar: Physiological Psychology	595-1 to 8		4	To be arranged			Mr Mitchell
Master's Thesis	599-1 to 9		1	To be arranged			Staff
Doctoral Dissertation	600-1 to 16		1	To be arranged			Staff

† Full quarter course

\* Consent of department

\*\* Consent of instructor

## RADIO-TELEVISION (R-T)

Radio-Television Speaking	161-4	1	†	8:00-8:50	MTu	ThF	RadS A	Mr Richter
		2	†	1:00-1:50	MTu	ThF	RadS A	Mr Richter
Survey of Broadcasting	251-2	1	†	9:00-9:50	Tu	Th	A 207	Mr Holman
Fundamentals of Broadcast Writing	257-4	1	†	9:00-9:50	TuWThF		M 112	Mr Richter
Programs and Audiences	351-5	1		2:35-3:50	MTuWThF		T38 R103	Mr Holman
Laws and Policies	352-4	1		8:55-10:10	MTu	ThF	M 307	Mr Criminger
Radio and Television in Education	353-2	1		10:20-11:35	Tu	Th	M 207	Mr Robbins
Broadcast Persuasion Factors	355-3	1		11:45-1:00	M	W F	A 211	Mr Criminger
Television Announcing	361-2	1		7:30-8:45	Tu	Th	TVS	Mr Uray
Fundamentals of Television Production	368-3	1		10:20-1:00	M	W F	TVS	Mr Allen
Advanced Radio Production Laboratory	373-1 to 5	1		To be arranged			RadS	Mr Holman
Advanced Television Production Laboratory	374-1 to 5	1		To be arranged			RadS	Mr Uray
News casting	375A-4	1		11:45-1:00	MTuWTh		RadS A	Mr Mofield
Advertising and Sales	375C-3	1		2:35-3:50	M	WTh	P 111	Mr Mofield
Individual Research Problems	375J-1 to 4	1		To be arranged			RadS	Mr Mofield
Production Problems	375N-1 to 4	1		To be arranged			RadS	Mr Mofield
Television Station Management	394-5	1		1:10-2:35	MTuWThF		TVS	Mr Uray

\* Consent of department † Full quarter course

## RECREATION & OUTDOOR EDUCATION (REC)

Orientation to Parks and Recreation	T-100-4	T1		To be arranged			LG	Mr Bennett
Outdoor Recreation	220-4	1		To be arranged			LG	Mr Cross
Recreational Arts and Crafts	230-4	1		To be arranged			LG	Mr Majlinger
Programs in School Camping and Outdoor Education	301-4	1		To be arranged			LG	Mr Knapp
Maintenance and Repair of Recreation Areas, Facilities, and Equipment	305-4	1		To be arranged			LG	Mr Abernathy
Social Recreation	310-3	1		To be arranged			LG	Mr Bennett
Camp Leadership	311-2 to 6	1		To be arranged			LG	Staff

Title	Course No. & Hours	Prerequisite	Section No.	Time	Days	Bldg. & Room No.	Instructor
<b>RECREATION &amp; OUTDOOR EDUCATION (REC) (Continued)</b>							
Camp Leadership	311-2 to 6		2	To be arranged		LG	Staff
			3	To be arranged		LG	Staff
Playground Leadership (June 12-15)	312-2		1	To be arranged		LG	Mr Franklin
Playground Leadership	312-2 to 6	201	2	To be arranged		LG	Mr Franklin
Institutional Recreation Leadership	314-2 to 6	201	1	To be arranged		LG	Mr Bender
Recreational Dramatics	315-4		1	To be arranged		LG	Mr Taylor
Principles and Interpretations of Recreation	450-4		1	7:30-8:45	MTuWTh	M 306A	Mr O'Brien
Techniques in Camping	480-4		1	To be arranged		LG	Mr Taylor
School Camping and Outdoor Education Workshop	510-4		1	To be arranged		LG	Mr Taylor
Recreation Surveys and Planning of Facilities	540-4		1	10:20-11:35	MTuWTh	T84	Mr Freeberg
Field Studies—Community Recreation	550-2 to 6		1	1:10-2:35	MTuWTh	T84	Mr Freeberg
Field Studies	560-2 to 6		1	8:55-10:10	MTuWTh	H73	Mr Sharp
<b>REHABILITATION INSTITUTE</b>							
Students interested in graduate work in this field should consult Mr. Guy A. Renzaglia, Director, Rehabilitation Institute. Offices are located at 603 West Grand.							
<b>RELIGION (REL)</b>							
Teachings of Jesus	326-3		1	8:55-10:10	M W F	R1	Mr Queen
Christian Principles for Teachers	345-3		1	7:30-8:45	M W F	R1	Mr Hall

**RUSSIAN STUDIES**

Students interested in a minor in Russian studies should consult Mr. E. K. Kamarasy, Department of Government, academic adviser for the program.

