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SIUE Undergraduate Catalog (General Information Bulletin), 1957-1958

Southern Illinois University Edwardsville

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GENERAL

INFORMATION

BULLETIN

1957 - 1958

SOUTHWESTERN ILLINOIS RESIDENCE OFFICE

Suite 227 - Broadview Hotel

East St. Louis, Illinois

DIVISIONS --

Alton Residence Center

Belleville Residence Center

East St. Louis Residence Center

Extension

Technical and Adult Education

SOUTHERN ILLINOIS UNIVERSITY

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SOUTHWESTERN ILLINOIS RESIDENCE OFFICE

Greater Madison-St. Clair Counties

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 coordinating 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

Southwestern Illinois Residence Office Suite 227 Broadview Hotel East St. Louis Illinois	It is the responsibility of the Southwestern Illinois Residence Office to coordinate 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 offerin courses leading toward degrees at the undergraduate level and graduate work in selected fields.
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BOARD OF TRUSTEES

	Term Expires
John Page Wham, Chairman, Centralia	1959
Lindell W. Sturgis, Vice-Chairman, Metropolis	1959
Melvin C. Lockard, 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	

SOUTHWESTERN ILLINOIS RESIDENCE OFFICE

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), 1935

Supervisor Adult and Technical Education, Chelsea Bailey,
M.S. (Cincinnati), 1957

RESIDENCE CENTER CALENDAR

1957-1958

FALL
QUARTER

1957

Advance 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 Recess	)	Wednesday, 12:00 noon - Monday 8:00 a.m. November 27-December 1
Final Examinations	)	Monday, Tuesday--December 16, 17

WINTER
QUARTER

1958

Quarter Begins	)	Thursday--January 2
Final Examinations	)	Tuesday, Wednesday--March 18, 19

SPRING
QUARTER

1958

Quarter Begins	)	Wednesday--March 26
Memorial Day Holiday	)	Friday--May 30
Final Examinations	)	Tuesday, Wednesday,-- June 10, 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 page 41 for calendar of Industrial Management Programs.

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 - 9 p.m. on Thursday, August 7 only. Counselors and advisers will be on hand 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 East St. Louis or Alton Residence Center Office on August 7 and 8 concerning their needs and desires in course offerings. Pre-registration, which consists of advisement and tentative assignment to classes, will make it possible for the university to modify course offerings to meet specific needs and expedite the regular registration procedure.

Alton Residence Center, (Shurtleff Campus) Registrar's Office
East St. Louis Residence Center, Suite 227, Broadview Hotel, East St. Louis

Regular Registration for all students will be held in the Alton and East St. Louis Residence Centers Monday, Tuesday, Wednesday, Thursday and Friday, September 16 through 20, 8 a.m. to 4 p.m. and 7 p.m. to 9 p.m. Advisers will be available to help students plan their programs. Registration in the Belleville Residence Center will be held on the night of the first class session.

Late Registration for the fall quater 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 for the first day and \$1 for each additional day thereafter to a maximum of \$5.

The exception to the above rule is for students registering for ONLY evening or Saturday classes. Those 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 late fee for the first calendar day after the class meeting and an additional \$1 for each day thereafter to a maximum of \$5.

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	<u>\$ 53.50</u>

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

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 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 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. The normal load for the eight-week summer session is ten to twelve quarter hours.

TEXTBOOK RENTAL SERVICE

As part of the services of the University Libraries a textbook rental system is operated for the benefit of student. 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 fields of:

- (1) Clerical, typing and stenographic
- (2) Library and laboratory
- (3) Janitorial, maintenance and repair
- (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.

GENERAL REQUIREMENTS
FOR THE BACHELOR'S DEGREE

(Note: For specific requirements in each major and minor subject area, refer to the Southern Illinois University general catalog.)

Each candidate for the degree must complete 192 hours of credit in approved course. 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 - 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

Mathematics and Physical Sciences - 12 quarter hours

Chemistry, Mathematics, Physics (the 12 hours to be selected from two departments)

* 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 301 and 330 offer such instruction.

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 fifty 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, one summer session toward the Master's degree is to 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. 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 prededing 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 minor in an academic field. 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,

* 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.

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 eight 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 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 students 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 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).

