ANNOUNCEMENTS
1957-1958

SOUTHWESTERN ILLINOIS
RESIDENCE OFFICE
of
Southern Illinois University

ALTON RESIDENCE CENTER
BELLEVILLE RESIDENCE CENTER
EAST ST. LOUIS RESIDENCE CENTER
DIVISION OF UNIVERSITY EXTENSION
DIVISION OF TECHNICAL AND ADULT EDUCATION

SOUTHWESTERN ILLINOIS RESIDENCE OFFICE
Suite 227, Broadview Hotel, East St. Louis, Illinois
BOARD OF TRUSTEES

Term Expires

John Page Wham, Chairman, Centralia 1959
Lindell W. Sturgis, Vice-Chairman, Metropolis 1959
Melvin C. Lockhard, Secretary, Mattoon 1959
Stella Collins, West Frankfort 1961
Kenneth L. Davis, Harrisburg 1957
Harold R. Fischer, Granite City 1957
Martin F. Oehmke, Belleville 1961
Vernon L. Nickell, (Ex-Officio), Springfield
Louise Morehouse, Recorder

OFFICERS OF INSTRUCTION

President, Delyte W. Morris, Ph. D. (Iowa), 1948
Vice-President for Instruction, Charles Tenney, Ph. D. (Oregon), 1931
Executive Dean, Harold W. See, Ed.D. (Indiana), 1955
Supervisor Adult and Technical Education, Chelsea Bailey, M.S. (Cincinnati), 1957
RESIDENCE CENTER CALENDAR
1957–1958

FALL QUARTER, 1957

Pre-Registration . . . . . Wednesday–Thursday, August 7–8
Registration . . . . . . Monday–Friday, September 16–20
Freshman Orientation . . . . . Monday, September 23
Evening Classes Begin . . . . . Monday, September 23
Day Classes Begin . . . . . Tuesday, September 24
Late Registration Closes . . . . . Friday, October 4
Thanksgiving . . . . . Wednesday, 12:00 noon–Monday, 8 A.M.
                   November 27–December 1
Final Examinations . . . . . Thursday–Tuesday, December 12–17

WINTER QUARTER, 1958

Quarter Begins . . . . . . . . . Thursday, January 2
Final Examinations . . . . . Friday–Wednesday, March 14–19

SPRING QUARTER, 1958

Quarter Begins . . . . . . . . . Wednesday, March 26
Memorial Day Holiday . . . . . . . . . . Friday, May 30
Final Examinations . . . . . Friday–Wednesday, June 6–11

Registration at the Belleville Residence Center will be at the first class meeting during the week of September 23.
Registration for Adult Education classes as announced. See the following pages for calendar of Industrial Management Programs.
FOREWORD

On June 25, 1957, the Board of Trustees of Southern Illinois University authorized the establishment of the Southwestern Illinois Residence Office with the stated responsibility of co-ordinating and administering the total educational program being developed by Southern Illinois University in greater Madison and St. Clair Counties, Illinois. At the present time, all Residence Centers of Southern Illinois University are located in Madison and St. Clair Counties. This two-county area in southwestern Illinois is known for its industrial activity and growth, particularly in the field of heavy industry. In addition to this factor, it is one of the most rapidly expanding areas from the standpoint of both population and economy in the state of Illinois.

On July 1, 1957, full realization of the Residence Center concept emerged with the opening of a summer session in the Alton Residence Center. Prior to that time, the activities of the Residence Centers had been limited to late afternoon and evening classes.

HISTORY

The first Residence Center to be established was in Belleville in 1948 at the request of local educators to help in meeting the increased needs for trained teachers. From 1948 through the year 1955, the program was limited to ten to twelve classes almost exclusively for in-service training of teachers. In September of 1956, an expansion of the Residence Center concept began to take place with the offering of numerous non-credit adult courses, the development of the industrial management program, and other service activities for the community in general. In 1957 the Board of Trustees at Southern Illinois University decided to inaugurate a program that could more nearly meet the total educational need of the greater Madison-St. Clair Counties area.

ORGANIZATION

It is the responsibility of the Southwestern Illinois Residence Office to co-ordinate and administer all educational activities sponsored by Southern Illinois University in the greater Madison-St. Clair Counties area. Some of the college level activities are adult and technical education, extension courses, consultative services, area services including community development, and the Residence Centers offering courses leading toward degrees at the undergraduate level and graduate work in selected fields.
Foreword

ACADEMIC STANDING

Southern is accredited by the Commission on Colleges and Universities of the North Central Association in Group IV (as a University), the American Association of Colleges for Teacher Education, the Association of American Colleges, and the National Association of Schools of Music.

SOUTHERN ILLINOIS UNIVERSITY BULLETIN

Students attending any educational facility administered by the Southwestern Illinois Residence Office are expected to familiarize themselves with all information contained in the Southern Illinois University Bulletin. Academic conditions and rules as contained in the Bulletin apply to all Southern Illinois University students without regard as to the location where the students are taking their educational training.

Courses offered by the Southwestern Residence Center facilities are the same as those offered on the Carbondale campus. Course descriptions contained in these announcements are the same as those appearing in the Southern Illinois University Bulletin. Only those descriptions are included for courses to be offered during the 1957-58 school year. Descriptions for all courses offered by the University may be found in the Southern Illinois University Bulletin.
GENERAL INFORMATION

ADMISSION

Students who plan to attend either the Alton or East St. Louis Residence Center should contact the respective Admissions Office for entrance requirements. Students who plan to enroll at the Belleville Residence Center may apply for admission or re-admission at the first meeting of the course in which they expect to enroll.

New Students

High school graduates who have had no previous college work should secure the admission forms from either of the Residence Centers. They should also have high school transcripts sent to the Admissions Office at the Center where they expect to enroll.

Transfer students should have official transcripts from each college or university previously attended sent to the appropriate Admissions Office.

Southern Illinois University Students

Former students as well as students currently enrolled on the Carbondale Campus should also contact the Admissions Office at either Alton or East St. Louis. Records for such students will be forwarded to the appropriate Residence Center for admission purposes.

More specific information about admission policies and procedures may be obtained from Admission Policies and Procedures of Southern Illinois University. This booklet is available at each of the Residence Centers.

REGISTRATION INFORMATION

Pre-registration for all students will be held on Wednesday and Thursday, August 7 and 8, between the hours of 8 A.M. and 4 P.M., and from 7 to 9 P.M., Wednesday, August 7. Advisers will be present to help students plan their programs. All students wishing to take courses at either the undergraduate or graduate level are urged to contact either the Alton or East St. Louis Residence Center on August 7 and 8 concerning their needs and desires in course offerings. They should, of course, contact the Center they plan to attend. Pre-registration, which consists of advisement and tentative assignment to classes, will make it possible to modify course offerings to meet specific needs and will expedite the regular registration procedure.
Regular registration for all students will be held at the Alton and East St. Louis Residence Centers, Monday through Friday, September 16-20, from 8 a.m. to 4 p.m. and 7 p.m. to 9 p.m. Registration in the Belleville Residence Center will be held on the night of the first class session.

Details of pre-registration and regular registration for the winter and spring quarters will be announced at a later date.

Late registration for the fall quarter will extend from September 24 to October 4, inclusive. A student registering after September 23 will be assessed a late registration fee. The late fee will be $2.00 for the first day and $1.00 for each additional day thereafter to a maximum of $5.00.

The exception to the above rule is for students registering for only evening or Saturday classes. These students may register on the first meeting date of the class without a late fee payment. Students registering for only evening or Saturday classes who register after the first meeting date of the class will be assessed a $2.00 late fee for the first calendar day after the class meeting and an additional $1.00 for each day thereafter to a maximum of $5.00.

Fees

Fees for the Fall Quarter

Students taking more than 8 quarter-hours will pay the following regular fees:

- Tuition ................................................................. $35.00
- Book Rental ......................................................... 5.00
- Activity Fee ......................................................... 9.50
- Student Union Building Fund ................................. 4.00

Total ................................................................. $53.50

Students taking eight or fewer quarter-hours will pay half tuition and book rental, will have an option of paying the activity fee, and will pay the full Student Union Building Fund fee. A part-time student, then, will pay either $24.00 or $33.50. Part-time students in evening school may take up to eight hours of work on the half-tuition basis.

Out-of-state students are subject to an additional fee of $48.00 if taking more than eight quarter-hours and $24.00 if taking eight hours or less.

Belleville Residence Center Fees

The tuition rate at the Belleville Residence Center is $7.00 per quarter-hour, with a matriculation fee of $5.00 for graduate students.
General Information

registering for the first time at Southern Illinois University (there is no matriculation fee for undergraduate students). There is also a $1.05 textbook rental fee per course.

Extension Fees

The tuition rate for extension courses is $5.00 per quarter-hour, with a matriculation fee of $5.00 for graduate students registering for the first time at Southern Illinois University (there is no matriculation fee for undergraduate students). There is also a $1.05 textbook rental fee per course.

Adult Education Fees

The tuition rate for adult classes is at the rate of fifty cents per clock hour of instruction. For laboratory courses, a fee of thirty cents per clock hour of instruction is charged. Where textbooks are furnished by the University, a rental fee of $1.05 per course is charged. In most cases textbooks are not furnished by the University and must be purchased by the student.

Student Load

The normal load for a student for a twelve-week term is sixteen quarter-hours, with a maximum of eighteen. A person may not register for more than eight quarter-hours if he is employed full time. A student with a 4.25 average the preceding term may be allowed by the dean of his academic unit to take as many as twenty-one hours. In no case may a student carry, or be credited with, more than twenty-one hours in any term. A student on probation may not take more than fourteen hours.

Textbook Rental Service

As part of the services of the University Libraries a textbook rental system is operated for the benefit of students. Each quarter students are provided with the basic textbooks required for their courses. The fee for this service is included in the fees paid at the time of registration. 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 a reduced cost.

Student Work Opportunities

The Office of Student Affairs assists students in obtaining employment to defray a portion of their educational expenses, as well as to gain experience while working. On-campus jobs are available in the following fields: (1) clerical, typing, and stenographic; (2) library and
Southwestern Illinois Residence Office

laboratory; (3) janitorial, maintenance and repair; and (4) special and miscellaneous services.

In addition to on-campus work opportunities, the Office of Student Affairs helps students obtain private employment in temporary or part-time jobs in the community and area. Requests for student employment application forms should be directed to the Supervisor of Student Affairs.
DEGREE REQUIREMENTS

NOTE: FOR SPECIFIC REQUIREMENTS in each major and minor subject area refer to the Southern Illinois University General Catalog.

GENERAL REQUIREMENTS FOR THE BACHELOR'S DEGREE

Each candidate for the degree must complete 192 hours of credit in approved courses. **At least 64 must be in senior college courses, of which 48 must be earned in residence.** Each student must have a “C” average and grades not lower than “C” in subjects aggregating at least three-fourths of the work. A “C” average is required in the major subject. These averages are required for the credit made at Southern as well as for the total record.

The following requirements should be met by degree candidates of all colleges and schools within the first two years of attendance:

* Social Studies—20 quarter-hours (work in 4 departments required)
  - Economics, 5 hours
  - Geography, 5 hours
  - Government, 5 hours
  - History, 5 hours
  - Sociology, 5 hours

* Humanities—18 quarter-hours
  - English 101, 102, 103, 9 hours
  - English 205, 206, 209, 211, 212, 6 hours
  - Art 120 or Music 100, 3 hours

**NOTE:** The student is also advised to complete the foreign language requirement for the Bachelor's degree within the first two years. (This applies only to those students taking programs requiring a foreign language.)

* Biological Sciences—9 quarter-hours
  - Health Education 100, 4 hours
  - Botany 101, 202, or Zoology 100, 5 hours

* The State of Illinois requires that American patriotism and the principles of representative government, as enunciated in the American Declaration of Independence, the Constitution of the United States of America, and the Constitution of the State of Illinois, and the proper use and display of the American flag shall be taught in all public schools and other educational institutions which are maintained in whole or in part by public funds, and that no student shall receive a certificate of graduation without passing a satisfactory examination upon such subjects. Government 101 and 300 and History 201 and 330 offer such instruction.
Mathematics and Physical Sciences—12 quarter-hours
Chemistry, Mathematics, Physics (to be selected from two departments)
Practical Arts and Crafts—3 quarter-hours
Agriculture, Business Administration, Home Economics, Industrial Education (not required if the student has had any of this work in high school)
* Physical Education—6 quarter-hours activity courses

GENERAL REQUIREMENTS FOR THE MASTER'S DEGREE

Students desiring to pursue a Master's degree program through the Residence Centers may take the equivalent of 50 per cent of their course work in evening classes at the Alton, Belleville, and East St. Louis Residence Centers. The remaining twenty-four hours of course work necessary for the Master's degree must be taken in one of the Southern Illinois University summer sessions. Twelve hours of the summer session work may be taken in one of the Residence Center summer sessions. However, at least one summer session toward the Master's degree must be completed on the Carbondale campus.