**SECONDARY EDUCATION (S E D)**

Principles of Secondary Education	310-4	Guid. 305	1	7:30-8:45	MTuWTh	T:40 R115	Mr Fligor
			2	10:20-11:35	MTuWTh	T:40 R115	Mr Fligor
			3	1:10-2:25	MTuWTh	T:40 R115	Mr Smith
High School Methods	315-3		1	7:30-8:45	M W F	USch 41	Mr Mees
Readings in Secondary Education	375-2 to 3		1	To be arranged			Staff
Aero Space Education Workshop (August 12-23)	402-4 <sup>1</sup>		1	8:55-11:35	MTuWThF	HEc 206	Mr Collins and
The Junior High School	407-4		1	1:10-3:50	MTuWThF	HEc 206	Mr Samford
Teaching Reading in High School	440-3		1	8:55-10:10	MTuWTh	T:40 R115	Mr Edwards
Workshop in Economic Education (August 12-23)	490-4 <sup>2</sup>		1	10:20-11:35	M W F	T:40 R114	Mr Haefer
			1	8:55-11:35	MTuWThF	HEc 203	Mr Martinek
			1	1:10-3:50	MTuWThF	HEc 203	Mr Martinek
Improvement of Reading Instruction	505-4 <sup>1</sup>		1	8:55-10:10	MTuWTh	T:40 R101	Mr Karlin
Readings in Reading	507-2 to 4 <sup>1</sup>		1	To be arranged			Mr Karlin
Supervision of Student Teachers in the Secondary School (June 17-July 12)	T:518-2		T1	10:20-11:35	MTuWTh	HEc 306	Mr Smith
NDEA Summer Institute for Teachers of German (June 24-August 9)	544-9 <sup>3</sup>		1	7:40-12:25	MTuWThF	Wh 1	Mr Liedloff
New Developments in Industrial Education Program Development and Improvement Through State and Local Co-operation (June 18-27)	560-2 <sup>4</sup>		1	2:00-5:05	MTuWThF	Wh 1	Mr Liedloff
Improvement of Instruction Through Curriculum Development (July 1-11)			1	10:20-11:35	TuWThF	HEc 202	Mr Wheeler
The Most Rapidly Expanding Phase of Education—Research (July 16-25)			2	1:10-2:25	MTuWTh	HEc 202	Mr Wheeler
Power Mechanics (July 30-August 8)			3	10:20-11:35	MTuW F	HEc 202	Mr Curry
			3	1:10-2:25	TuWThF	HEc 202	Mr Curry
			4	10:20-11:35	MTuWTh	HEc 202	Mr Evans
			4	1:10-2:25	TuWThF	HEc 202	Mr Evans
Workshop: Secondary School Curriculum	562-4		1	10:20-11:35	MTuWTh	HEc 202	Mr Atterberry
High School Principalship	564-4		1	1:10-2:25	TuWThF	HEc 202	Mr Atterberry
Individual Research (Curriculum)	575A-4		1	7:30-8:45	MTuWTh	T:40 R114	Mr Samford
Individual Research (Supervision)	575B-4		1	1:10-2:25	TuWTh	M 214	Mr Dykhouse
Individual Research (Language Arts)	575C-4		1	To be arranged			Mr Smith
Individual Research (Science)	575D-4		1	To be arranged			Mr Smith
Individual Research (Reading)	575E-4		1	To be arranged			Mr Smith
Individual Research (Social Studies)	575F-4		1	To be arranged			Mr Smith
Individual Research (Secondary Education)	575G-4		1	To be arranged			Mr Smith
Independent Investigation	596-5 to 9		1	To be arranged			Mr Samford
Thesis	597-1 to 3		1	To be arranged			Mr Samford