NURSING

The basic professional program of studies during the freshman year for students who expect to meet the requirement for a Bachelor of Science in Nursing degree is as follows:

<u>Fall</u>		<u>Winter</u>		<u>SPRING</u>	
English 101	3	English 102	3	English 103	3
Chemistry 109	5	Chemistry 249	5	Psychology 201	4
Nursing 101	2	Nursing 102	4	Nutrition 103	4
Sociology 101	5	Art/Music	3	Physics 101 or 102	4
P.E.	1	P.E.	1	P.E.	1
	<u>16</u>		<u>16</u>		<u>16</u>

SHURTLEFF BAPTIST STUDENT FOUNDATION

Religious education courses are offered through the Shurtleff Foundation. A maximum of fifteen quarter hours credit may be allowed in meeting Southern Illinois University requirements for graduation. For specifics in course offerings look under the catagories of Religious Education and Philosophy. All inquiries should be directed to Mr. Kenneth Estey, the Foundation Director.

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. Individuals pursuing a Master's Degree may take up to fifty per-cent of their course work in late afternoons, evening, 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. 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.

DAY COURSE OFFERINGS

The following courses are scheduled to be offered during the regular day-school program (8a.m. - 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. - 10 p.m.)

For additional offerings in each subject field see section of this bulletin entitled "Evening College Offerings".

ACCOUNTING

- *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)
- *353-4 Advanced Accounting III. (Spring)

ART

- 120-3 Art Appreciation. (Winter, Spring)
(See Adult and Evening School offerings for more advanced courses in art.)

CHEMISTRY

- 101-4 General Chemistry. (Fall, Winter, Spring)
- *109-5 Inorganic Chemistry. (Fall)
- 111-5 Inorganic Chemistry. (Fall)
- 112-5 Inorganic Chemistry. (Winter)
- 113-5 Inorganic and Qualitative Chemistry. (Spring)
- *221-5 Qualitative Analysis. (Fall)
- *231-5 Quantitative Analysis. (Winter)
- *232-5 Quantitative Analysis. (Spring)
- *249-5 Organic Chemistry. (Winter)

ECONOMICS

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

EDUCATION

- 100-4 Introduction to Education. (Fall, Spring)
- *314-4 Elementary School Methods. (Winter, Spring)
- *315-4 High School Methods. (Winter, Spring)
- 351A, 351B, 351C-4 to 16. Elementary Student Teaching.) See adviser for arr.
- 352A, 352B, 352C-4 to 16. Secondary Student Teaching.) See adviser for arr.

ENGLISH

- 101-3 Freshman Composition. (Fall)
- 102-3 Freshman Composition. (Winter)
- 103-3 Freshman Composition. (Spring)
- 205-3 Introduction to Poetry. (Fall)

ENGLISH continued

- 206-3 Introduction to Drama. (Winter)
- 209-3 Introduction to World Literature. (Spring)
- 300-3 Principles of English Grammar. (Fall, Spring)
- 302-4 English Literature in 1550. (Fall)
- 316-4 English Literature from 1550 to 1750. (Spring)
- 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

(See Evening College offerings on Page 25).

GOVERNMENT

- 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

- 305-4 Educational Psychology. (Fall, Winter)

HEALTH EDUCATION

- 100-4 Healthful Living. (Fall, Winter, Spring)

HISTORY

- 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)

HOME ECONOMICS

*103 Nutrition. (Spring)

INDUSTRIAL ARTS

*101-4 Engineering Drawing I. (Fall, Winter)

*306-4 Descriptive Geometry. (Winter, Spring)

MANAGEMENT

*170-4 Introduction to Business. (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)

MARKETING

*330-5 Marketing Principles and Practices. (Fall)

*331-4 Retailing. (Winter)

*334-4 Credits and Collections. (Spring)

MATHEMATICS

106a-4 General Mathematics I. (Fall, Winter, Spring)

107a-4 General Mathematics II. (Winter, Spring)

106b-4 Intermediate Algebra with business application. (Fall, Winter)

107b-4 Elementary Mathematics of Finance. (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)

MATHEMATICS continued

- *306-3 Differential Equations II.
- *452-3 Advanced Calculus. (Fall)
- *453-3 Advanced Calculus. (Winter)
- *454-3 Advanced Calculus. (Spring)

MUSIC

- 100-3 Music Appreciation. (Fall, Spring)
- 105-4, 106-4, 107-4 Theory of Music. (Fall, Winter, Spring)
- 002 $\frac{1}{2}$ (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

- *101-4 Introduction to Nursing. (Fall)
- *102-4 Nursing. (Winter)

PHYSICAL EDUCATION -- (MEN'S)