Forty-eight quarter-hours of acceptable graduate credit are required for the Master's degree, except in fine arts, where sixty quarter-hours are necessary, and in psychology and rehabilitation counseling, where 72 quarter-hours are required. At least half of the total required must be earned in courses numbered 500 or above. No more than sixteen quarter-hours earned for work done in extension may be counted toward the degree. A maximum of sixteen quarter-hours of graduate credit earned in another fully-accredited institution may be transferred to count toward the Master's degree. Transfer and extension credits together may exceed sixteen quarter-hours only when work is taken at the Belleville Residence Center. In every case at least twelve hours of credit must be earned on the campus. No credit toward the degree may be earned in correspondence; and only credits earned within a six-year period preceding the completion of course requirements for the degree will be counted toward it.

Ordinarily a graduate student is expected to select both a major and a minor field. This is particularly true of those who major in the field of educational administration. Most of these majors do part-time teaching after receiving the degree and find it to their advantage to complete a

* The Physical Education requirement can be waived only by the Graduation Appeals Committee upon the recommendation of the University Physician. Waiver procedure should be initiated early in a student's college course and in no case later than the end of his sophomore year. Students thirty years of age or older are not subject to this requirement.
Dear Requirements

A student may be permitted by his advisory committee and the Dean of the Graduate School to concentrate his efforts in one particular area of study. The graduate major consists, in most fields, of a minimum of thirty quarter-hours of credit in the area of special concentration; some departments, however, require as many as forty quarter-hours for the major, in which case no minor is required.

The graduate minor consists of a minimum of fifteen quarter-hours. A student may have a double major recorded on his transcript upon completing the necessary number of courses. One who has a Master's degree in a field other than education from another institution and who wishes to obtain a Master's degree in education from Southern Illinois University may count his major of the first degree as his minor for the second. In this case the student must demonstrate his competence in that major by taking a graduate course in it at Southern Illinois University.

Grades are recorded by the letters A, B, C, D, and E. An average of B (4.0) in all courses taken for graduate credit is a prerequisite of the Master's degree. Credit for any course for which the grade given is below C will not be counted toward the degree. If the graduate student fails to complete a course by the end of the term, he may be given a grade of “deferred.” If the deficiency is removed by the end of the eighth week of the following term, the “deferred” is replaced with a letter grade; otherwise it then becomes a “W,” followed by the grade earned in that portion of the course which was completed.

Each candidate for the Master's degree shall either write a thesis, which may be counted for not more than nine nor fewer than five quarter-hours' credit, carry out a special project, or take specific courses on the graduate level, as may be recommended by his advisory committee and approved by the Dean of the Graduate School. Each student who does not write a thesis must submit to the Graduate Office, for its permanent records, a copy of a research paper as evidence of his knowledge of formal research techniques.

The subject of the thesis is to be approved by the chairman of the advisory committee and the Dean of the Graduate School at least two terms before the date of graduation, and is to be reported to the Graduate Office by the student. The completed thesis shall be submitted for evaluation to the members of the student's advisory committee at least two weeks before the final examination. If possible, it should be submitted, at some time before the examination, to all the committee members who administer the final examination. Two copies of the approved thesis (the original and first carbon) must be presented to the Graduate Office at least two weeks prior to the date of graduation, to be bound and shelved in the University Library.

Each candidate for a Master's degree must pass a comprehensive
examination covering all his graduate work, including the thesis. This examination may be written or oral, or both, as determined by the student's advisory committee. If a written examination is required, at least half of it shall be of a subjective nature. The committee for the oral examination shall be appointed by the Dean of the Graduate School and shall consist of four or more members of the Graduate Faculty, with one outside the student's major and minor fields of specialization. The duration of the oral examination shall be one to two hours.

The graduate student must file his application for graduation at least three weeks prior to the date of graduation. One copy of the application is to be presented to the Graduate Office and one to the Registrar. Application forms may be secured from either of these offices. At the same time, the student should make arrangements with the Bursar's Office for payment of the graduation fee.

The graduate student must assume responsibility for his progress by keeping an up-to-date record of the courses he has taken and by checking periodically with his advisory committee and the Graduate Office. Responsibility for errors in program or in interpretation of regulations of the Graduate School rests entirely with the student.

Candidates are expected to meet requirements in force during the year of graduation, but due consideration will be given the fact that a student may have been admitted and may have planned his work when other requirements were current. Important changes in requirements are put into effect gradually. Any change in intention, no matter how minor, should be reported to the Graduate Office, so that records may be accurately kept. It is especially important that the following data should be kept up to date on the student's record in the Graduate Office: the major and the minor, the degree for which the student is a candidate or a potential candidate, the chairman of the advisory committee, and the thesis adviser.

PRE-PROFESSIONAL PROGRAMS

Pre-Engineering (Applied Science)

In general, engineering schools specify approximately the same courses for the first year or two, regardless of the type of engineering training. Before arranging a program for the second year, the student should decide what kind of engineer he wishes to be and the college or university he wishes to enter. In this way, his adviser can work out a program with him that will best fit into the program required by the engineering school of his choice.

In the two years of pre-professional work the student's program
Degree Requirements

normally includes two years of mathematics, a year of rhetoric and composition, a year of physics, a year of inorganic chemistry, a year of economics and general business, and beginning courses in engineering drawing and descriptive geometry.

Electives are chosen on the basis of the type of engineering program desired.

Pre-Law

American law schools vary in pre-legal requirements, and the student should check with the law school he expects to attend concerning these requirements. In general, pre-law students should take as much work as possible in the following subjects: English, speech, economics, government, history, sociology, and psychology.

Pre-Medical and Pre-Dental

The University provides an adviser who is familiar with requirements of the various medical and dental schools. He is available by appointment to advise those students who are planning to enter medical or dental school. In general, such students will need at least two years' work in chemistry, including some qualitative and some organic chemistry, and one year of biology (zoology).
COURSE OFFERINGS

ALTON RESIDENCE CENTER

Officers of Instruction

Director, Eric R. Baber, Ed.D. (Michigan State) .......... 1957
Associate Registrar, John Schnabel, Ed.D. (Indiana) .... 1957

General Information

The Alton Residence Center will provide four year undergraduate instruction culminating in Bachelor's degrees authorized by Southern Illinois University. Curricular emphasis will be liberal arts with a strong concentration of courses in science and technical fields, business administration and secretarial science, teacher preparation, and nursing education. Classes will be available for full-time and part-time students in both day and evening sessions. Individuals pursuing a Master's degree may take up to fifty per cent of their course work in late afternoons, evenings, and Saturdays. At least 24 quarter-hours (50 per cent) must be taken in Southern Illinois University summer sessions (Residence Centers or Carbondale Campus) and at least one summer session must be spent on the Carbondale campus.

Alton Day Course Offerings

The following courses are scheduled to be offered during the regular day-school program (8 a.m. to 5 p.m.). In cases where student demand is insufficient to warrant scheduling a particular course during the day, it may be scheduled as part of the evening college program (5 p.m. to 10 p.m.).

For additional offerings in each subject field see the section (below) of this announcement entitled Evening College Course Offerings. Courses marked with an asterisk may be offered in evening college sessions only, depending upon student demand.

Accounting (Acct)

*251-4 Elementary Accounting I. (Fall)
*252-4 Elementary Accounting II. (Winter)
*253-4 Elementary Accounting III. (Spring)
*351-4 Advanced Accounting I. (Fall)
*352-4 Advanced Accounting II. (Winter)
### Course Offerings

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Term(s)</th>
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</thead>
<tbody>
<tr>
<td>353-4</td>
<td>Advanced Accounting III.</td>
<td>(Spring)</td>
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</table>

#### Art (Art)

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Term(s)</th>
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<tbody>
<tr>
<td>120-3</td>
<td>Art Appreciation.</td>
<td>(Winter, Spring)</td>
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<td></td>
<td></td>
<td>(See Evening College Course offerings for more advanced courses in Art.)</td>
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</tbody>
</table>

#### Applied Science (Ap S)

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Term(s)</th>
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<tbody>
<tr>
<td>101-4</td>
<td>Engineering Drawing I.</td>
<td>(Fall, Winter)</td>
</tr>
<tr>
<td>206-4</td>
<td>Descriptive Geometry.</td>
<td>(Winter, Spring)</td>
</tr>
</tbody>
</table>

#### Chemistry (Chem)

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Term(s)</th>
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<tbody>
<tr>
<td>101-4</td>
<td>General Chemistry.</td>
<td>(Fall, Winter, Spring)</td>
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<tr>
<td>109-5</td>
<td>Inorganic Chemistry.</td>
<td>(Fall)</td>
</tr>
<tr>
<td>111-5</td>
<td>Inorganic Chemistry.</td>
<td>(Fall)</td>
</tr>
<tr>
<td>112-5</td>
<td>Inorganic Chemistry.</td>
<td>(Winter)</td>
</tr>
<tr>
<td>113-5</td>
<td>Inorganic and Qualitative Chemistry.</td>
<td>(Spring)</td>
</tr>
<tr>
<td>221-5</td>
<td>Qualitative Analysis.</td>
<td>(Fall)</td>
</tr>
<tr>
<td>231-5</td>
<td>Quantitative Analysis.</td>
<td>(Winter)</td>
</tr>
<tr>
<td>232-5</td>
<td>Quantitative Analysis.</td>
<td>(Spring)</td>
</tr>
<tr>
<td>249-5</td>
<td>Organic Chemistry.</td>
<td>(Winter)</td>
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#### Economics (Econ)

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<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Term(s)</th>
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</thead>
<tbody>
<tr>
<td>205-5</td>
<td>Survey of Economic Principles.</td>
<td>(Fall, Winter)</td>
</tr>
<tr>
<td>206-4</td>
<td>Economic Principles and Problems.</td>
<td>(Winter, Spring)</td>
</tr>
<tr>
<td>307-4</td>
<td>Economic and Business Statistics.</td>
<td>(Fall, Spring)</td>
</tr>
<tr>
<td>310-4</td>
<td>Labor Problems.</td>
<td>(Fall)</td>
</tr>
<tr>
<td>315-4</td>
<td>Money and Banking I.</td>
<td>(Winter)</td>
</tr>
<tr>
<td>317-4</td>
<td>Economic History of the United States.</td>
<td>(Spring)</td>
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</tbody>
</table>

#### Education (Educ)

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Term(s)</th>
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</thead>
<tbody>
<tr>
<td>100-4</td>
<td>Introduction to Education.</td>
<td>(Fall, Spring)</td>
</tr>
<tr>
<td>314-4</td>
<td>Elementary School Methods.</td>
<td>(Winter, Spring)</td>
</tr>
<tr>
<td>315-4</td>
<td>High School Methods.</td>
<td>(Winter, Spring)</td>
</tr>
<tr>
<td>351A, 351B, 351C-4</td>
<td>to 16. Elementary Student Teaching.</td>
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</tbody>
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#### English (Eng)

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Term(s)</th>
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<tbody>
<tr>
<td>101-3</td>
<td>Freshman Composition.</td>
<td>(Fall)</td>
</tr>
<tr>
<td>102-3</td>
<td>Freshman Composition.</td>
<td>(Winter)</td>
</tr>
<tr>
<td>103-3</td>
<td>Freshman Composition.</td>
<td>(Spring)</td>
</tr>
<tr>
<td>205-3</td>
<td>Introduction to Poetry.</td>
<td>(Fall)</td>
</tr>
<tr>
<td>206-3</td>
<td>Introduction to Drama.</td>
<td>(Winter)</td>
</tr>
</tbody>
</table>
Alton Residence Center

209-3  Introduction to World Literature. (Spring)
300-3  Principles of English Grammar. (Fall, Spring)
302-4  English Literature to 1550. (Fall)
316-4  English Literature from 1550 to 1750. (Winter)
317-4  English Literature after 1750. (Spring)
*318-4 A Survey of American Literature. (Winter, Spring)
*391-3 Usage in Spoken and Written English. (Fall, Winter)

Foreign Languages (F.L.)
See Evening College Course Offerings.

