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46-47

*Bulletin*

MARSHALL COLLEGE

*Graduate Division*

1946-1947



**A STATE COLLEGE**

HUNTINGTON, WEST VIRGINIA

## WEST VIRGINIA BOARD OF EDUCATION

Charleston, West Virginia

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ROBERT D. BAILEY.....	Pineville
WALTER L. HART.....	Morgantown

The State Board of Education has control and supervision over the college in matters of academic nature.

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## WEST VIRGINIA BOARD OF CONTROL

Charleston, West Virginia

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DELL WHITE, <i>Secretary</i> .....	Danville
L. STEELE TROTTER, <i>Treasurer</i> .....	Charleston

In the management of colleges, the State Board of Control has the direction of the financial and business affairs.

Marshall College is accredited as a degree-granting institution by the North Central Association of Colleges and Secondary Schools and by the American Association of Teachers Colleges.

Volume XXX

JUNE 1, 1946

No. 2

Entered as Second Class Mail Matter at the Post Office at  
Huntington, West Virginia, April 4, 1920.

## OFFICERS OF ADMINISTRATION

- JOHN DAVIS WILLIAMS, A.B., M.A., Ed.D.....*President*
- STEWART H. SMITH, B.S., M.A., Ph.D.....*Associate Dean, Teachers College*
- JOHN FRANK BARTLETT, A.B., M.A., Ph.D.  
*Associate Dean, College of Arts and Sciences*
- CHARLES E. HEDRICK, A.B., M.A., Ph.D.....*Chairman, Graduate Council*
- LILLIAN H. BUSKIRK, A.B., M.A.....*Dean of Women*
- LUTHER E. BLEDSOE, A.B., M.A.....*Registrar, Director of Admissions,  
Acting Dean of Men, and Director of Veterans Service*
- L. MARIE WHITE, A.B., M.A.....*Assistant Registrar*
- VETA LEE SMITH, A.B., M.A.....*College Secretary*
- HARRY D. KEITH, A.B., M.Ed.....*Comptroller and Business Manager*
- ROSA V. OLIVER, A.B., Library Certificate.....*Librarian*
- CHARLES A. HOFFMAN, M.D.....*College Physician*



# **GRADUATE DIVISION**

**ADMINISTRATION**

**FACULTY**

**ADMISSION**

**OBJECTIVES**

**DEGREE REQUIREMENTS**

**COURSES OF INSTRUCTION**

## THE GRADUATE COUNCIL

CHARLES EMBURY HEDRICK, Ph.D., (*Chairman*), *Professor of History*, (to 1946).

MARIUS BLESİ, Ph.D., *Professor of English*, (to 1947).

HOLLIE CLAYTON DARLINGTON, Ph.D., *Professor of Biology*, (to 1947).

LESLIE M. DAVIS, Ph.D., *Professor of Geography*, (to 1949).

ARVIL E. HARRIS, Ph.D., *Professor of Political Science*, (to 1948).

AUGUSTUS HAYES, Ph.D., *Professor of Sociology*, (to 1948).

KENNETH KARL LOEMKER, Ph.D., *Associate Professor of Psychology*, (to 1950).

LESLIE JAY TODD, Ph.D., *Professor of Chemistry*, (to 1945).

ROY CLEO WOODS, Ph.D., *Professor of Education*, (to 1945).

JOHN FRANK BARTLETT, Ph.D., (*ex officio*), *Associate Dean of the College of Arts and Sciences and Professor of Chemistry*.

STEWART H. SMITH, Ph.D., (*ex officio*), *Associate Dean of Teachers College and Professor of Education*.

## THE GRADUATE FACULTY

- JOHN FRANK BARTLETT, *Professor of Chemistry*,  
Ph.D., 1932, West Virginia University; post-doctorate study, 1936-37, University  
of Zurich, University of Edinburgh, and Technische Hochschule in Munich.
- MARIUS BLESİ, *Professor of English*,  
Ph.D., 1938, University of Virginia.
- MAURICE GWINN BURNSIDE, *Professor of Political Science*,  
Ph.D. 1938, Duke University.
- HOLLIE CLAYTON DARLINGTON, *Professor of Biology*,  
Ph.D. 1942, University of Chicago.
- LESLIE M. DAVIS, *Professor of Geography*,  
Ph.D. 1935, University of Chicago.
- \*CONLEY HALL DILLON, *Professor of Political Science*,  
Ph.D. 1936, Duke University.
- RALPH M. EDEBURN, *Assistant Professor of Zoology*,  
Ph.D. 1938, Cornell University.
- ARVIL E. HARRIS, *Professor of Political Science*,  
Ph.D. 1936, State University of Iowa.
- AUGUSTUS HAYES, *Professor of Sociology*,  
Ph.D. 1920, University of Wisconsin.
- HAROLD M. HAYWARD, *Associate Professor of Sociology*,  
Ph.D. 1937, Clark University.
- CHARLES EMBURY HEDRICK, *Professor of History*,  
Ph.D. 1927, George Peabody College for Teachers.
- GEORGE WASHBURN HOWGATE, *Professor of English*,  
Ph.D. 1933, University of Pennsylvania.
- GENEVIEVE NANNETTE KING, *Instructor in Botany*,  
Ph.D. 1940, State University of Iowa.
- ALLEN CONNABLE KLINGER, *Professor of History*,  
Ph.D. 1930, University of Wisconsin.
- KENNETH KARL LOEMKER, *Professor of Psychology*,  
Ph.D. 1941, University of Chicago.
- STEWART H. SMITH, *Professor of Education and Associate Dean of Teachers College*,  
Ph.D. 1943, Syracuse University.
- LESLIE JAY TODD, *Professor of Chemistry*,  
Ph.D. 1931, Columbia University.
- HORACE GRESHAM TOOLE, *Professor of History*,  
Ph.D. 1932, University of Pennsylvania.
- ROY CLEO WOODS, *Professor of Education*,  
Ph.D. 1927, University of Iowa.