Title	Course No. & Hours	Prerequisite	Section No.	Time	Days	Bldg. & Room No.	Instructor
<b>SECONDARY EDUCATION (S ED) (Continued)</b>							
Thesis	598-1 to 3		1	To be arranged			Mr. Samford
Thesis	599-1 to 3		1	To be arranged			Mr. Samford
Dissertation	600-1 to 14		1	To be arranged			Mr. Samford
		<sup>1</sup> Cross-listed with Elementary Education					
		<sup>2</sup> Cross-listed with Economics					
		<sup>3</sup> Cross-listed with Foreign Languages (Ger)					
		<sup>4</sup> Cross-listed with Industrial Education					
<b>Secondary Student Teaching (S Ed)</b>							
Sec. Student Teaching Agriculture	352a-4 to 8		1	To be arranged			Staff
Sec. Student Teaching Art	352a-4 to 8		2	To be arranged			Staff
Sec. Student Teaching Biology	352a-4 to 8		3	To be arranged			Staff
Sec. Student Teaching Business	352a-4 to 8		4	To be arranged			Staff
Sec. Student Teaching Chemistry	352a-4 to 8		5	To be arranged			Staff
Sec. Student Teaching Economics	352a-4 to 8		6	To be arranged			Staff
Sec. Student Teaching English	352a-4 to 8		7	To be arranged			Staff
Sec. Student Teaching Foreign Lang.	352a-4 to 8		8	To be arranged			Staff
Sec. Student Teaching General Sci.	352a-4 to 8		9	To be arranged			Staff
Sec. Student Teaching Geography	352a-4 to 8		10	To be arranged			Staff
Sec. Student Teaching Government	352a-4 to 8		11	To be arranged			Staff
Sec. Student Teaching Health Educ.	352a-4 to 8		12	To be arranged			Staff
Sec. Student Teaching History	352a-4 to 8		13	To be arranged			Staff
Sec. Student Teaching Home Econ.	352a-4 to 8		14	To be arranged			Staff
Sec. Student Teaching Ind. Educ.	352a-4 to 8		15	To be arranged			Staff
Sec. Student Teaching Journalism	352a-4 to 8		16	To be arranged			Staff
Sec. Student Teaching Mathematics	352a-4 to 8		17	To be arranged			Staff
Sec. Student Teaching Music	352a-4 to 8		18	To be arranged			Staff
Sec. Student Teaching Phys. Educ.	352a-4 to 8		19	To be arranged			Staff
Sec. Student Teaching Physics	352a-4 to 8		20	To be arranged			Staff
Sec. Student Teaching Sociology	352a-4 to 8		21	To be arranged			Staff
Sec. Student Teaching Social Studies	352a-4 to 8		22	To be arranged			Staff
Sec. Student Teaching Speech	352a-4 to 8		23	To be arranged			Staff





Title	Course No. & Hours	Prerequisite	Section No.	Time	Days	Bldg. & Room No.	Instructor
<b>SECRETARIAL AND BUSINESS EDUCATION (SEC) (Continued)</b>							
Teaching Typewriting	403-3	104	1	11:45-1:00	MTu Th	T32 R103	Mr West
Teaching Basic Business Subjects	405-3		1	7:30-8:45	WThF	M 108	Mr Buboltz
Teaching Bookkeeping and Accounting	408-3	Acct 253	1	10:20-11:35	MTu Th	M 108	Mr Bauernfeind
Readings in Business Education	500-2 to 5		1	To be arranged		T32 R115	Mr West
Individual Research in Business Education	501-2 to 5		1	To be arranged		T32 R115	Mr West
Principles and Problems of Business Education	506-4	502 or Ed Ad 500	1	8:55-10:10	M WThF	M 108	Mr Buboltz
† Full quarter course							
<b>SMALL BUSINESS INSTITUTE</b>							
Students interested in a program of studies in this field should consult Mr. Ralph Bedwell, Director, Small Business Institute. Offices are located at 801 West Mill.							
<b>SOCIOLOGY (SOC)</b>							
Community Organization	333-4	101	1	8:55-10:10	TuWThF	M 102	Mr Rennie
The Family	340-4	101	1	10:20-11:35	MTuWTh	M 102	Miss Snyder
Juvenile Delinquency	373-4	101	1	7:30-8:45	MTu ThF	M 102	Mr Petroff
Introduction to Social Work	380-4	101	1	8:55-10:10	MTu ThF	HEc 120	Mr Eades
Integrated Sociology	407-4	15 hrs in Soc	1	7:30-8:45	M WThF	M 106	Mr Johnson
Social Factors in Behavior and Personality	426-4	8 hrs in Soc	1	10:20-11:35	MTuW F	HEc 120	Mr Campisi
Current Problems in Corrections	483-2		1	To be arranged			Mr Frank
The American Correctional System	489A-3		1	To be arranged			Mr Alexander
Sociology of Bureaucracy	539-4	15 hrs Soc	1	To be arranged			Mr Snyder
Supervised Field Work in Corrections	583-3	*	1	To be arranged			Mr Vander Wiel
Individual Research	591-2 to 6	*	1	To be arranged			Staff
Readings in Sociology	596-2 to 6	*	1	To be arranged			Staff