Government (Govt)
101–5 Problems of American Democracy I. (Fall, Winter, Spring)
231–5 American National Government. (Fall, Winter)
232–5 State and Local Government. (Winter, Spring)
*390–3 Comparative Government (Democracies). (Fall)
*391–3 Comparative Government (Dictatorships). (Winter)
*392–3 Comparative Government (Latin America). (Spring)

Guidance (Guid)
305–4 Educational Psychology. (Fall, Winter)

Health Education (H. Ed)
100–4 Healthful Living. (Fall, Winter, Spring)

History (Hist)
101–3, 102–3, 103–3 Survey of World Civilization. (Fall, Winter, Spring)
201–5 History of the United States to 1865. (Fall, Winter)
202–5 History of the United States since 1865. (Winter, Spring)
308–3 History of Illinois. (Fall, Winter)
*322–4, 323–4, 324–4 Survey of English History. (Fall, Winter, Spring)

Management (Mgt)
*170–4 Introduction to Business Administration. (Fall, Winter, Spring)
*271–4 Business Writing. (Fall, Spring)
*371–4 Business Law I. (Fall)
*372–4 Business Law II. (Winter)
*373–4 Business Law III. (Spring)
*385–4 Personnel Management. (Winter)
Course Offerings

Marketing (Mkt)
*330-5 Marketing Principles and Practices. (Fall)
*331-4 Retailing. (Winter)
*334-4 Credits and Collections. (Spring)

Mathematics (Math)
106a-4 General Mathematics I. (Fall, Winter, Spring)
107a-4 General Mathematics II. (Winter, Spring)
106b-4 General Mathematics I. (with business application) (Fall, Winter)
107b-4 General Mathematics II. (for business majors) (Winter, Spring)
111-5 Elementary Analysis I. (Fall)
112-5 Elementary Analysis II. (Winter)
113-5 Elementary Analysis III. (Spring)
251-4 Calculus I. (Fall)
252-4 Calculus II. (Winter)
253-4 Calculus III. (Spring)
*305-3 Differential Equations I. (Fall)
*306-3 Differential Equations II. (Winter)
*452-3 Advanced Calculus. (Fall)
*453-3 Advanced Calculus. (Winter)
*454-3 Advanced Calculus. (Spring)

Music (Mus)
100-3 Music Understanding. (Fall, Spring)
105-4, 106-4, 107-4 Theory of Music. (Fall, Winter, Spring)
002½ (Ensemble) Chorus. (Fall, Winter, Spring)

Note: Private instruction in voice, piano, string, brass, woodwind, and percussion instruments may be arranged. Students should consult their advisers for details.

Nursing (Nurs)
*101-2 Introduction to Nursing I. (Fall)
*102-4 Introduction to Nursing II. (Winter)

Physical Education—(Men’s) (P.E.M.)
151-1 Freshman Required Physical Education. (Fall)
152-1 Freshman Required Physical Education. (Winter)
153-1 Freshman Required Physical Education. (Spring)
251-1 Sophomore Required Physical Education. (Fall)
252-1 Sophomore Required Physical Education. (Fall)
### Alton Residence Center

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>253-1</td>
<td>Sophomore Required Physical Education. (Spring)</td>
<td></td>
</tr>
<tr>
<td>210-2</td>
<td>Basketball Techniques. (Fall, Winter)</td>
<td></td>
</tr>
<tr>
<td>220-2</td>
<td>Recreational Activities and Games (outdoor). (Fall, Spring)</td>
<td></td>
</tr>
<tr>
<td>221-2</td>
<td>Recreational Activities and Games (indoor). (Winter, Spring)</td>
<td></td>
</tr>
<tr>
<td>241-2</td>
<td>Introduction to Physical Education. (Fall, Winter)</td>
<td></td>
</tr>
<tr>
<td>257-2</td>
<td>Football Techniques. (Fall)</td>
<td></td>
</tr>
<tr>
<td>272-2</td>
<td>Baseball Techniques. (Spring)</td>
<td></td>
</tr>
</tbody>
</table>

**Physical Education—(Women's) (P.E.W.)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>101-3</td>
<td>3 hrs. varied activity including speedball. Techniques, skills, and team tactics. (Fall)</td>
<td></td>
</tr>
<tr>
<td>102-1</td>
<td>3 hrs. varied activity including basketball and posture correction (Winter)</td>
<td></td>
</tr>
<tr>
<td>103-1</td>
<td>3 hrs. varied activity including volleyball and folk dancing. (Spring)</td>
<td></td>
</tr>
<tr>
<td>213-1</td>
<td>2 hrs. varied activity including softball. (Spring)</td>
<td></td>
</tr>
<tr>
<td>215-1</td>
<td>2 hrs. varied activity including badminton. (Winter)</td>
<td></td>
</tr>
<tr>
<td>216-1</td>
<td>2 hrs. varied activity including tennis. (Fall)</td>
<td></td>
</tr>
</tbody>
</table>

**Philosophy (Phil)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>302-4</td>
<td>World Religions. (Spring)</td>
<td></td>
</tr>
</tbody>
</table>

**Physics (Phys)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Time</th>
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</thead>
<tbody>
<tr>
<td>101-4</td>
<td>Survey Course in Physics. (Fall, Winter)</td>
<td></td>
</tr>
<tr>
<td>102-4</td>
<td>Survey Course in Physics. (Spring)</td>
<td></td>
</tr>
<tr>
<td>206-5</td>
<td>College Physics. (Mechanics and Sound) (Fall)</td>
<td></td>
</tr>
<tr>
<td>207-5</td>
<td>College Physics (Electricity and Magnetism). (Winter)</td>
<td></td>
</tr>
<tr>
<td>208-5</td>
<td>College Physics (Heat and Light). (Spring)</td>
<td></td>
</tr>
<tr>
<td>211-5</td>
<td>University Physics (Mechanics and Sound). (Fall)</td>
<td></td>
</tr>
<tr>
<td>*212-5</td>
<td>University Physics (Electricity and Magnetism). (Winter)</td>
<td></td>
</tr>
<tr>
<td>*213-5</td>
<td>University Physics (Heat and Light). (Spring)</td>
<td></td>
</tr>
<tr>
<td>*301-5</td>
<td>Mechanics. (Fall)</td>
<td></td>
</tr>
<tr>
<td>*303-5</td>
<td>Heat. (Winter)</td>
<td></td>
</tr>
<tr>
<td>*314-5</td>
<td>Introduction to Modern Physics. (Spring)</td>
<td></td>
</tr>
</tbody>
</table>

**Psychology (Psyc)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>201-4</td>
<td>Psychology I: The Human Personality. (Fall, Winter)</td>
<td></td>
</tr>
</tbody>
</table>

**Religious Education (R. Ed)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>283-3</td>
<td>Life of Jesus. (Winter)</td>
<td></td>
</tr>
<tr>
<td>284-3</td>
<td>Life of Paul. (Spring)</td>
<td></td>
</tr>
</tbody>
</table>
### Course Offerings

1. **301-3 Old Testament History.** (Fall)
2. **302-3 New Testament History.** (Winter)

#### Secretarial Science (Sec)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>*102-3</td>
<td>Typewriting I.</td>
<td>(Fall)</td>
</tr>
<tr>
<td>*103-3</td>
<td>Typewriting II.</td>
<td>(Winter)</td>
</tr>
<tr>
<td>*104-3</td>
<td>Typewriting III.</td>
<td>(Fall, Spring)</td>
</tr>
<tr>
<td>*105-4</td>
<td>Shorthand I.</td>
<td>(Fall)</td>
</tr>
<tr>
<td>*106-4</td>
<td>Shorthand II.</td>
<td>(Winter)</td>
</tr>
<tr>
<td>*107-4</td>
<td>Shorthand III.</td>
<td>(Fall, Spring)</td>
</tr>
<tr>
<td>*213-3</td>
<td>Typewriting IV.</td>
<td>(Fall)</td>
</tr>
<tr>
<td>*216-4</td>
<td>Shorthand IV.</td>
<td>(Winter)</td>
</tr>
<tr>
<td>*307-3</td>
<td>Secretarial Practice.</td>
<td>(Fall)</td>
</tr>
<tr>
<td>*311-3</td>
<td>Office Filing Classification.</td>
<td>(Winter)</td>
</tr>
<tr>
<td>*312-3</td>
<td>Office Management.</td>
<td>(Spring)</td>
</tr>
</tbody>
</table>

#### Sociology (Soc)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Terms</th>
</tr>
</thead>
<tbody>
<tr>
<td>101-5</td>
<td>Introductory Sociology.</td>
<td>(Fall, Winter, Spring)</td>
</tr>
<tr>
<td>102-5</td>
<td>Social Problems.</td>
<td>(Winter, Spring)</td>
</tr>
<tr>
<td>103-4</td>
<td>Dating, Courtship, and Marriage.</td>
<td>(Spring)</td>
</tr>
<tr>
<td>235-4</td>
<td>Introduction to Social Work.</td>
<td>(Fall)</td>
</tr>
<tr>
<td>*301-4</td>
<td>Juvenile Delinquency.</td>
<td>(Winter)</td>
</tr>
<tr>
<td>*310-4</td>
<td>The Family.</td>
<td>(Spring)</td>
</tr>
<tr>
<td>*320-4</td>
<td>Race and Minority Group Relations.</td>
<td>(Fall)</td>
</tr>
</tbody>
</table>

#### Speech, Dramatics, Forensics, Radio (Sp)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Terms</th>
</tr>
</thead>
<tbody>
<tr>
<td>101-4</td>
<td>Principles of Speech.</td>
<td>(Fall, Winter, Spring)</td>
</tr>
<tr>
<td>102-4</td>
<td>Public Speaking.</td>
<td>(Fall, Winter, Spring)</td>
</tr>
<tr>
<td>106-4</td>
<td>Introduction to the Theater.</td>
<td>(Fall)</td>
</tr>
<tr>
<td>209-1</td>
<td>Forensic Activities.</td>
<td>(Fall, Winter, Spring)</td>
</tr>
<tr>
<td>256-4</td>
<td>Fundamentals of Radio Writing.</td>
<td>(Winter)</td>
</tr>
<tr>
<td>302-4</td>
<td>Play Production.</td>
<td>(Spring)</td>
</tr>
</tbody>
</table>

#### Zoology (Zool)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Terms</th>
</tr>
</thead>
<tbody>
<tr>
<td>100-5</td>
<td>Principles of Animal Biology.</td>
<td>(Fall, Winter, Spring)</td>
</tr>
<tr>
<td>101-5</td>
<td>General Vertebrate Zoology.</td>
<td>(Fall)</td>
</tr>
<tr>
<td>105-5</td>
<td>General Invertebrate Zoology.</td>
<td>(Winter)</td>
</tr>
<tr>
<td>202-5</td>
<td>Comparative Vertebrate Anatomy.</td>
<td>(Winter)</td>
</tr>
<tr>
<td>300-5</td>
<td>Vertebrate Embryology.</td>
<td>(Spring)</td>
</tr>
<tr>
<td>335-5</td>
<td>Field Zoology.</td>
<td>(Fall, Spring)</td>
</tr>
</tbody>
</table>

### Evening College Course Offerings

Evening College course offerings (5 p.m. to 10 p.m.) have been designed to meet the specific needs of students wanting to earn a college degree.
degree on a part-time basis. A limited number of professional education courses will be held in late afternoon and on Saturday.