- 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)
- 253-1 Sophomore Required Physical Education. (Spring)
- 210-2 Basketball Techniques. (Fall, Winter)
- 220-2 Recreational Activities and Games. (Fall, Spring)
- 221-2 Recreational Activities and Games. (Winter, Spring)
- 241-2 Introduction to Physical Education. (Fall, Winter)
- 257-2 Football Techniques. (Fall)
- 272-2 Baseball Techniques. (Spring)

PHYSICAL EDUCATION -- (WOMEN'S)

- 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)
- 213-1 3 hrs. varied activity, including softball. (Spring)
- 215-1 3 hrs. varied activity, including badminton. (Winter)
- 216-1 3 hrs. varied activity, including tennis. (Fall)

PHILOSOPHY (Baptist Foundation) See page 14 for details.

- 302-4 World Religions. (Spring)

PHYSICS

- 101-4 Survey Course in Physics. (Winter)
- 102-4 Survey Course in Physics. (Spring)
- 206-5 College Physics. (Mechanics and sound) (Fall)
- 207-5 College Physics. (Electricity and Magnetism.) (Winter)
- 208-5 College Physics. (Heat and Light). (Spring)
- *211-5 University Physics (Mechanics and Sound) (Fall)
- *212-5 University Physics (Electricity and Magnetism). (Winter)
- *213-5 University Physics (Heat and Light). (Spring)
- *301-5 Mechanics. (Fall)
- *303-5 Heat. (Winter)
- *314-5 Introduction to Modern Physics. (Spring)

PSYCHOLOGY

- 201-4 General Psychology I. The Human Personality. (Fall, Winter)

RELIGIOUS EDUCATION (Baptist Foundation) See page 14 for details.

- 283-3 Life of Jesus. (Winter)
- 284-3 Life of Paul. (Spring)
- 301-3 Old Testament History. (Fall)
- 302-3 New Testament History. (Winter)

SECRETARIAL SCIENCE

- *102-3 Typewriting I. (Fall)
- *103-3 Typewriting II. (Winter)
- *104-3 Typewriting III. (Fall, Spring)
- *105-4 Shorthand I. (Fall)
- *106-4 Shorthand II. (Winter)
- *107-4 Shorthand III. (Fall, Spring)
- *213-3 Typewriting IV. (Fall)
- *216-4 Shorthand IV. (Winter)
- *307-3 Secretarial Practice. (Fall)
- *311-3 Office Filing and Classification. (Winter)
- *312-3 Office Management. (Spring)

SOCIOLOGY

- 101-5 Introductory Sociology. (Fall, Winter, Spring)
- 102-5 Social Problems (Winter, Spring)
- 103-4 Dating, Courtship and Marriage. (Spring)
- 235-4 Introduction to Social Work. (Fall)
- *301-4 Juvenile Delinquency. (Winter)
- *310-4 The Family. (Spring)
- *320-4 Race and Minority Group Relations. (Fall)

SPEECH, DRAMATICS, FORENSICS, RADIO

- 101-4 Principles of Speech. (Fall, Winter, Spring)
- 102-4 Public Speaking. (Fall, Winter, Spring)
- 106-4 Introduction to the Theater. (Fall)
- 209-1 Forensic Activities. (Fall, Winter, Spring)
- 256-4 Fundamentals of Radio Writing. (Winter)
- 302-4 Play Production. (Spring)

ZOOLOGY

- 100-5 Principles of Animal Biology. (Fall, Winter, Spring)
- 101-5 General Vertebrate Zoology. (Fall)
- 105-5 General Invertebrate Zoology. (Winter)
- 202-5 Comparative Vertebrate Anatomy. (Winter)
- 300-5 Vertebrate Embryology. (Spring)
- 335-5 Field Zoology. (Fall, Spring)

*May be offered in Evening College sessions only, depending upon student demand.