Thesis	599-2 to 9	*	1	To be arranged	Staff
Dissertation	600-4 to 12	*	1	To be arranged	Staff
* Consent of department					

### SPECIAL EDUCATION (SPE)

Problems and Characteristics of the Mentally Retarded	410-4	*	1	7:30-8:45	MTuWTh	A 207	Mr Frey
Directed Observation of Exceptional Children	413-4	*	1	8:55-11:35	M W	A 209	Mr Frey
The Exceptional Child	414-4		1	11:45-1:00	MTuWTh	HEc 201	Miss McKay
Workshop in Special Education (The Gifted Child—July 15-26)	418-4		1	8:00-3:00	MTuWThF	USch	Mr Kolstoe
Communication Problems for the Deaf and Hard of Hearing	419-4 <sup>1</sup>		1	10:00-12:00	MTuWThF	LG	Mr Brutton
Methods and Materials for Teaching Exceptional Children	420-4		1	7:30-8:45	MTuWTh	M 202	Staff
Speech Correction for the Classroom Teacher	428-4		1	1:10-2:25	MTu ThF	T41 R102	Mr Brackett
Special Research Problem	501-4		1	To be arranged			Staff
Organization and Administration and Supervision of Special Classes	513-4		1	10:20-11:35	MTuWTh	M 206	Mr Kolstoe
Practicum in Special Education	577-4		1	7:30-12:00	MTuWTh	USch	Miss McKay
Independent Investigation	596-4		1	To be arranged			Staff
Thesis	599-5 to 9		1	To be arranged			Staff

\* Consent of department

<sup>1</sup> Cross-listed with Speech Correction

### SPEECH (SPCH)

Principles of Discussion	202-3		1	10:00-10:50	MTu Th	M 112	Mr McClerren
American Public Address I	407-4		1	7:30-8:45	MTuWTh	T38 R103	Mr Bradley

Title	Course No. & Hours	Prerequisite	Section No.	Time	Days	Bldg. & Room No.	Instructor
<b>SPEECH (SPCH) (Continued)</b>							
Psychology of Speech	408-4		1	8:55-10:10	MTuWTh	T38 R103	Mr Breniman
Secondary School Forensic Program	427-4		1	1:10-2:25	MTuWTh	T38 R103	Mr Breniman
General Semantics	449-4		1	8:55-10:10	MTuWTh	T38 R102	Mr Bradley
Seminar: Persuasion and Social Control	510-4		1	10:20-11:35	TuWThF	T38 R103	Mr Micken
Research Problems	530-1 to 4		1	To be arranged			Staff
Thesis	599-2 to 9		1	To be arranged			Staff
				† Full quarter course			
<b>SPEECH CORRECTION (SPC)</b>							
Independent Study in Speech Correction and Audiology	400-1 to 4	Jr standing	1	To be arranged		T61	Staff
Practicum in Speech and Hearing Therapy	405c-2 to 4	Jr standing	1	To be arranged		T61	Staff
Techniques and Interpretation of Hearing Tests	406-4	Jr standing	1	1:10-2:25	MTu ThF	T61	Mr Atkinson
Anatomy and Physiology of Speech and Hearing Mechanisms	414-4 <sup>1</sup>	Jr standing	1	7:30-8:45	MTuWThF	LS 113	Mr Kaplan
Aphasia	415-4	Jr standing	1	8:55-10:10	MTu ThF	T61	Mr Hoshiko
Communication Problems of the Deaf and Hard of Hearing	419-4 <sup>2</sup>	406	1	10:00-12:00	MTuWThF	LG	Mr Brutton
Speech Correction for Classroom Teacher	428-4 <sup>2</sup>	Jr standing	1	1:10-2:25	MTu ThF	T41 R102	Mr Brackett
Reading in Speech Pathology (Voice Problems)	515-1 to 4		1	2:35-3:50	Tu F	T61	Mr Brackett
Seminar in Residual Hearing	516-1 to 4		1	7:30-8:45	MTu ThF	T61	Mr Atkinson
Seminar in Artic and Delayed Speech	521-1 to 4		1	1:10-2:25	M Th	T156	Mr Anderson
Seminar in Organic Speech Problems: Cleft Palate	522-1 to 4		1	10:00-12:00	MTuWThF	LG	Mr Koepp-Baker
Research Problems in Speech Correction	530-1 to 4		1	To be arranged		T156	Mr Brutton
Seminar in Speech Science	533-1 to 4		1	To be arranged		T61	Mr Hoshiko
Thesis	599-2 to 9		1	To be arranged			Staff