**Accounting (Acct)**
- 251-4 *Elementary Accounting I.* (Fall)
- 252-4 *Elementary Accounting II.* (Winter)
- 253-4 *Elementary Accounting III.* (Spring)
- 351-4 *Advanced Accounting I.* Prereq., 253. (Fall)
- 352-4 *Advanced Accounting II.* (Winter)
- 353-4 *Advanced Accounting III.* (Spring)

**Applied Science (Ap S)**
- 101-4 *Engineering Drawing I.* (Fall, Winter)
- 206-4 *Descriptive Geometry.* (Winter, Spring)

**Art (Art)**
- 100-5 to 15 *Fundamentals of Art.* (Fall, Winter, Spring)
- 220-3 *Watercolor.* (Winter)
- 245-3 to 9 *The Figure.* (Fall, Winter, Spring)
- 250-3 *Oil Painting.* (Spring)

**Botany (Bot)**
- 131-5 *Field Biology.* (Spring)

**Chemistry (Chem)**
- 101-4 *General Chemistry.* Lect. and Lab. (Fall)
- 109-5 *Inorganic Chemistry.* Lect. and Lab. (Fall)
- 221-5 *Qualitative Analysis.* Lect. and Lab. Prereq., 113, Math. 113 (Fall)
- 231-5 *Quantitative Analysis.* Lect. and Lab. Prereq., 221, Math. 113 (Winter)
- 249-5 *Organic Chemistry.* Prereq. 109 (Winter)

**Economics (Econ)**
- 205-5 *Survey of Economic Principles.* (Fall, Winter)
- 206-4 *Economic Principles and Problems.* Prereq., 205 (Winter, Spring)
- 307-4 *Economic and Business Statistics.* Prereq., 205 (Fall, Spring)
- 310-4 *Labor Problems.* (Fall)
- 315-4 *Money and Banking I.* (Winter)
- 317-4 *Economic History of the United States.* (Spring)

**Education (Educ)**
- 313-4 *Children's Literature.* Not open to students who have had
### Course Offerings

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Prerequisites</th>
<th>Term(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 213 or Speech 307.</td>
<td>Prereq. Guid. 305 (Spring)</td>
<td></td>
</tr>
<tr>
<td>Elementary School Methods</td>
<td>Prereq., Guid. 305 (Fall)</td>
<td></td>
</tr>
<tr>
<td>High School Methods</td>
<td>Prereq., 310 and 331 or 100, Guid. 305 (Winter)</td>
<td></td>
</tr>
<tr>
<td>Kindergarten-Primary Methods and Curriculum</td>
<td>Prereq., Guid. 305 (Fall)</td>
<td></td>
</tr>
<tr>
<td>American Public Education</td>
<td>Prereq., Guid. 305. Not open to students who have had Educ. 330. (Winter)</td>
<td></td>
</tr>
<tr>
<td>School Administration</td>
<td>Prereq., Guid. 305 (Fall)</td>
<td></td>
</tr>
<tr>
<td>Public Opinion, Propaganda, and Education</td>
<td>(Winter)</td>
<td></td>
</tr>
<tr>
<td>Science for the Elementary Teacher</td>
<td>(Fall)</td>
<td></td>
</tr>
<tr>
<td>School Supervision</td>
<td>Prereq., 3 courses in education (Spring)</td>
<td></td>
</tr>
<tr>
<td>Curriculum</td>
<td>Not open to students having had 461 or 561. (Spring)</td>
<td></td>
</tr>
<tr>
<td>Language Arts in the Elementary School</td>
<td>(Fall)</td>
<td></td>
</tr>
<tr>
<td>Contrasting Philosophies of Education</td>
<td>(Winter)</td>
<td></td>
</tr>
</tbody>
</table>

### English (Eng)

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Term(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman Composition</td>
<td>(Fall, Winter)</td>
</tr>
<tr>
<td>Freshman Composition</td>
<td>(Winter, Spring)</td>
</tr>
<tr>
<td>Freshman Composition</td>
<td>(Spring)</td>
</tr>
<tr>
<td>Introduction to Poetry</td>
<td>(Fall)</td>
</tr>
<tr>
<td>Introduction to Drama</td>
<td>(Winter)</td>
</tr>
<tr>
<td>Introduction to World Literature</td>
<td>(Spring)</td>
</tr>
<tr>
<td>A Survey of American Literature</td>
<td>(Fall)</td>
</tr>
<tr>
<td>Usage in Spoken and Written English</td>
<td>(Winter)</td>
</tr>
<tr>
<td>Problems in the Teaching of English in High School</td>
<td>(Spring)</td>
</tr>
</tbody>
</table>

### Foods and Nutrition (F & N)

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Term(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nutrition</td>
<td>(Spring)</td>
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### Foreign Languages (F.L.)

#### (German) (GER.)

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Term(s)</th>
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<tbody>
<tr>
<td>Elementary German</td>
<td>(Fall)</td>
</tr>
<tr>
<td>Elementary German</td>
<td>(Winter)</td>
</tr>
<tr>
<td>Elementary German</td>
<td>(Spring)</td>
</tr>
<tr>
<td>Intermediate German</td>
<td>(Fall)</td>
</tr>
<tr>
<td>Intermediate German</td>
<td>(Winter)</td>
</tr>
<tr>
<td>Intermediate German</td>
<td>(Spring)</td>
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</table>

#### (Spanish) (SPAN.)

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Term(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elementary Spanish</td>
<td>(Fall)</td>
</tr>
</tbody>
</table>

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Alton Residence Center

102-3  Elementary Spanish. (Winter)
103-3  Elementary Spanish. (Spring)
151-3  Intermediate Composition and Reading. (Fall)
152-3  Intermediate Composition and Reading. (Winter)
153-3  Intermediate Composition and Reading. (Spring)

Government (Govt)
101-5  Problems of American Democracy I. (Fall, Winter, Spring)
231-5  American National Government. (Fall, Winter)
300-4  American Government. Not open to those who have had 101 or 231. (Fall)
390-3  Comparative Government (Democracies). Prereq., 101 or 231. (Fall)
391-3  Comparative Government (Dictatorships). Prereq., 101 or 231 (Winter)
392-3  Comparative Government (Latin America). Prereq., 101 or 231 (Spring)

Guidance (Guid)
305-4  Educational Psychology. Prereq., Psych. 201 (Winter)
421-4  Tests and Measurements in the Secondary School. Prereq., 305 or equiv. (Winter)
422-4  Tests and Measurements in the Elementary School. Prereq., 305 or equiv. (Winter)
475-4  Implementation of Guidance Principles in Public Schools. Not open to students who have had 426, 526, or 542. Prereq., consent of instructor. (Spring)
562-4  The School's Function in Relation to Child and Adolescent Development. (Spring)

History (Hist)
201-5  History of U.S. to 1865. (Winter)
308-3  History of Illinois. (Spring)
322-4  Survey of English History. (Fall)
323-4  Survey of English History. (Winter)
324-4  Survey of English History. (Spring)

Instructional Materials (IM)
417-4  Audio-Visual Methods in Education. Prereq., Guid. 305 (Winter)

Management (Mgt)
170-4  Introduction to Business. (Fall, Winter, Spring)
Course Offerings

271-4 Business Writing. (Fall, Winter)
371-4 Business Law I. (Fall)
372-4 Business Law II. (Winter)
373-4 Business Law III. (Spring)
385-4 Personnel Management. (Winter)

Marketing (Mkt)
330-5 Marketing Principles and Practices. (Fall)
331-4 Retailing. Prereq., 330 (Winter)
334-4 Credits and Collections. Prereq., 330 (Spring)

Mathematics (Math)
106a-4 General Mathematics I. (Fall)
107a-4 General Mathematics II. (Winter)
111-5 Elementary Analysis I. (Fall)
112-5 Elementary Analysis II. (Winter)
113-5 Elementary Analysis III. (Spring)
210-4 Teaching of Elementary Mathematics. (Spring)
305-3 Differential Equations I. Prereq., 253 (Fall)
306-3 Differential Equations II. Prereq., 305 (Winter)
452-3 Advanced Calculus. Prereq., 253 (Fall)
453-3 Advanced Calculus. Prereq., 452 (Winter)
454-3 Advanced Calculus. Prereq., 453 (Spring)

Music (Mus)
100-3 Music Understanding. (Winter)
002-½ Chorus. (Fall, Winter, Spring)

Nursing (Nurs)
101-2 Introduction to Nursing I. (Fall)
102-4 Introduction to Nursing II. (Winter)
309-4 Introduction to Administration in Nursing Services. (Fall)

Physical Education—(Men's) (P.E.M.)
302-4 Materials and Methods of Teaching Physical Education in Junior and Senior High Schools. (Winter)
340-4 History and Principles of Physical Education. (Spring)

Physical Education—(Women's) (P.E.W.)
319-4 Teaching of Elementary School Group Activities. (Fall)

Physics (Phys)
211-5 University Physics (Mechanics and Sound). Prereq., Math
## Alton Residence Center

251 or concurrent enrollment. (Winter)

212-5 *University Physics (Electricity and Magnetism)*. Prereq. 211 & Math. 252 or concurrent enrollment in Math. 252 (Spring)

301-5 *Mechanics*. Prereq., 206 or 211; and Math 253 (or concurrent enrollment in Math. 253) (Fall)

303-5 *Heat*. Prereq. 208 or 213, and Math 253 (Winter)

314-5 *Introduction to Modern Physics*. Prereq. 207 and 208 (or 212 and 213) and Math. 253 (or concurrent enrollment in Math. 253) (Spring)

### Psychology (Psyc)

301-4 Child Psychology. Prereq., 201 (Fall)

### Secretarial (Sec)

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Prerequisites</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>102-3</td>
<td>Typewriting I.</td>
<td></td>
<td>Fall</td>
</tr>
<tr>
<td>103-3</td>
<td>Typewriting II.</td>
<td></td>
<td>Winter</td>
</tr>
<tr>
<td>104-3</td>
<td>Typewriting III.</td>
<td></td>
<td>Fall, Spring</td>
</tr>
<tr>
<td>105-4</td>
<td>Shorthand I.</td>
<td></td>
<td>Fall</td>
</tr>
<tr>
<td>106-4</td>
<td>Shorthand II.</td>
<td></td>
<td>Winter</td>
</tr>
<tr>
<td>107-4</td>
<td>Shorthand III.</td>
<td></td>
<td>Fall, Spring</td>
</tr>
<tr>
<td>213-3</td>
<td>Typewriting IV.</td>
<td>Prereq., 104 or equiv.</td>
<td>Fall</td>
</tr>
<tr>
<td>216-4</td>
<td>Shorthand IV.</td>
<td>Prereq., 107 or equiv.</td>
<td>Winter, Spring</td>
</tr>
<tr>
<td>307-3</td>
<td>Secretarial Practice.</td>
<td>Prereq., 213 and 216, or equiv.</td>
<td>(Fall)</td>
</tr>
<tr>
<td>311-3</td>
<td>Office Filing and Classification.</td>
<td></td>
<td>Winter</td>
</tr>
<tr>
<td>312-3</td>
<td>Office Management.</td>
<td>Prereq., permission of instructor.</td>
<td>(Spring)</td>
</tr>
</tbody>
</table>

### Sociology (Soc)

101-5 *Introductory Sociology*. (Fall)

200-4 *Principles of Sociology*. (Winter)

313-3 *Educational Sociology*. Prereq., 101 or 200 (Spring)

### Special Education (Sp. E.)

414-4 *The Exceptional Child*. Prereq., 305 or Psych. 301 or 303. (Fall)

### Speech (Sp)

202-3 *Principles of Discussion*. (Fall)

303-4 *Business and Professional Speaking*. (Winter)

428-4 *Speech Correction for the Classroom Teacher*. (Spring)

### Zoology (Zool)

350-4 *Economic Zoology*. (Fall)

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Course Offerings

EAST ST. LOUIS RESIDENCE CENTER

Officers of Instruction

Director, Carlyle C. Ring, Ed.D. (New York) .................. 1957
Associate Registrar, John Schnabel, Ed.D. (Indiana) .... 1957

General Information

The East St. Louis Residence Center, to be located in the old East St. Louis High School Building, will inaugurate a Freshman program in September, 1957, and add an additional year progressively until a full four-year undergraduate program is available to residents of the area. In addition to the aforementioned program, broadening of offerings for teachers in-service and a limited evening program will be developed. Curriculum emphasis will be in liberal arts with a strong concentration in science and technological subjects, business administration, teacher preparation, and nursing education. Classes will be available for both full-time and part-time students in day and evening classes. Students interested in graduate instruction may take up to 50 per cent of their course work in late afternoons, evenings, and Saturdays. At least 24 quarter-hours (50 per cent) must be taken in Southern Illinois University summer sessions (Residence Centers or Carbondale Campus) of which at least one summer must be spent on the Carbondale campus.

NOTE: If the Old East St. Louis High School is not available other provisions, to be announced at a later date, will be made for the program.

EAST ST. LOUIS DAY COURSE OFFERINGS

The following courses are scheduled to be offered during the regular day-school program (8:00 A.M. to 5:00 P.M.). In cases where student demand is insufficient to warrant scheduling a particular course during the day, it may be scheduled as part of the Evening College program (5:00 P.M. to 10:00 P.M.).

For additional offerings in each subject field see the section of this bulletin (below) entitled Evening College Offerings. Courses marked with an asterisk may be offered in evening sessions only, depending upon student demands.