ALTON RESIDENCE CENTEREVENING COLLEGE COURSE OFFERINGS

Evening College Course Offerings (5 p.m. - 10 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

- 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)

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

- 131-5 Field Biology. (Spring)

CHEMISTRY

- 101-4 General Chemistry. Lect. and Lab. (Fall)
- 109-5 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., 331, Math. 113 (Winter)
- 249-5 Organic Chemistry. Prereq. 109 (Winter)

ECONOMICS

- 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 only. (Fall, Spring)
- 310-4 Labor Problems. (Fall)

ECONOMICS continued

- 315-4 Money and Banking I. (Winter)
 317-4 Economic History of the United States. (Spring)

EDUCATION

- 312-4 Emotional Health. (Spring)
 313-4 Children's Literature. Not open to students who have had English 213 or Speech 307. Prereq., Guid. 305 (Spring)
 314-4 Elementary School Methods. Prereq., Guid. 305 (Fall)
 315-4 High School Methods. Prereq., 310 or 331 or 100, Guid. 305 (Winter)
 316-4 Kindergarten-Primary Methods and Curriculum. Prereq., Guid. 305 (Fall)
 331-4 American Public Education. Prereq., Guid. 305. Not open to students who have had Educ. 330. (Winter)
 424-4 School Administration. Prereq., Guid. 305 (Fall)
 432-4 Public Opinion, Propaganda, and Education. (Winter)
 442-4 Science for the Elementary Teacher. (Fall)
 456-4 School Supervision. Prereq., 3 courses in education. (Spring)
 460-4 Curriculum. Not open to students having had 461 or 561. (Spring)
 542-4 Language Arts in the Elementary School. (Fall)
 554-4 Contrasting Philosophies of Education. (Winter)

ENGLISH

- 101-3 Freshman Composition. (Fall, Winter)
 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)
 318-4 A Survey of American Literature. (Fall)
 391-3 Usage in Spoken and Written English. (Winter)
 485-4 Problems in the Teaching of English in High School. (Spring)

FOREIGN LANGUAGES(GERMAN)

- 101-3 Elementary German. (Fall)
 102-3 Elementary German. (Winter)
 103-3 Elementary German. (Spring)
 151-3 Intermediate German. (Fall)
 152-3 Intermediate German. (Winter)
 153-3 Intermediate German. (Spring)

(SPANISH)

- 101-3 Elementary Spanish. (Fall)
 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

- 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 (Fall)
 392-3 Comparative Government (Latin America). Prereq., 101 or 231 (Spring)

GUIDANCE

- 305-4 Educational Psychology. Prereq., Psych. 201 (Winter)
 414-4 The Exceptional Child. Prereq., 305 or Psych. 301 or 303 (Fall)
 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

- 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)

HOME ECONOMICS

- 103-4 Nutrition. (Spring)

INDUSTRIAL ARTS

- 101-4 Engineering Drawing I. (Fall, Winter)
- 206-4 Descriptive Geometry. Prereq., Math. 112 (Winter, Spring)

INSTRUCTIONAL MATERIALS

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

MANAGEMENT

- 170-4 Introduction to Business. (Fall, Winter, Spring)
- 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

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

MATHEMATICS

- 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

- 100-3 Music Appreciation. (Winter)
- 002 $\frac{1}{2}$ Ensemble. Community-college Chorus. (Fall, Winter, Spring)

NURSING

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

PHYSICAL EDUCATION

- 302-4 Materials and Methods of Teaching Physical Education in Junior and Senior High Schools. (Winter)
- 319-4W Teaching of Elementary School Group Activities. (Fall)
- 340-4M History and Principles of Physical Education. (Spring)

PHYSICS

- 211-5 University Physics (Mechanics and Sound). Prereq., Math 251 or concurrent enrollment. (Fall)
- 212-5 University Physics (Electricity and Magnetism). Prereq. 211 and Math. 252 or concurrent enrollment in Math 252
- 213-5 University Physics (Heat and Light)
Prereq. 211 and 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

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

SECRETARIAL SCIENCE

102-3 Typewriting I. (Fall)

103-3 Typewriting II. (Winter)

104-3 Typewriting III. (Fall, Spring)

105-4 Shorthand I. (Fall)

106-4 Shorthand II. (Winter)

107-4 Shorthand III. (Fall, Spring)

213-3 Typewriting IV. Prereq., 104 or equiv. (Fall)

216-4 Shorthand IV. Prereq., 107 or equiv. (Winter, Spring)

307-3 Secretarial Practice. Prereq., 213 and 216, or equiv. (Fall)

311-3 Office Filing and Classification. (Winter)

312-3 Office Management. Prereq., permission of instructor. (Spring)

SOCIOLOGY

101-5 Introductory Sociology. (Fall)

200-4 Principles of Sociology. (Winter)

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

SPEECH

202-3 Principles of Discussion. (Fall)

303-4 Business and Professional Speaking. (Winter)

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

ZOOLOGY

350-4 Economic Zoology. (Fall)

BELLEVILLE RESIDENCE CENTER
Belleville Junior High School

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 fifty 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 fifty 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 to be spent on the Carbondale campus. All classes are held in late afternoons and evenings.