<sup>1</sup> Cross-listed with Physiology<sup>2</sup> Cross-listed with Special Education**THEATER (THEA)**Dramatic Activities  
Theater Practicum308-1 to 3  
322-12

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To be arranged  
8:30 am to 10 pmMTuWThF  
T36  
T36Staff  
StaffAdvanced Directing  
Advanced Technical Problems  
Theater Practicum  
Research Problems in Theater  
Thesis502-4  
503-4  
519-12  
530-1 to 4  
599-2 to 9

402A

1  
1  
1  
1  
11:10-2:25  
11:45-1:00  
8:30 am to 10 pm  
To be arranged  
To be arrangedMTuW F  
MTuW F  
MTuWThF  
T36  
T36Mr Abrams  
Mr Zoecckler  
Staff  
Staff  
Staff

\* Consent of department

**TRANSPORTATION INSTITUTE**

Students interested in this field should consult Mr. Alexander R. MacMillan, Director, Transportation Institute. Offices are located at 211 East Pearl.

**ZOOLOGY (ZOOI)**Entomology  
Conservation of Biological Resources  
Problems in Zoology306-4  
312-3  
322-2 to 5

102

1  
one course Bot  
or Zool  
4.25 avg, Sr standing  
and \*7:30-8:45  
7:30-10:10  
1:10-2:25  
To be arrangedTu Th  
M W F  
M W F  
LS 323  
LS 213  
LS 205  
LS 209Staff  
Staff  
Staff  
StaffNatural History of Invertebrates  
Natural History of Vertebrates402-4  
403-4one yr Zool  
one yr Zool1  
1  
12:35-3:50  
1:10-3:50  
7:30-8:45  
7:30-10:10M W  
Tu Th  
Tu Th  
M W  
LS 205  
LS 213  
LS 204  
LS 204Staff  
Staff  
Staff  
Staff

Title	Course No. & Hours	Prerequisite	Section No.	Time	Days	Bldg. & Room No.	Instructor
<b>ZOOLOGY (ZOO L) (Continued)</b>							
Zoology Field Studies Herpetology	404-4 to 8 408-4	* one yr Zool	1 1	To be arranged 2:35-3:50 1:10-3:50	M W Tu Th	LS 208 LS 208	Staff Staff Staff
Animal Biology for High School teachers of Biology (NSF) Animal Behavior	501-4 579-4	one yr biology *	1 1	10:20-11:35 8:55-11:35 10:20-11:35 8:55-11:35	M W Tu Th M W Tu Th	LS 213 LS 213 LS 205 LS 130	Staff Staff Staff Staff
Special Research in Zoology Research and Thesis	596-3 to 12 599-2 to 9	* *	1 1	To be arranged To be arranged		LS 209 LS 209	Staff Staff
Research and Dissertation	600-3 to 12	* * Consent of department	1	To be arranged		LS 209	Staff
<b>VOCATIONAL TECHNICAL INSTITUTE (VTI)</b>							
<b>General Studies Area A—Man's Physical Environment and Biological Inheritance (GSA)</b>							
Energy and Particles I	101-3		A1	1:00-1:50	M W F	U-2	Staff
<b>General Studies Area B—Man's Social Inheritance and Social Responsibilities (GSB)</b>							
Culture, Behavior, and Society Political Economy II	202-3 212-3		A1 A1	11:00-11:50 12:00-12:50	M W F M W F	C-7 C-7	Staff Staff
<b>General Studies Area D—Organization and Communication of Ideas (GSD)</b>							
English Composition English Composition	100-0 101-3		A1 A1	11:00-11:50 11:00-11:50	M W F M W F	C-5 C-8	Staff Staff