Accounting. See Evening College program.

Applied Science (Ap S)

101–4 Engineering Drawing I. (Spring)
East St. Louis Residence Center

Art (Art)
120–3 Art Appreciation. (Winter, Spring)
(See Evening College course offerings for more advanced courses in Art.)

Chemistry (Chem)
*101–4 General Chemistry. (Winter, Spring)
*109–5 Inorganic Chemistry. (Fall)
*111–5 Inorganic Chemistry. (Fall)
*112–5 Inorganic Chemistry. (Winter)
*113–5 Inorganic and Qualitative Chemistry. (Spring)
*249–5 Organic Chemistry. (Winter)

Economics. See Evening College course offerings.

Education (Educ)
100–4 Introduction to Education. (Fall, Spring)

English (Eng)
101–3 Freshman Composition. (Fall, Winter)
102–3 Freshman Composition. (Winter)
103–3 Freshman Composition. (Spring)

Foods and Nutrition (F & N)
103–4 Nutrition. (Spring)

Government (Govt)
101–5 Problems of American Democracy I. (Fall, Winter, Spring)

Health Education (H. Ed.)
100–4 Healthful Living. (Fall, Winter, Spring)

History (Hist)
101–3, 102–3, 103–3 Sur. of World Civilization. (Fall, Winter, Spr.)

Management (Mgt)
170–4 Introduction to Business. (Fall)

Marketing. See Evening College course offerings.

Mathematics (Math)
106a–4 General Mathematics I. (Winter)
Course Offerings

107a-4 General Mathematics II. (Spring)
106b-4 General Mathematics I. (with business application) (Fall)
107b-4 General Mathematics II. (for business majors) (Winter)
*111-5 Elementary Analysis I. (Fall)
*112-5 Elementary Analysis II. (Winter)
*113-5 Elementary Analysis III. (Spring)

Music (Mus)
100-3 Music Understanding. (Fall, Spring)

Nursing (Nurs)
101-2 Introduction to Nursing I. (Fall)
102-4 Introduction to Nursing II. (Winter)

Physical Education—(Men’s) (P.E.M.)
151-1 Freshman Required Physical Education. (Fall)
152-1 Freshman Required Physical Education. (Winter)
153-1 Freshman Required Physical Education. (Spring)

Physical Education—(Women’s) (P.E.W.)
101-3 3 hrs. varied activity including speedball. Techniques, skills and team tactics. (Fall)
102-1 3 hrs. varied activity including basketball and posture correction. (Winter)
103-1 3 hrs. varied activity including volleyball and Folk Games. (Spring)

Physics (Phys)
101-4 Survey Course in Physics. (Fall, Winter)
102-4 Survey Course in Physics. (Spring)

Psychology. See Evening College course offering.

Secretarial Science. See Evening College course offerings

Sociology (Soc)
101-5 Introductory Sociology. (Fall, Winter, Spring)
102-5 Social Problems. (Winter)
103-4 Dating, Courtship, and Marriage. (Spring)

Speech (Sp)
101-4 Principles of Speech. (Fall)
**East St. Louis Residence Center**

### Zoology (Zool)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Terms</th>
</tr>
</thead>
<tbody>
<tr>
<td>100-5</td>
<td>Principles of Animal Biology</td>
<td>(Fall, Spring)</td>
</tr>
</tbody>
</table>

**EAST ST. LOUIS EVENING COLLEGE COURSE OFFERINGS**

Evening College Course Offerings (5:00 P.M. to 10:00 P.M.) have been designed to meet the specific needs of students wanting to earn a college degree on a part-time basis. A limited number of professional education courses will be held in late afternoon and on Saturday.

### Accounting (Acct)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Terms</th>
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</thead>
<tbody>
<tr>
<td>251-4</td>
<td>Elementary Accounting I.</td>
<td>(Fall, Winter)</td>
</tr>
<tr>
<td>252-4</td>
<td>Elementary Accounting II.</td>
<td>(Winter)</td>
</tr>
<tr>
<td>253-4</td>
<td>Elementary Accounting III.</td>
<td>(Spring)</td>
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</tbody>
</table>

### Applied Science (Ap S)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Terms</th>
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</thead>
<tbody>
<tr>
<td>101-4</td>
<td>Engineering Drawing.</td>
<td>(Fall, Winter, Spring)</td>
</tr>
<tr>
<td>206-4</td>
<td>Descriptive Geometry.</td>
<td>(Winter, Spring)</td>
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</tbody>
</table>

### Art (Art)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Terms</th>
</tr>
</thead>
<tbody>
<tr>
<td>100-5</td>
<td>Fundamentals of Art.</td>
<td>(Fall)</td>
</tr>
<tr>
<td>220-3</td>
<td>Watercolor.</td>
<td>(Winter)</td>
</tr>
<tr>
<td>245-3</td>
<td>The Figure.</td>
<td>(Fall, Winter, Spring)</td>
</tr>
</tbody>
</table>

### Chemistry (Chem)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Terms</th>
</tr>
</thead>
<tbody>
<tr>
<td>109-5</td>
<td>Inorganic Chemistry.</td>
<td>(Fall)</td>
</tr>
<tr>
<td>111-5</td>
<td>Inorganic Chemistry.</td>
<td>(Fall)</td>
</tr>
<tr>
<td>112-5</td>
<td>Inorganic Chemistry.</td>
<td>(Winter)</td>
</tr>
<tr>
<td>113-5</td>
<td>Inorganic and Qualitative Chemistry.</td>
<td>(Spring)</td>
</tr>
<tr>
<td>249-5</td>
<td>Organic Chemistry.</td>
<td>(Winter)</td>
</tr>
</tbody>
</table>

### Economics (Econ)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Terms</th>
</tr>
</thead>
<tbody>
<tr>
<td>205-5</td>
<td>Survey of Economic Principles.</td>
<td>(Fall, Winter)</td>
</tr>
<tr>
<td>206-4</td>
<td>Economic Principles and Problems.</td>
<td>(Winter, Spring)</td>
</tr>
</tbody>
</table>

### Education (Educ)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Terms</th>
</tr>
</thead>
<tbody>
<tr>
<td>337-4</td>
<td>Reading in the Elementary Schools.</td>
<td>(Winter)</td>
</tr>
<tr>
<td>412-4</td>
<td>Illinois School Law.</td>
<td>(Fall)</td>
</tr>
<tr>
<td>442-4</td>
<td>Science for the Elementary Teacher.</td>
<td>(Winter)</td>
</tr>
<tr>
<td>456-4</td>
<td>School Supervision.</td>
<td>(Spring)</td>
</tr>
<tr>
<td>461-4</td>
<td>The Elementary School Curriculum.</td>
<td>(Fall)</td>
</tr>
<tr>
<td>543-4</td>
<td>Teaching the Social Studies in the Elementary School.</td>
<td>(Spring)</td>
</tr>
</tbody>
</table>

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Course Offerings

557-4 The Elementary Principalsip. (Winter)

English (Eng)
101-3 Freshman Composition. (Fall)
102-3 Freshman Composition. (Winter, Spring)
103-3 Freshman Composition. (Spring)
205-3 Introduction to Poetry. (Fall)
206-3 Introduction to Drama. (Winter)
209-3 Introduction to World Literature. (Spring)
400 level courses to be announced
500 level courses to be announced

Foods and Nutrition (F&N)
103-4 Nutrition. (Spring)

Guidance (Guid)
420-4 Educational Statistics. (Fall)
421-4 Tests and Measurements in the Secondary Schools. (Spring)
422-4 Test and Measurements in the Elementary Schools. (Spring)
442-4 Basic Principles of Guidance. (Winter)

Health Education (H Ed)
400-4 Health Appraisal of School Children. (Spring)
460-4 Methods and Materials in Secondary School Health Education. (Winter)
471-4 Organization and Administration of School Health. (Fall)

History (Hist)
201-5 History of the United States to 1865. (Fall)
202-5 History of the United States since 1865. (Winter)

Industrial Education (I Ed)
494-3 Organization and Administration of Industrial Education. (Fall)
495-3 Occupational Analysis. (Winter)
496-4 Selection and Organization of Subject Matter. (Spring)

Management (Mgt)
170-4 Introduction to Business. (Fall, Winter)
271-4 Business Writing. (Fall, Spring)
371-4 Business Law I. (Fall)
372-4 Business Law II. (Winter)
373-4 Business Law III. (Spring)
East St. Louis Residence Center

385-4 Personnel Management. (Fall, Winter)

Marketing (Mkt)
330-5 Marketing Principles and Practices. (Fall)
331-4 Retailing. (Winter)
334-4 Credits and Collections. (Spring)

Mathematics (Math)
106a-4 General Mathematics I. (Fall)
107a-4 General Mathematics II. (Winter)
111-5 Elementary Analysis I. (Fall)
112-5 Elementary Analysis II. (Winter)
113-5 Elementary Analysis III. (Spring)
210-4 Teaching of Elementary Mathematics. (Spring)

Music (Mus)
002-½ Chorus. (Fall, Winter, Spring)

Nursing (Nurs)
101-2 Introduction to Nursing I. (Fall)
102-4 Introduction to Nursing II. (Winter)

Physical Education—Men’s (PEM)
319-4 Teaching Elementary School Group Activities. (Spring)

Physical Education—Women’s (PEW)
319-4 Teaching Elementary School Group Activities. (Spring)

Psychology (Psyc)
201-4 Psychology I. The Human Personality. (Fall)

Secretarial Science (Sec)
307-3 Secretarial Practice. (Fall)
312-3 Office Management. (Spring)

Sociology (Soc)
101-5 Introductory Sociology. (Fall, Winter, Spring)
103-4 Dating, Courtship, and Marriage. (Spring)
235-4 Introduction to Social Work. (Winter)

Speech (Sp)
202-3 Principles of Discussion. (Fall)
303-4 Business and Professional Speaking. (Winter)
Course Offerings

428-4 Speech Correction for the Classroom Teacher. (Spring)
Zoology (Zool)
350-4 Economic Zoology. (Winter)

BELLVILLE RESIDENCE CENTER

General Information

The Belleville Residence Center will provide an undergraduate and graduate program for students interested in a degree in teacher education. Students taking work in the Belleville Center must complete at least 50 per cent of their work toward an undergraduate degree on the Carbondale campus or at either the East St. Louis or Alton Residence Centers. Graduate students must complete at least 50 per cent of their work for the Master's degree on one of Southern Illinois University campuses (Residence Centers or Carbondale) and at least one of these sessions is to be spent on the Carbondale campus. All classes are held in late afternoons and evenings.

BELLVILLE COURSE OFFERINGS

Education (Educ)
313-4 Children's Literature. (Fall)
424-4 School Administration. (Winter)
430-4 History of Education. (Winter)
433-4 Workshop in Elementary Education. (Spring)

Guidance (Guid)
305-4 Educational Psychology. (Fall)
523-4 Measurement of Interest and Aptitudes of Students. (Spring)

History (Hist)
442-3 History of the West. (Spring)

Instructional Materials (IM)
417-4 Audio-Visual Methods in Education. (Fall)
546-4 Integration of Audio-Visual Aids in the Classroom. (Spring)
548-4 Supervision and Administration of an Audio-Visual Program. (Spring)

Psychology (Psy)
412-4 Mental Hygiene. (Spring)
Division of University Extension

Speech (Sp)
(To be announced) (Fall)
(To be announced) (Winter)
(To be announced) (Spring)

Zoology (Zool)
350-4 Economic Zoology, (Winter)

DIVISION OF UNIVERSITY EXTENSION

Officers of Instruction
Dean, Raymond H. Dey, Ed.D. (Washington University) 1946
Assistant Dean, R. Jean Fligor, Ph.D. (Michigan State) 1941

General Information

The Division of University Extension is an agency of the University whose purpose is to make college courses offered by the University available to those who are not in residence. It calls upon the various instructional agencies of the University for the personnel used to carry out its program.

Scheduling off-campus college credit classes has been an important activity of the Division of University Extension since it first began functioning about twenty-five years ago. The program was originally designed for public school teachers and administrators. It has been expanded, however, to serve many other groups as well as the general public. Present policy provides for the scheduling of a class whenever fifteen or more qualified people indicate their intention of enrolling in it, provided that a staff member for that particular subject is available at that particular time.

A maximum of one-half of the total number of credits required for the Bachelor’s degree may be earned through extension classes, and up to sixteen quarter-hours for the Master’s degree.