COURSE OFFERINGS

EDUCATION

- 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

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

HISTORY

- 424-4 History of the West. (Spring)

INSTRUCTIONAL MATERIALS

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

PSYCHOLOGY

- 412-4 Mental Hygiene. (Spring)

SPEECH

(To be announced) (Fall)

(To be announced) (Winter)

(To be announced) (Spring)

ZOOLOGY

350-4 Economic Zoology. (Winter)

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
Supervisor, Student Affairs, Thomas Evans, M.S. (Southern Illinois University)	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. For students interested in graduate instruction they may take up to fifty percent of their course work in late afternoons, evenings, and Saturday. 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.

DAY COURSE OFFERINGS

The following courses are scheduled to be offered during the regular day-school program (8:00 a.m. - 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. - 10:00 p.m.).

For additional offerings in each subject field see section of this bulletin entitled "Evening College Offerings".

ACCOUNTING See Evening College program.

ART

120-3 Art Appreciation. (Winter, Spring)

(See Adult and Evening School offerings for more advanced courses in Art.)

CHEMISTRY

- *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 Program.

EDUCATION

- 100-4 Introduction to Education. (Fall, Spring)

ENGLISH

- 101-3 Freshman Composition. (Fall, Winter)
- 102-3 Freshman Composition. (Spring)
- 103-3 Freshman Composition. (Spring)

GOVERNMENT

- 101-5 Problems of American Democracy I. (Fall, Winter, Spring)

HEALTH EDUCATION

- 100-4 Healthful Living. (Fall, Winter, Spring)

HISTORY

- 101-3, 102-3, 103-3 Survey of World Civilization. (Fall, Winter, Spring)

HOME ECONOMICS

- 103-4 Nutrition. (Spring)

INDUSTRIAL ARTS

- 101-4 Engineering Drawing I. (Spring)

MANAGEMENT

- 170-4 Introduction to Business. (Fall)

MARKETING

See Evening College Program.

MATHEMATICS

- 106a-4 General Mathematics I. (Winter)

MATHEMATICS continued

- 107a-4 General MathematicsII. (Spring)
- 106b-4 Intermediate Algebra with Business Application. (Fall)
- 107b-4 Elementary Mathematics of Finance. (Winter)
- *111-5 Elementary Analysis I. (Fall)
- *112-5 Elementary Analysis II. (Winter)
- *113-5 Elementary Analysis III. (Spring)

MUSIC

- 100-3 Music Appreciation. (Fall, Spring)

NURSING

- 101-4 Introduction to Nursing. (Fall)
- 102-4 Nursing. Continuation of 101. Winter)

PHYSICAL EDUCATION -- (MEN'S)

- 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)

- 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

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

PSYCHOLOGY See Evening College Program.SECRETARIAL SCIENCE See Evening College Program.SOCIOLOGY

- 101-5 Introductory Sociology. (Fall, Winter, Spring)
- 102-5 Social Problems. (Winter)

SOCIOLOGY continued

103-4 Dating, Courtship, and Marriage. (Spring)

SPEECH

101-4 Principles of Speech. (Fall)

ZOOLOGY

100-5 Principles of Animal Biology. (Fall, Spring)

* May be offered in Evening sessions only, depending upon student demand.

EVENING COLLEGE COURSE OFFERINGS

Evening College Course Offerings (5:00 p.m. - 10 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

- 251-4 Elementary Accounting I. (Fall, Winter)
- 252-4 Elementary Accounting II. (Winter)
- 253-4 Elementary Accounting III. (Spring)

ART

- 100-5 Fundamentals of Art. (Fall)
- 220-3 Watercolor. (Winter)
- 245-3 The Figure. (Fall, Winter, Spring)

CHEMISTRY

- 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

- 205-5 Survey of Economic Principles. (Fall, Winter)
- 206-4 Economic Principles and Problems. (Winter, Spring)

EDUCATION

- 337-4 Reading in the Elementary Schools. (Winter)
- 412-4 Illinois School Law. (Fall)
- 442-4 Science for the Elementary Teacher. (Winter)
- 456-4 School Supervision. (Spring)
- 461-4 The Elementary School Curriculum. (Fall)
- 543-4 Teaching the Social Studies in the Elementary School. (Spring)
- 557-4 The Elementary Principalship. (Winter)