English Composition  
 Principles of Oral Communication  
 Fundamentals of Mathematics I  
 Trigonometry

A1 1:00-1:50 M W F C-7 Staff  
 A1 1:00-1:50 M W F C-8 Staff  
 A1 12:00-12:50 M W F C-6 Staff  
 A1 2:00-2:50 M W F C-6 Staff

**Mathematics (MATH)**

Elementary Mathematics

A1 12:00-12:50 M W F C-8 Staff

**Vocational-Technical Institute Technical Courses (VTI)**

Automotive Engines  
 Internal Combustion Engines  
 Transmissions and Drive Trains

1 8:00-10:50 MTuWThF Auto Shop 2 Mr Willey  
 1 11:00-11:50 MTuWThF Shop 2 Clrm Mr Willey  
 1 11:00-11:50 M W F Shop 1 Clrm Mr Willey

Drive Trains

1 8:00-10:50 MTuWThF Auto Shop 1 Mr Willey

Accounting I  
 Secretarial Accounting  
 Fundamentals of Business  
 Business Law I

1 2:00-3:50 MTuWThF C-1 Mr Vaughn  
 1 11:00-11:50 MTuWThF C-1 Mr Johnston  
 1 10:00-10:50 MTuWThF C-1 Mr Cundiff  
 1 9:00-9:50 MTuWTh C-6 Mr Cundiff

Intermediate Accounting II  
 Office Supervision and Administration  
 Record Keeping

1 10:00-10:50 MTuWThF C-2 Mr Vaughn  
 1 8:00-8:50 MTuWThF C-5 Mr Bizzel  
 1 10:00-10:50 MTuWThF C-7 Mr Bizzel  
 2 1:00-1:50 MTuWThF C-1 Mr Bizzel  
 1 11:00-11:50 MTuWThF C-5 Mr Cundiff

Credits and Collections

1 1:00-4:50 MTuWThF Cos Lab II Mrs Cassidy  
 1 8:00-11:50 MTuWThF Cos Lab II Mrs Frailey  
 2 9:00-12:50 MTuWThF Cos Lab I Mrs McVey  
 3 1:00-4:50 MTuWThF Cos Lab I Mrs Hedges  
 1 12:00-12:50 MTuWThF Cos Clrm Mrs Cassidy

Cosmetology Laboratory III  
 Cosmetology Laboratory IV

1 1:00-4:50 MTuWThF Cos Lab II Mrs Cassidy  
 1 8:00-11:50 MTuWThF Cos Lab II Mrs Frailey  
 2 9:00-12:50 MTuWThF Cos Lab I Mrs McVey  
 3 1:00-4:50 MTuWThF Cos Lab I Mrs Hedges  
 1 12:00-12:50 MTuWThF Cos Clrm Mrs Cassidy