Many courses that are given in residence are regularly offered through extension, and, when satisfactorily completed, are given the same credit as residence work. All instructors of these extension courses are members of the regular University faculty, and the work offered meets all of the requirements of the American Association of Colleges for Teacher Education and the North Central Association of Colleges and Secondary Schools.

Note: All courses are offered on a semester basis (16 class meetings).
Course Offerings

Calendar
First semester classes begin September 23-26. Second semester classes begin February 3-6.

EXTENSION COURSE OFFERINGS

Collinsville

Education
337-4 Reading in the Elementary School. (Fall)
Audio-Visual (Specific course to be announced later) (Spring)

Granite City—Granite City Engineering Depot

Accounting
251-4 Elementary Accounting I. (Fall)
252-4 Elementary Accounting II. (Fall, Spring)

English
101-3 Freshman Composition. (Fall)
102-3 Freshman Composition. (Fall, Spring)

History
101-3 Survey of World Civilization. (Fall)
102-3 Survey of World Civilization. (Spring)

Mathematics
111-5 Elementary Analysis I. (Fall)
112-5 Elementary Analysis II. (Spring)

DIVISION OF TECHNICAL AND ADULT EDUCATION

Officers of Instruction
Dean, Ernest J. Simon, M.S. (Illinois), LL.D. (Bradley) 1950
Assistant Dean, Harry B. Bauernfeind, M.A.
(Northwestern) 1951
Supervisor, Technical and Adult Education, Chelsea Bailey,
M.S. (Cincinnati) 1957

General Information
The Adult Education program was established in 1950 to provide greater educational services to the adults in the various communities of
Division of Technical and Adult Education

Southern Illinois. This program now reaches some 3,500 adults a year. Courses are offered in approximately 40 communities of Southern Illinois and are available to adults in any community. Any adult, regardless of educational background, may register for these courses. However, this does not preclude the establishment of prerequisites when needed.

Courses are offered from one, two, and three week special programs to those which meet one to three hours a week from eight to eighteen weeks. Courses in Adult Education include a wide range of interests and activities, and can be developed further to meet other demands and needs. All courses are noncredit and are designed for vocational improvement, avocational, or improvement in general education. They are now being conducted in the following areas:

- Art
- Agriculture
- Banking
- English
- Homemaking
- Industrial Management
- Insurance
- Labor and Industrial Relations
- Letter Writing
- Political Science
- Psychology
- Real Estate
- Retailing and Marketing
- Secretarial and Office Procedure
- Speech
- Supervisory Techniques

The Adult Education faculty is composed of staff members from the University and the Vocational-Technical Institute as well as outstanding industrial, professional, and business leaders. The practical, functional approach is used by the instructors. Contacts are invited to discuss specific needs from groups such as parent-teacher associations, industries, labor and management groups, retailers, and business concerns. Courses are then planned and offered to meet specific needs of these adult groups.

The Adult Education program is developed in co-operation with local school administrators, business and industrial leaders, union representatives, and other interested citizens. Programs and course offerings in general adult education will be announced as they develop. The industrial management program will be offered in both Alton and Granite City.

Program in Industrial Management

In an effort to meet the demand from American industry, the Industrial Management series of courses is being offered to provide employers and employees with the “tools of the trade” and to prepare leaders for intelligent participation in their work.

These courses are planned to give present and future foremen and supervisors a more complete background of information from which they may draw in making on-the-job decisions in these important areas. The
courses present practical approaches to the problems of management. All courses are tailored to meet the needs of the students in the various classes.

Diploma

Eleven courses will be available, of which eight will be required for completion for the diploma in Industrial Management. Individual certificates will be awarded for completion of each course, and these will accumulate for the final Two-Year Diploma in Industrial Management. Students who have completed any of these courses previously will have transfer of completion evaluated by the Co-ordination Committee.

Registration

It will be necessary for interested students to pre-register for the course or courses of their choice, in order to make arrangements for various sections of classes. All interested students should come to the following locations, depending upon where they wish to attend classes of the Industrial Management Program: (1) Granite City Community High School between 7:00 and 8:30 p.m. on Monday, Tuesday, Wednesday, or Thursday, September 9-12; (2) Alton: Shurtleff College campus between 7:00 and 8:30 p.m., on Monday, Tuesday, Wednesday, or Thursday, September 16-19.

Be prepared to pay the tuition and textbook fee when registering.

Veterans.—A veteran who was a legal resident of Illinois at the time of entrance into service may attend under an Illinois Military Scholarship which will satisfy his tuition charge. If the veteran has already been awarded such a Scholarship he should bring the scholarship with him at the time of registration. If he has not been awarded one he must bring a copy of his discharge.

The following courses of the Industrial Management Program will be offered at both Granite City High School and the Alton Residence Center.

NOTE: Course descriptions and content are to be modified in accordance with needs of the Alton industrial area.

Course Descriptions

Practical Psychology for Supervisors.—This course is designed to develop the psychological aspects of supervision. It is flexible to the extent that specific problems of participants may be introduced and discussed. To include understanding human nature, building and maintaining job interest, fatigue and monotony, use of psychological tests in industry, basic needs, desires and drives, problems of personality in foreman-employee relationships. Tuesdays, 7-9:30 p.m. Tuition, $15.00. Textbook, $5.00.
Effective Speaking for Supervisors.—The foreman’s over-all communications responsibilities in relation to all of his contacts and duties in industry. Fundamentals of speaking, such as choosing a topic, gathering and organizing material, analyzing the audience, effective presentation, correct pronunciation of commonly mispronounced words, persuasive motivation, and chalk talk including demonstration. Emphasis is put on conference and individual speech situations. Thursdays, 7-9:30 p.m. Tuition, $15.00. Textbook, $3.00.

Ferrous Metallurgy.—The study of the various methods of processing metals, classifications of steels, surface treatment of metals, properties of the various metals. Mondays, 7-10 p.m. Tuition, $12.60. Textbook, $5.00.

Labor Management Relations.—Investigation of the development of collective bargaining in union-management relations. Topics discussed are the initiation, negotiation, approval, and administration of contract provisions. The main provisions of agreements—wages, seniority, grievance settlements, working conditions, management and union security—are included. Mondays, 7-9:30 p.m. Tuition, $15.00. Textbook, none required during Winter Term. Materials supplied by instructor.

The Supervisor and His Job.—A comprehensive, intensive course in line-staff functional responsibilities, authority, delegation, and follow-through. The foreman’s and supervisor’s personnel responsibilities of training, safety, selection, induction, and placement, merit rating, control of absenteeism and turnover, relations with unions, and policy formation and administration. Tuesdays, 7-9:30 p.m. Tuition, $15.00. Textbook, $6.00.

Organized Labor—Its Growth and Development.—The structure and government of unions, jurisdictional questions, education and welfare of members, and community relations are included. Other subjects discussed are the rise of national unions, current problems of labor unions, and the relation of unions to social and economic developments in the United States. Mondays, 7-9:30 p.m. Tuition, $15.00. Textbook, $5.25.

Nonferrous Metallurgy.—Continuation of Metallurgy I, with emphasis on processing, classification, and surface treatment of special metals, Thursdays, 7-10 p.m. Tuition, $12.60. Textbook, $5.00.

Industrial Economics.—A survey of the American economic structure is made in which terms such as economics, production, wealth, and income are defined. The relationship between wages, prices, profits, and production is brought out. Other topics of discussion include inflation and the price level, unemployment, what economics is, how prices are determined, how interest and profits are determined. Wednesdays, 7-9:30 p.m. Tuition, $15.00. Textbook, $5.25.

Industrial Report Writing.—Discussion and practice on the types of reports common to an industrial situation. Practice in preparing written
Course Offerings

reports, memoranda, interdepartmental communications that command attention. Wednesday, 7-9:30 p.m. Tuition, $15.00. Textbook, $4.00.

*Industrial Engineering I.*—This course is an introduction to the basic elements of Industrial Engineering. It will include the following: job evaluation, time and motion study, methods analysis and improvements, work simplification, and other related items. Tuesdays, 7-9:30 p.m. Tuition, $15.00. Textbook, $6.00.

*Cost and Quality Control.*—This course will deal with the principles and application of the factors affecting cost and quality control with emphasis placed on what the supervisor can do to control these factors as they relate to his job. Thursday, 7-9:30 p.m. Tuition, $15.00. Textbook, $7.00.

*Industrial Safety.*—This course will be offered at the Shurtleff College campus only as part of the Industrial Management Program. Wednesdays, 7-9:30 p.m. Tuition, $15.00. Textbook, open.
ACCOUNTING


APPLIED SCIENCE

101-4. Engineering Drawing I. Freehand lettering, sketching, use of instruments, applied geometry, orthographic projection, dimensioning, pictorial drawing, auxiliary views, sections, conventional practices, and related information.

206 (106)—4. Descriptive Geometry. Graphical solution of problems involving the understanding of space relations of points, lines, and surfaces, intersections, and developments, and their application in industry. Prereq, 205, Math. 112.

ART

100–5 to 15. Fundamentals of Art. Three-quarter sequence. A comprehensive survey of the various technical areas of art. Required of art majors and recommended for minors and others interested in basic studio experience.

120–3. Art Appreciation. Introductory course relating art to daily experience. Required of art majors. Satisfies general University requirement.


245–2 to 12. The Figure. Three-quarter sequence. A study of the human figure in terms of form, movement, and structure accompanied by an exploration of possibilities of various drawing media.

250–2 to 12. Oil Painting. Three-quarter sequence. Introductory study
Course Descriptions

of oil painting as a medium of expression. Individual rather than group problems planned and worked upon. Non-majors must have permission of instructor.

BOTANY

131-5. Field Biology. A course for those who are planning to teach in the rural and elementary schools; methods for the identification of various types of plants and animals; location of source material suitable for teaching nature study. Laboratory and field work. Cost to student about $5.00.

CHEMISTRY

101-4. General Chemistry. A survey course for students who wish only to satisfy the general education requirements in physical science. Not for chemistry majors and minors or for agriculture, home economics, pre-medical, pre-engineering, and other pre-professional students. Composition and states of matter, valence, formulas and equations, solutions and electrolytes; water, oxygen, carbon, sodium, and iron. Lect. and lab.

102-4. General Chemistry. Continuation of 101, completing a survey of the more important non-metals and metals, and of simple organic and biological chemistry. Lect. and lab. Prereq, 101.

109-5. Inorganic Chemistry. A beginning course for home economics students. Composition of matter; structure of the atom, valence, formulas and writing of equations; ionization, acids, bases and salts; pH; the more common metals, non-metals, and amphoteric elements. 4 hrs. lect.; 3 hrs. lab.

111-5. Inorganic Chemistry. (1 hr. credit after 101.) A beginning course (high school chemistry not a prerequisite) for chemistry majors and minors, pre-medical, pre-dental, pre-engineering, pre-veterinary, and dietetic students. Atomic structure, valence, formulas, equations; general properties of gases, liquids, and solids, oxygen, hydrogen, water, solutions, and the halogens. Lect. and lab.

112-5. Inorganic Chemistry. Gram molecular weights, chemical equilibrium, electrolytes, acids, bases, and salts; normal solutions; the chemistry of sulfur, nitrogen, phosphorus, carbon, silicon, and boron. Lect. and lab. Prereq, 111.

113-5. Inorganic and Qualitative Chemistry. The common metals, their metallurgy, properties, and compounds, as well as their qualitative detection in simple unknowns. Lect. and lab. Prereq, 112.

221-5. Qualitative Analysis. Theory and method of analytical detection of cations and anions. Simple water-soluble, acid-soluble salts,
and more complex mixtures, analyzed in the laboratory. Lect. and lab. Prereq, 113, Math. 113.


249-5. Organic Chemistry. Hydrocarbons and halogen derivatives; alcohols and ethers, aldehydes and ketones and acids; acid derivatives and substituted acids; optical isomerism; amines, amino acids, and proteins; esters and lipids; carbohydrates; heterocyclic and aromatic compounds; enzymes, digestion and fermentation; vitamins and nutrition; dyes and detergents. 4 hrs. lect.; 3 hrs. lab. Prereq, 109.

ECONOMICS

206-4. Economic Principles and Problems. Prereq, 205. For courses numbered in the 300's and 400's, both 205 and 206 prerequisite; exceptions which require 205 only: 307, 317, 355, 360, 380.

307-4. Economic and Business Statistics. 3 hours lecture; 2 hours laboratory. Prereq, 205 only; recommended, Math. 106a.