ENGLISH

- 101-3 Freshman Composition. (Fall)
 102-3 Freshman Composition. (Winter)
 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 (To be announced)
 500 (To be announced)

GUIDANCE

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

HEALTH EDUCATION

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

HISTORY

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

HOME ECONOMICS

- 103-4 Nutrition. (Spring)

INDUSTRIAL ARTS

- 101-4 Engineering Drawing I. (Fall, Winter, Spring)
 206-4 Descriptive Geometry. (Winter, Spring)

INDUSTRIAL ARTS continued

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

MANAGEMENT

- 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)
 385-4 Personnel Management. (Fall, Winter)

MARKETING

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

MATHEMATICS

- 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

- 002 $\frac{1}{2}$ Ensemble Community-college Chorus. (Fall, Winter, Spring)

NURSING

- 101-4 Introduction to Nursing. (Fall)
 102-4 Nursing. (Winter)

PHYSICAL EDUCATION

- 319-4 Teaching Elementary School Group Activities. (Spring)

PSYCHOLOGY

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

SECRETARIAL SCIENCE

307-3 Secretarial Practice. (Fall)

312-3 Office Management. (Spring)

SOCIOLOGY

101-5 Introductory Sociology. (Fall, Winter, Spring)

103-4 Dating, Courtship and Marriage. (Spring)

235-4 Introduction to Social Work. (Winter)

SPEECH

202-3 Principles of Discussion. (Fall)

303-4 Business and Professional Speaking. (Winter)

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

ZOOLOGY

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 offered on a semester basis (16 class sessions)

COURSE OFFERINGSCOLLINSVILLEEDUCATION

- 337 Reading in the Elementary School. (Fall)
 Audio Visual (Winter)
 (To be announced) (Spring)

GRANITE CITY -- Granite City Engineering DepotACCOUNTING

- 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)

CALENDAR

First semester classes begin September 23, 1957

Second semester classes begin February 3, 1958

All courses are offered on a semester basis with a
 requirement of 16 class sessions.

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.S. (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 Southern Illinois. This program now reaches some 3,500 adults a year. Courses are offered in approximately forty 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 non-credit and are designed for vocational improvement, avocational, or improvement in general education.

They are now being conducted in the following areas:

Art	Letter Writing
Agriculture	Political Science
Banking	Psychology
English	Real Estate
Homemaking	Retailing and Marketing
Industrial Management	Secretarial and Office Procedure
Insurance	Speech
Labor and Industrial Relations	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 cooperation with local school administrations, 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 area. 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 Coordination Committee.

ALTON PROGRAM

Registration Dates - September 9, 10, 11, 12

Classes begin the week of September 16, 1957

GRANITE CITY PROGRAM

Registration Dates - September 16, 17, 18, 19

Classes begin the week of September 23, 1957

COURSE DESCRIPTIONS

ACCOUNTING

251-4 Elementary Accounting I. Principles and practices in handling simple transactions in books of original entry and books of accounts - trial balances, adjustments, and financial statements.

252-4 Elementary Accounting II.

Continuation of 251.

253-4 Elementary Accounting III.

Continuation of 252.

351-4 Advanced Accounting I. Accounting principles and procedures for the preparation of adequate financial statements. Special attention given depreciation, appraisals, investments, intangibles, installment sales, consignments, branch accounts, compound interest in relation to accounting for sinking funds, annuities, leaseholds, and bonds. Preparation and use of special statements, application of funds, statement of affairs and consolidated statements. Prereq., 253.

352-4 Advanced Accounting II.

Continuation of 351.

353-4 Advanced Accounting III.

Continuation of 352.

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.

220-3 Watercolor. Three-quarter sequence for beginners. Technical experimentation exploring varied uses and possibilities of the medium.

245-3 to 9. 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.

250-3 Oil Painting. Three-quarter sequence. Introductory study 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.
- 109-5 Inorganic Chemistry. A beginning course for home economics and nursing 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.
- 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.
- 231-5 Quantitative Analysis. Gravimetric determinations of chloride, iron sulfate copper and limestone in laboratory; accompanied by calculations and discussions of methods of determination. Lect. and lab. Prereq., 221, Math. 113.
- 232-5 Quantitative Analysis. Volumetric analysis with stoichiometrical accompaniments, and discussions of applications; calibration of apparatus, acid-base, permanganate, dichromate, iodometric and precipitation titrations. Lect. and lab. Prereq., 113 and logarithms.