Cosmetology Theory III

1 12:00-12:50 MTuWThF Cos Clrm Mrs Cassidy

Title	Course No. & Hours	Prerequisite	Section No.	Time	Days	Bldg. & Room No.	Instructor
<b>VOCATIONAL-TECHNICAL INSTITUTE Technical Courses (VTI) (Continued)</b>							
Cosmetology Theory IV	128C-5	127C	1 2 3	2:00-2:50 8:00-8:50 10:00-10:50	MTuWThF MTuWThF MTuWThF	Cos Clrm Cos Clrm Cos Clrm	Mrs Frailey Mrs McVey Mrs Hedges
Engineering Graphics I	101D-5		1	9:00-11:50	MTuWThF	T-1	Mr Beauchamp
Material and Methods of Construction I	151D-3	110D	1	8:00-11:50 11:00-11:50	Tu Th W	T-7 T-7	Mr Lougeay Mr Lougeay
Technical Drafting I	175D-3		1	8:00-8:50	MTuWThF	T-1	Mr Beauchamp
Architectural Design II	220D-4	121D	1	8:00-10:50	M W F	T-7	Mr Lougeay
Mechanics and Strength of Material	247D-4	110G	1	1:00-1:50	MTuWTh	T-6	Mr Lougeay
Introductory Woodworking	101F-2 to 8		1	8:00-11:50	M W F	Wood Clrm	Mr Osborn
Wood Technology	128F-4		1	8:00-10:50 1:00-1:50 1:00-2:50	Tu Th M W Tu Th	Wood Lab Wood Clrm Wood Clrm	Mr Osborn Mr Rice Mr Rice
Calculating Machines I	101K-3		1	9:00-9:50	MTuWThF	C-9	Mr Johnston
Calculating Machines II	102K-3	101	1	1:00-1:50	MTuWThF	C-9	Mr Johnston
Engine Lathe and Bench Laboratory	101M-5		1	9:00-11:50	MTuWThF	Machine Shop Clrm	Mr Muhich
Engine Lathe and Bench Theory	125M-5		1	8:00-8:50	MTuWThF	Machine Shop Clrm	Mr Soderstrom
Manufacturing Processes I	176M-3		1	1:00-1:50	M W F	Machine Shop Clrm	Mr Soderstrom
Milling Machine Laboratory	201M-5		1	9:00-11:50	MTuWThF	Machine Shop Lab	Mr Muhich
Milling Machine Theory	225M-3		1	8:00-8:50	M W F	Machine Shop Clrm	Mr Muhich
Metallurgy I	275M-3		1	1:00-1:50	MTuWThF	Weld Lab	Mr Dallman

Clinical Theory & Practice III	105P-8	1	To be arranged 1:00-4:00	M	Th	Hospital C-11	Staff Mrs Fische Staff
		2	To be arranged 1:00-4:00	Tu	F	Hospital C-11	Mrs Chiodini Staff
		3	To be arranged 1:00-4:00	M	Th	Hospital Hospital	Mrs Mitchell
Introduction to Retailing	124R-4	1	1:00-1:50	MTuWTh		C-4	Mr Moore
Product Analysis	176R-3	1	9:00-9:50	M W F		C-4	Mr Moore
Product Information Laboratory	177R-3 to 15	1	10:00-10:50	MTuWThF		C-4	Mr Moore
Co-operative Work Experience	201R-5 to 20	1	To be arranged				Mr Elder
Co-operative Work Experience	201R-4 to 20	2	To be arranged				Mrs Burnett
Typewriting I	101S-3	1	8:00-8:50	MTuWThF		C-10B	Mrs Miriani
Typewriting II	102S-3	1	1:00-1:50	MTuWThF		C-10B	Mrs Miriani
Filing and Duplicating	107S-2	1	2:00-2:50	MTuWTh		C-10B	Mr Bizzel
Dictation I	204S-5	1	8:00-8:50	MTuWThF		C-10A	Miss Garrison
Transcription I	207S-2	1	9:00-9:50	MTuWThF		C-10A	Miss Garrison
Typewriting V	208S-3	1	10:00-10:50	MTuWThF		C-10A	Miss Garrison
Transmitters and Receivers Circuitry	103T-7	1	8:00-10:50	MTuWThF		U-6	Mr Caldwell
Transmitter and Receivers	127T-5	1	1:00-1:50	MTuWThF		U-7	Mr Caldwell
Circuit Analysis and Test Equipment	201T-5	1	10:00-11:50	MTuWThF		U-4	Mr Schultz
Principles of Circuit and Diagnosis Test Equipment	225T-5	1	9:00-9:50	MTuWThF		U-7	Mr Schultz
Oxy-Acetylene Welding Shop	101W-2 to 7	1	8:00-11:50	MTuWThF		Weld Shop	Mr Dallman
Arc Welding Shop I	102W-2 to 7	1	8:00-11:50	MTuWThF		Arc Shop	Mr Christensen
Theory of Acetylene Welding	125W-3	1	11:00-11:50	MTuWThF		Weld Clrm	Mr Dallman
Theory of Arc Welding	126W-3	1	11:00-11:50	M W F		Bldg 4 Clrm	Mr Christensen
Complete Denture Construction	103Y-9	1	8:00-12:50 8:00-11:50	M TuWThF		Lab B Lab B	Mr Bykowski Mr Bykowski





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