310-4. Labor Problems.
315-4. Money and Banking I.

EDUCATION

100-4. Introduction to Education. An orientation course to enable students to make intelligent decisions about teaching as a career.


313-4. Children's Literature. Courses for students majoring in kindergarten-primary education or elementary education, emphasizing types of literature, analysis of literary qualities, and the principles of selection and presentation of literature for children. Not open to students who have had English 213 or Speech 307. Prereq, Guid. 305.

314-4. Elementary School Methods. The fundamental principles of education and the interpretation of current and proposed educational

315-4. **High School Methods.** The processes of learning and teaching involved in high school education. See Educ. 314 description. Prereq, 310 and 331 or 100, Guid. 305.

316-4. **Kindergarten-Primary Methods and Curriculum.** To aid the teacher in placing subject matter according to age levels and environment to integrate this material with the child’s experiences, to plan a unit of experience, and to help a school group to develop it. Prereq, Guid. 305. (3 hours theory plus 2 hours laboratory.)


337-4. **Reading in the Elementary Schools.** The principles of reading instruction and the factors that condition reading, together with grade placement of aims and materials; approved techniques of approach, diagnostic and remedial treatment. Prereq, 314 or 315, Guid. 305.

351A, 351B, 351C-4 to 16. **Elementary Student Teaching.**

352A, 352B, 352C-4 to 16. **Secondary Student Teaching.**

412-4. **Illinois School Law.** Designed to provide (a) interpretation and understanding of Illinois school laws and (b) competency in fulfilling, administering, and evaluating provisions of the school laws of the State of Illinois. Includes study of Federal legislation and court decisions affecting Illinois public schools.

424-4. **School Administration.** For those who look forward to positions as supervisors, principals, or superintendents. Prereq, Guid. 305.

430-4. **History of Education.** To present the historical background of present-day education: to trace the evolution of educational ideals and practice in response to social needs and to the contributions of philosophic and scientific thought. Prereq, Guid. 305.

432-4. **Public Opinion, Propaganda, and Education.** Analyzing and classifying propaganda and giving means of combating it. Showing how public opinion is formed by use of current materials from the different channels of communication. The differences between propaganda and indoctrination.

433-4. **Workshop in Elementary Education.** Meets the immediate needs of in-service teachers in special areas such as curriculum advancement, remedial teaching, child development. Credit not granted for 433 if student has had 333 or 390.
Course Descriptions


456-4. School Supervision. The function of the principal or supervisor in the improvement of instruction. Some activities, methods, and devices for improving the effectiveness of teaching. For present and prospective principals or supervisors who wish to familiarize themselves with accepted principles of supervision in elementary and secondary schools. Prereq, three courses in education.

460-4. Curriculum. Modern practices and procedures in curriculum development: principles and practice in evaluation and construction of curriculum areas, with attention to the professional, social, economic, and other major factors in curriculum planning. Not open to students having had 461 or 561.

461-4. The Elementary School Curriculum. A critical study of the reorganization, construction, and administration of the elementary school curriculum study, basic issues in realizing a sound curriculum, and installation, adaption, and administration of the revised curriculum. Not open to students having had 460 or 561.

542-4. Language Arts in the Elementary School. A study of the practical bearing of investigation and theory on the improvement of current practices in the teaching of the language arts, other than reading.

543-4. Teaching the Social Studies in the Elementary School. Attention given to organization of material for teaching purposes, techniques of classroom presentation, bibliographies of materials, use of audio and visual aids to instruction, and techniques for evaluating student progress. Readings, lectures, and discussions related to required teaching experience.

554-4. Contrasting Philosophies of Education. A course dealing, both historically and contemporaneously, with the ideologies which have developed from different concepts of education; and emphasizing the alternatives facing American educators in the immediate future.

557-4. The Elementary Principalship. This course is designed to meet many of the particular needs of persons interested in qualifying for appointments as elementary school principals. Other than considering the administrative responsibilities of the elementary principal, such topics as the grouping of pupils, the elementary school's curriculum, the evaluation of the school's program and personnel will be studied.

ENGLISH

101-3. Freshman Composition. Expository writing, with emphasis upon
Course Descriptions

the sentence. Review of grammar.


103-3. Freshman Composition. The research paper and other special forms. Prereq, 102.

205-3. Introduction to Poetry. Emphasis on technique, type, and period.

206-3. Introduction to Drama. The form, artistry, and ideas of various plays from most of the notable literary periods. Approximately twenty plays read.


300-3. Principles of English Grammar. Required of majors and minors in English. Majors and minors other than in English should take English 391. Credit not allowed for both courses.


316-4. English Literature from 1550 to 1750. Required of majors. Credit for 316 not given to students who already have credit for 201.

317-4. English Literature after 1750. Required of majors. Credit for 317 not given to students who already have credit for 202.


391-3. Usage in Spoken and Written English. The essentials of structural grammar and the "common decencies." Prerequisite to student teaching, except for English majors and minors, who take 300.


FOODS AND NUTRITION

103-4. Nutrition. Principles of normal nutrition, including the essentials for selecting and planning the family dietary with some emphasis on the needs for varying ages, economic and social conditions. This course meets the requirements for Nursing. Not open to Home Economics majors. Prereq, Chem. 249.

FOREIGN LANGUAGES

German

101, 102, 103-3. Elementary Course. 101 open to students who have had no previous work in German; 102 open to those who have had 101, or one year of high-school German.

151, 152, 153-3. Intermediate Course. Grammar review and expansion;
Course Descriptions

reading in modern prose; conversation and composition. Two periods a week devoted to literature, and one to grammar and composition. Prereq, 103, or two years of high-school German.

Spanish

101, 102, 103–3. Elementary Course. 101 open to students who have had no previous work in Spanish. Prereq, for 102; 101, or one year of high-school Spanish.

151, 152, 153–3. Intermediate Composition and Reading. Grammar review, composition, oral practice, rapid reading of modern authors. Prereq, 103, or two years of high-school Spanish.

Government


300–4. American Government. An advanced course to satisfy the American Government requirements of the College of Education. Deals with the structure and functions of national, state, and local government. Not open to those who have had 101 or 231.

390–3. Comparative Government (Democracies). A comparative study of the political systems of European democracies, such as England, France, and Switzerland. Prereq, 101 or 231.


Guidance

305–4. Educational Psychology. A course primarily for teachers, designed to help them to develop an appreciation and understanding of behavior; intelligence and its measurement; the use of test results; principles of learning and their application to teaching; and individual differences. Prereq, Psych. 201.
Course Descriptions

420-4. Educational Statistics. A course emphasizing the statistical methods needed by teachers for classroom use, the reading of educational literature, and informal educational research. Includes methods of describing group performance, measures of relationship, normal probability, and an introduction to measures of reliability and tests of significance. Prereq, consent of instructor.

421-4. Tests and Measurements in the Secondary School. A study of various standard tests with emphasis on the administering, scoring, and interpreting of such tests as they are utilized in the high schools. The planning of testing programs for public schools; the preparation of an objective test by the student in the field in which he plans to teach. Prereq, 305 or equivalent.

422-4. Tests and Measurements in the Elementary School. The uses of objective measurements for diagnosis, appraisal, guidance of learning, and improvement of teaching. Special emphasis on the selection, administration, and interpretation of tests. Attention given to the construction of classroom tests by the teacher. Prereq. 305 or equivalent.


475-4. Implementation of Guidance Principles in the Public Schools. Individual and group guidance techniques needed by teachers and administrators in the public schools. Lectures and discussions to cover methods which the participant selects and adapts for use with problems of his choosing. Individual conferences, weekly progress reports, and a complete case report required. Prereq, consent of instructor. Not open to students who have had 426, 526, or 542.

523-4. Measurement of Interests and Aptitudes of Students. Practical experience in determining pupils' interests and aptitudes as used by guidance personnel in the school. Emphasis on validity, reliability, appropriateness of norms, and interpretation of each test considered. Prereq. 421 or 422, 442, or consent of instructor.

562-4. The Schools' Function in Relation to Child and Adolescent Development. The way in which the curriculum and other school activities are related to, and promote the normal healthy development of children. Prereq, consent of instructor.

Health Education

100 (202)-4. Healthful Living. A survey course in personal and com-
Course Descriptions

Community health designed to meet the general health needs of college students. Objective of the course to present scientific information as a basis for helping the student develop wholesome health attitudes and practices to result in optimum personal and community health. Prerequisite for all 300 courses. Required for all freshman students.

400-4. Health Appraisal of School Children. The role of the teacher in the health appraisal of the school child, including school health examinations, use of health records, and emphasis on training for recognition of health deviations from normal, common among school children. Not open to students who have had H. Ed. 450.

460-4. Methods and Materials in Secondary School Health Education. To show the prospective teacher the fundamental processes involved in the teaching of health education at the secondary level.

471-4. Organization and Administration of School Health. Appraisal of over-all school organization for health education including health services and personnel, health and safety instruction, school environment, school health examinations, local, state, and federal resources for health, health councils, and interdepartmental relationships.

HISTORY

101-3, 102-3, 103-3. Survey of World Civilization. Courses designed primarily for freshmen, as a survey of the development and evolution of civilization; the foundation for further courses in the field of history. One term devoted to each of the periods: ancient, medieval, and modern. Required of all history majors.

201-5. History of the United States to 1865. Courses 201 and 202 designed to provide a general survey of the political, social, and economic development of the United States. Course 201 includes national and state constitutional principles as required by Illinois law. Prereq, sophomore standing.

202-5. History of the United States since 1865. A continuation of 201. Either 201 or 202 to count toward graduation requirements in the College of Education.

308-3. History of Illinois. The history of the state from 1818 to the present. Recommended for history majors and those who expect to teach in elementary schools. Prereq, 201 and 202.

322-4, 323-4, 324-4. Survey of English History. An introductory study of the institutional and cultural development of the English people from the earliest times to the present day. 322: Celtic
Course Descriptions

Britain to 1603; 323: 1603–1815; 324: since 1815. Prereq, freshman survey.
442-3, 443-3, 444-3. History of the West. A series of three courses that provide an intensive study of the influence of the frontier on the main trends in United States History. Students permitted to take one or all courses. Prereq, 201 and 202.

INDUSTRIAL EDUCATION

494-3. Organization and Administration of Industrial Education. Principles and policies governing the administration of industrial education programs in elementary, junior, senior high schools; relation of federal and state supervision of industrial education to local administration.
495-3. Occupational Analysis. Analysis of automotive, electrical, metalworking, woodworking, and building industries; study of industrial practices and principles.
496-4. Selection and Organization of Subject Matter. Selection and arrangement of teaching content, preparation of assignment, operation, information, and job sheets, preparation of tests.

INSTRUCTIONAL MATERIALS

417-4. Audio-Visual Methods in Education. Selection and utilization of audio-visual methods in the teaching situation, elementary through adult levels. Motion pictures, slides, filmstrips, and recordings particularly stressed. Prereq, Guid. 305.
546-4. Integration of Audio-Visual Materials in the Classroom.
548-4. Supervision and Administration of an Audio-Visual Program.

MANAGEMENT

170-4. Introduction to Business Administration. A survey of business, intended to give to the student a general knowledge of the modern business world, a better basis for choosing his specialty, and certain information not covered in the various specialized courses offered.
385-4. Personnel Management. Relation of the human element to production; the art of securing understanding and co-operation;
Course Descriptions

employee organizations and outside activities; work of the personnel department; wage standards and working conditions. Prereq, Econ. 206.

MARKETING

330–5. Marketing Principles and Practices. A general survey course designed to acquaint the student with the entire field of marketing. Consideration given to the underlying economic principles; historical development of distributive systems, channels, agents, institutions, functions, policies, and principles.

331–4. Retailing. Retailing opportunities and techniques. Purchase planning; mark-up; inventory calculation and valuation; stock turnover; inventory, mark-downs, discounts. Prereq, 330.


MATHEMATICS

106–4. General Mathematics I. A course designed particularly for students who take mathematics to satisfy a graduation requirement. Does not count toward a major or minor in mathematics. Regular sections, designated in class schedule as 106a, include a careful study of the real number system in order to provide a better understanding of arithmetic and elementary algebra. Sections for business majors, designated in class schedule as 106b, cover topics from intermediate algebra with business application. Prereq, 2 semesters of high school mathematics and satisfactory score on placement test, or 100.