CHEMISTRY continued

- 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

- 205-5 Survey of Economic Principles. Each term.
- 206-4 Economic Principles and Problems. Prereq., 205. Each term. 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. Each term.
- 310-4 Labor Problems.
- 315-4 Money and Banking I. Each term.
- 317-4 Economic History of the United States. Prereq., 205.

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 theory and practice. The processes of teaching and learning involved in elementary education. Educ. 314 cannot be substituted for 315, nor Educ. 315 for 314. Prereq., Guid. 305.
- 315-4 High School Methods. The process of learning and teaching involved in high school education. See Educ. 314 description. Prereq., 310 and 331 or 100, Guid. 305. Offered every term.
- 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 3 hours laboratory.)

EDUCATION continued

- 331-4 American Public Education. A general overview of the entire field of American public education. Prereq., Guid. 305. Offered every term. Not open to students who have had Educ. 330.
- 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 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.
- 442-4 Science for the Elementary Teacher. Study of content and methods in elementary school science.
- 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. Prereq., consent of instructor. Not open to students having had 561.

EDUCATION continued

- 461-4 The Elementary School Curriculum. A critical study of the reorganization, construction, and administration of the elementary school curriculum. The basic issues in realizing a sound curriculum, and to the installation, adaptation, 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. Attention given to evaluation of teaching materials in these areas.
- 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 the sentence. Review of grammar.
- 102-3 Freshman Composition. Expository writing, with emphasis upon organization. Prereq., 101.
- 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.
- 209-3 Introduction to World Literature. A reading of masterpieces of European literature of various periods.
- 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.

ENGLISH

continued

- 302-4 English Literature to 1550. Required of English majors.
- 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.
- 318-4 A Survey of American Literature.
- 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.
- 485-4 Problems in the Teaching of English. Studies of the aims, methods, materials, tests, programs, and other aspects of English instruction in the high school.

FOREIGN LANGUAGES

- 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; 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.
- 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

- 101-5 Problems of American Democracy I. A general survey of government including national and state constitutional principles as required by Illinois law. Meets the social science and American Government requirements.
- 231-5 American National Government. A survey covering the structure, functions, and principles of national government. Also meets social science and American Government requirements.
- 232-5 State and Local Government. A survey of the structure and functions of American state and local government. Prereq., 231.
- 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.

GOVERNMENT continued

- 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.
- 391-3 Comparative Government (Dictatorships). A comparative study of the political systems of European dictatorships: Nazi Germany, Fascist Italy, Soviet Russia, Falangist Spain. Prereq., 101 or 231.
- 392-3 Comparative Government (Latin American). A comparative study of the political systems of Latin American republics, with special attention given to Mexico and Argentina. 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 measurements; the use of test results; principles of learning and their application to teaching; and individual differences. Prereq., Psych. 201. Offered every term.
- 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.
- 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 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 standardized tests with emphasis on the administering, scoring, and interpreting of such tests as 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, interpretation and construction of classroom tests. Prereq., 305 or equivalent.
- 422-4 Basic Principles of Guidance. A basic introductory course. A rapid survey of the organization and supervision of educational, social, and vocational guidance in public schools. A first course for counselors, advisers, deans, teachers, school administrators, and others interested in guidance. Prereq., 305 or equivalent.

GUIDANCE

continued

- 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

- 100-4 Healthful Living.
- 400-4 Health Appraisal of School Children. The role of the teacher in the health appraisal of the school child, including 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 overall 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. Courses 201 includes national and state constitutional principles as required by Illinois Law. Prereq., sophomore standing.

HISTORY continued

- 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. Mr. Wright. 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 Britian to 1603; 323: 1603-1815; 324: since 1815. Mr. Cherry. Prereq., freshman survey.

INDUSTRIAL ARTS

- 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, inter-sections, and developments, and their application in industry. Prereq., 205, Math112.

INSTRUCTIONAL MATERIALS

- 417-4 Audio Visual Methods in Education.
- 546-4 Integration of Audio Visual Aids in the Classroom.
- 548-4 Supervision and Administration of Audio Visual Programs.

MANAGEMENT

- 170-4 Introduction to Business Administration. A survey of business, intended to give 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.
- 271-4 Business Writing. Principles and pratice in writing typical kinds of business correspondence and reports. Prereq., Eng. 103. Ability to pass qualifying test in typewriting.
- 371-4, 372-4, 373-4 Business Law I, II, III. Legal problems in the normal business relations, including the law of contracts, agency, sales, bailments, negotiable instruments, insurance, private property, and business organizations.
- 375-4 Personnel Management. Relation of the human element to production; the art of securing understanding and co-operation; 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 Transportation. Evolution of American transportation systems, and of the current problems of transportation facilities in connection with governmental control and regulation. Prereq., 330.
- 332a-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. Sections designated as 106c cover a regular course in intermediate algebra. 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 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.
- 251-4 Calculus I. The elements of the differential and integral calculus. Prereq., 113.
- 252-4 Calculus II. Additional applications of differential calculus, additional methods of integration. Prereq., 251.

MATHEMATICS continued

- 253-4 Calculus III. Additional applications of integration, multiple integrals, series, and partial derivatives. Prereq., 252.
- 305-3 Differential Equations I. The classical first course in methods of solving ordinary differential equations. Prereq., 253.
- 306-3 Differential Equations II. Self adjoint equations, Sturm's theorem, characteristic functions, orthogonal functions, Laplace transform techniques, and certain partial differential equations of physics. Prereq., 305.
- 452-3, 453-3, 454-3 Advanced Calculus. Prereq., 253.

NURSING

- 101-4 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 Nursing. Continuation of 101.
- 103-4 Nutrition.

PHILOSOPHY

- 302-4 World Religions. An historical and comparative study of the principle religions of the world, including such non-Christian faiths as Hinduism, Buddhism, and Islam.

PHYSICAL EDUCATION -- (MEN'S)

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

PHYSICAL EDUCATION -- (MEN'S) continued

- 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.

PHYSICAL EDUCATION -- (WOMEN'S)

- 101-1 3 hrs. varied activity including speedball. Techniques, skills, and team tactics.
- 102-1 3 hrs. varied activity including basketball and posture correction.
- 103-1 3 hrs. varied activity including volleyball and Folk Games.
- 213-1 3 hrs. varied activity, including softball.
- 215-1 3 hrs. varied activity, including badminton.
- 216-1 3 hrs. varied activity, including tennis.

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).
- 207-5 College Physics (Electricity and Magnetism). A continuation of 206. Prereq., 206.
- 208-5 College Physics (Heat and Light). A continuation of 206 and 207. Prereq., 206.
- 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).

PHYSICS

continued

- 213-5 University Physics (Heat and Light). A continuation of 211 and 212. Prereq., 211 and Math. 252 (or concurrent enrollment in Math. 252).
- 301-5 Mechanics. An intensive study of advanced mechanics, using vector notation. Emphasis on kinematics and particle dynamics. Prereq., 206 or 211; and Math 253 (or concurrent enrollment in Math. 253).
- 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 photo-electric 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 adaptive 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).

SECRETARIAL SCIENCE continued

- 106-4 Shorthand II. Continuation of 105.
- 107-4 Shorthand III. Continuation of 106.
- 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 equiv.
- 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. (Placement tests are given during freshman orientation week and again during the fourth week of each quarter).
- 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.

RELIGIOUS EDUCATION

- 283-3 Life of Jesus. A study of the life and teachings of Jesus.
- 284-3 Life of Paul. A study of the life and writings of St. Paul.
- 301-3 Old Testament History. A study of the Old Testament books from the point of view of historical background, authorship, and content.
- 302-3 New Testament History. A study of the background, content, and structure of the books of the New Testament.

SOCIOLOGY

- 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.

SOCIOLOGY continued

- 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.
- 235-4 Introduction to Social Work. The fields of professional social work; theories, objectives, and procedures. Mr. Edgar. Prereq., 101 or 200.
- 301-4 Juvenile Delinquency. Nature of juvenile delinquency; factors contributing to delinquent behavior; treatment and prevention. Mr. Petroff. Prereq., 101 or 200.
- 311-4 Urban Sociology. The rise, development, structure, culture, planning and problems in early and modern cities. 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. Mr. Johnson. Prereq., 101 or 200.

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.
- 102-4 Public Speaking. Analysis of audience motives and reactions stressed in the approach to speech preparation for typical public speaking situation.
- 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.
- 256-4 Fundamentals of Radio Writing. Writing in the oral style and for sound. Short continuity forms. Creation and scripting of simple program ideas. Production and recording of scripts for evaluation of writing.
- 302-4 Play Production. Selection and production of plays for the educational theater.