107–4. General Mathematics II. Continuation of 106. Does not count on a major or minor in mathematics. Regular sections, designated in class schedule as 107a, cover certain topics from algebra and geometry. Sections for business majors, designated in class schedule as 107b, cover elementary mathematics of finance. Prereq, 106.

111–5. Elementary Analysis I. First part of the regular three-term beginning sequence for mathematics majors and minors, science majors, pre-engineering students, etc. Students who have especially good high school training in algebra and trigonometry may omit this course and go directly into 112. Includes first part of usual courses in college algebra and trigonometry. Prereq, 3 semesters of high school algebra and satisfactory score on placement test, or 106.

112–5. Elementary Analysis II. Continuation of 111. Includes remaining
Course Descriptions

topics in trigonometry, additional topics in college algebra and an introduction to analytic geometry. Prereq, 111.
113–5. Elementary Analysis III. Continuation of 112. Plane analytic geometry, introduction to solid analytic geometry, and some topics in college algebra. Prereq, 112.
210–4. The Teaching of Elementary Mathematics. A professional treatment of the subject matter of arithmetic methods and a study of trends and current literature on the teaching of arithmetic. For elementary education majors only. Prereq, 106.

MUSIC

100–3. Music Understanding. Introductory course for non-majors, with emphasis on background, purpose, and structure of representative compositions.

NURSING

101–2. Introduction to Nursing. General orientation to the field. Historical development, philosophy of nursing education and service, the team, functions of nursing, hospitals and other health agencies.
102–4. Introduction to Nursing II. Functions of the nurse and other members of the health team. Field trips to various community agencies. Interpersonal relationships and ethics of nursing.
309–4. Introduction to Administration in Nursing Services. Principles of administration applied to hospitals and other nursing services.

PHYSICAL EDUCATION—MEN

151–1. Freshman Required Physical Education. 3 hr. activity.


Course Descriptions

152-1. *Freshman Required Physical Education*. 3 hr. activity.

153-1. *Freshman Required Physical Education*. 3 hr. activity.

251-1. *Sophomore Required Physical Education*. Prereq. 151. 2 hr. activity.

252-1. *Sophomore Required Physical Education*. Prereq. 152. 2 hr. activity.

253-1. *Sophomore Required Physical Education*. Prereq. 153. 2 hr. activity.

210-2. *Basketball Techniques*. Course dealing with individual basketball fundamentals, with special emphasis on passing, pivoting, basket-shooting, dribbling, and individual defense. 1 hr. a day, 4 days a week.

220-2. *Recreational Activities and Games (outdoor)*. Techniques, skills, and rules taught by student participation in individual and group outdoor recreational sports. 4 days a week.

221-2. *Recreational Activities and Games (indoor)*. Techniques, skills, and rules taught by student participation in individual and group indoor recreational sports. 4 days a week.

241-2. *Introduction to Physical Education*. A discussion of the purposes of physical education, the training required for teachers, the programs of physical education, vocational possibilities in the profession, the scientific foundation of physical education, and present trends in the field. 2 days a week.

257-2. *Football Techniques*. Individual instruction and practice in all the fundamentals of the game, such as passing, kicking, tackling, blocking, running with the ball; student participation in actual scrimmage. 4 days a week.

272-2. *Baseball Techniques*. The technique of batting, fielding, and playing the different positions. 4 hr. activity.

302-4. *Materials and Methods for Teaching Physical Education Activities in Junior and Senior High Schools*. Study, demonstration, and practice of the “total body” activities adapted to the needs, interest, and capacities of junior and senior high school boys; emphasis placed upon principles of leadership in an organized schedule, or in outdoor and indoor developmental activities which necessitate a thorough knowledge of the purposes, aims, and remote and immediate objectives of physical education, and of the changing factors in the building of a school program. 1 hr. a day, 4 days a week.

319-4. *Teaching of Elementary School Group Activities*. Study of age characteristics; planning of an activity program for all grade levels; care of equipment; techniques of teaching activities for elementary grades. To fulfill the requirements of the State of
Course Descriptions

Illinois for elementary school teachers.

340-4. History and Principles of Physical Education. A course aiming to develop an understanding of the scientific foundations of a sound program of physical education as implied by the accepted principles of psychology, physiology, sociology, biology, educational method, philosophy, anatomy, kinesiology, and related areas.

PHYSICAL EDUCATION—WOMEN

101-1. Hockey, or Soccer, or Speedball. Techniques, skills, and team tactics. For freshmen only.
101A-1. Individual Physical Education. A course for students who are physically unable to participate in the regular physical education activities. Horseshoes, croquet, badminton, shuffleboard.
102A-1. Individual Physical Education. Continuation of 101A. Posture correction, table tennis, and bowling.
103-1. Volleyball and Folk Dancing. Continuation of 102.
103A-1. Individual Physical Education. Continuation of 102A. Folk dancing, deck tennis, paddle tennis, golf, croquet, and shuffleboard.
213-1. Softball.
216-1. Tennis.

PHILOSOPHY

302-4. World Religions. An historical and comparative study of the principal religions of the world. Particular attention is given to such non-Christian faiths as Hinduism, Buddhism, and Islam.

PHYSICS

101-4, 102-4. Survey Course in Physics. Mechanics, light, and sound covered in 101; heat and electricity in 102. For students whose chief interests are not in the physical sciences. Pre-engineers and physics majors to take 211, 212, and 213. Other science majors, including pre-medical students, should take 206, 207, and 208.
206-5. College Physics (Mechanics and Sound). The general physics course covered in 206, 207, and 208 is designed to meet pre-medical requirements in physics and the needs of all students majoring in one of the sciences, except physics. Prereq, Math. 111, 112 (or 112 concurrently).
Course Descriptions


211-5. University Physics (Mechanics and Sound). Physics 211, 212, and 213 together constitute a thorough course in basic physics for physics majors and pre-engineers. Prereq, Math. 251 (or concurrent enrollment).


303-5. Heat. A study of the methods of temperature measurement; theory and measurement of specific heats, thermal expansion and heat transfer; radiation laws; phase changes; and an introduction to thermodynamics. Prereq, 208 or 213, and Math. 253.

314-5. Introduction to Modern Physics. A general survey of atomic physics including elementary atomic structure, thermionics, and photoelectric effect, gas discharges, optical spectra, x-rays, mass spectra, and introduction into nuclear physics. Prereq, 207 and 208 (or 212 and 213) and Math. 253 (or concurrent enrollment in Math. 253).

PSYCHOLOGY

201-4. Psychology I: The Human Personality. A general introduction to the psychological nature of man, his inner dynamics, his learning to perceive and think about himself and his world, his personality development trends, and the basic adjustive patterns.

301-4. Child Psychology. The total, integrated psychological development of the child, with special consideration given to the influence of interpersonal relationships in the home and school. Prereq, 201.

412-4. Mental Hygiene. An integration of psychological knowledge and principles concerning factors and conditions in the personal life that tend to facilitate or to deter mental health. Mental health viewed as living creatively in an atmosphere of satisfactory interpersonal relations. Prereq, 305 or consent of instructor.
SECRETARIAL SCIENCE

102-3. Typewriting I. An introductory course in touch typewriting, giving credit only to those students who have had no previous school training in typewriting. Students who have had typewriting in high school should take a placement test. (Placement tests are given during each quarter at announced times.)

103-3. Typewriting II. Continuation of 102. Emphasis on business letter typing and on development of speed and accuracy.

104-3. Typewriting III. Development of techniques incidental to business letter typing, tabulating, typing from rough-draft copy.

105-4. Shorthand I. An introductory course in Gregg shorthand, giving credit only to those students who have had no previous school training in shorthand. Students who have had shorthand in high school should take a placement test. (Placement tests are given during each quarter at announced times.)

106-4. Shorthand II. Continuation of 105.

107-4. Shorthand III. Continuation of 106. Development of skill in writing Gregg shorthand from dictation, with emphasis on increasing the vocabulary.

213-3. Typewriting IV. Continuation of 104. Development of high competencies in typewriting. Emphasis on business letters, other business forms, manuscripts, legal forms, and stencils or masters for duplicating machines; transcription from Dictaphone belts. Prereq, 104 or equivalent.

216-4. Shorthand IV. Continuation of 107. Development of high competencies in writing shorthand from dictation. Prereq, 107, or equivalent.

307-3. Secretarial Practice. A finishing course for secretaries, covering such topics as personality and office relationships, office mail, office equipment, travel, and business reports. Prereq, 213 and 216, or their equivalents.

311-3. Office Filing and Classification. Modern filing systems and equipment, with intensive practice in applying indexing rules and filing correspondence. Emphasis on classification principles and practices. Training in shorthand. Students who have had shorthand in high school should take a placement test.

312-3. Office Management. Application of principles of management to office problems, with the purpose of giving the secretary an understanding of office work from the management viewpoint. Prereq, permission of instructor.

RADIO AND TELEVISION

256-4. Fundamentals of Radio Writing. Writing in the oral style and
Course Descriptions

for sound. Short continuity forms. Creation and scripting of simple program ideas. Production and recording of scripts for evaluation of writing.

SOCILOGY

101–5. Introductory Sociology. Scientific study of human society and the various means by which individuals and groups adjust to each other and to their physical and social environment. Not counted toward major in Sociology and Anthropology.

102 (202)–5. Social Problems. An analysis of selected contemporary social problems in their social and cultural setting such as crime, suicide, mental illness, the vices, family disorganization, with emphasis upon their extent and significance.

103–4. Dating, Courtship, and Marriage. The problem of dating, courtship, and marriage in modern American society. Recommended for the single freshman student without social science background. Cannot be used to fulfill general education requirement.

200 (300)–4. Principles of Sociology. Development and scope of sociology. The individual and the group; social processes; social organization; social change.


310–4. The Family. The family in historic and contemporary society; evolution of the modern family; changes in family functions, structures, and roles. Prereq. 101 or 200.

313–3. Educational Sociology. Methods, principles, and data of sociology applied to the school situation; relation of the school to other institutions and groups. May be counted either as sociology or education. Prereq, 101 or 200.

320–4. Race and Minority Group Relations. Racial and cultural contacts and conflicts, causes of prejudice; status and participation of minority groups; national and international aspects of minority problems. Prereq, 101 or 200.

SPECIAL EDUCATION

414–4. The Exceptional Child. A study of physical, mental, emotional, and social traits of all types of exceptional children. Particular stress given to the effects of handicaps in learning situations. Attention given to methods of differentiation and to techniques employed for rehabilitation. Individual case studies used; observations and field trips. Prereq, 305 or Psych. 301 or 303.
Course Descriptions

SPEECH

101-4. Principles of Speech. Development of an understanding of basic principles and proficiency in the skills involved in everyday communication. Prerequisite to all other courses in speech except 108, 201, 302, 303, 304, 340, 428—unless by permission of the instructor and department chairman.


209-1. Forensic Activities. Not more than three quarter-hours of credit, and not to exceed two each year, to be secured for participating in forensic activities.

NOTE: No credit in excess of nine hours allowed for forensic and dramatic activity courses.


SPEECH CORRECTION

428-4. Speech Correction for the Classroom Teacher. Etiology and therapy for common speech defects. Open to in-service teachers, seniors, and graduate students in education.

THEATER

106-4. Introduction to the Theater.


ZOOLOGY

100-5. Principles of Animal Biology. Introduction to the major principles underlying the study of zoology. Lectures on principles of animal classification, organization of matter into cells, tissues, organs, and organ systems, heredity, ecology, animal distribution, organic evolution, economic zoology, and conservation. Laboratory work designed to illustrate the above principles. Course satisfies general education requirement in zoology.

101-5. General Vertebrate Zoology. Studies of fishes, amphibians, reptiles, birds, and mammals, with special emphasis on the amphibian type. Evolutionary development, structure, and nat-
Course Descriptions

ural history are emphasized. Prereq, 100.

105–5. General Invertebrate Zoology. Studies of typical representatives of the various kinds of invertebrate animals. Relationships, structure, and natural history are emphasized. Prereq, 100.

202–5. Comparative Vertebrate Anatomy. Comparative studies of the organ systems of vertebrate animals, with emphasis on the phylogeny and evolution of these organs. Prereq, 101, 105.

300–5. Vertebrate Embryology. Development of the individual and the relationship of this development to vertebrate phylogeny; chick and pig used as types. Prereq, 202.


350–4. Economic Zoology. Animals in relation to public welfare. (Credit may not be used to satisfy any part of the requirements for a minor or major in zoology.)