## THE COLLEGE CALENDAR 1946-1947

Registration.....	Monday, June 3, 1946
Classes begin.....	Tuesday, June 4, 1946
First five weeks term closes.....	Monday, July 8, 1946
Second five weeks term begins.....	Monday, July 8, 1946
Second five weeks term closes.....	Saturday, August 10, 1946
COMMENCEMENT.....	Saturday, August 10, 1946
Third five weeks and three weeks terms begin.....	Monday, August 12, 1946
Three weeks term (Teachers College) closes.....	Saturday, August 31, 1946
Third five weeks term closes.....	Saturday, September 14, 1946

### SESSION 1946-1947

#### First Semester

September 13-18.....	Freshman Orientation
September 19, Thursday, 8:30-4:30.....	Freshman Registration
September 20, Friday, 8:30-4:00.....	Upper-class Registration
September 20, Friday, 7:00-9:00 P. M.....	Registration Part-time Students
September 21, Saturday, 8:30-12:00.....	Registration
September 23, Monday.....	Classes begin
	Late Registration begins
September 28, Saturday.....	Last day for change of schedule
	Registration closes
November 18.....	Mid-semester Reports
November 27, Wednesday noon-December 2, Monday 8:00 A. M.	Thanksgiving Recess
December 21, Saturday noon-January 6, 1947, 8:00 A. M.	Christmas Recess
January 6, 1947, 8:00 A. M.....	Classes reconvene
February 1, 1947.....	Semester ends

#### Second Semester

February 3, 4, 5, Monday, Tuesday, Wednesday	Freshman Orientation and Registration
February 6, Thursday, 8:00 A. M., Classes begin. Late Registration begins	
February 7, Friday, 7:00-9:00.....	Registration Part-time students
February 13, Thursday.....	Registration closes
	Last day for change of schedule
April 3, Thursday noon-April 8, Tuesday 8:00 A. M.....	Easter Recess
April 17.....	Mid-semester Reports
May 31, Saturday.....	Alumni Day
June 1, Sunday.....	Baccalaureate Sermon
June 2, Monday.....	COMMENCEMENT
	Semester ends
June 4, Wednesday.....	Summer Session Opens

**FEES AND EXPENSES**

All registration fees are due and payable at the office of the financial secretary on the day of registration.<sup>1</sup>

The financial secretary accepts cash, postal money orders, or approved personal checks written for the exact amount of the obligation.

**REGISTRATION FEES****Full-time Students (twelve or more semester hours)**

	Resident of West Virginia	<sup>2</sup> Non- resident
Tuition Fee -----	\$30.00	\$50.00
Student Activity Fee -----	7.00	7.00
Hospitalization Fee -----	.75	.75
<b>Part-time Students (less than twelve semester hours)</b>		
<b>Fee per Semester Hour<sup>3</sup></b>		
Resident Classes -----	3.00	5.00
Extension Classes -----	5.00	5.00

**SPECIAL FEES**

Late Registration Fee <sup>4</sup> -----	\$ 2.00
Graduation Fee (Baccalaureate Degree) -----	5.00
Graduation and Thesis Fee (Graduate Degree) -----	10.00
Fee for Change of Schedule (after eighth day) -----	1.00

**Music Fees:**

Piano, Head Teacher, per semester -----	40.00
Two half-hour sessions a week)	
Piano, Assistant, per semester -----	36.00
Two half-hour sessions a week)	
Piano, Class for Beginners -----	10.00
Piano Practice, one hour per day -----	3.00
Voice, per semester -----	50.00

**LABORATORY FEES**

Laboratory fees are stated in the description of the course (see Courses of Instruction).

<sup>1</sup>PAYMENT OF FEES: By an act of the 1943 Legislature students shall pay fees prior to admission to classes. No refund of fees shall be made except when students withdraw within the first eight weeks of the semester.

<sup>2</sup>NON-RESIDENT FEES: The term "non-resident fees" shall apply to and include those students from foreign states who move into the vicinity of a state college for the purpose of attending college and who will return to their former places of abode without the State of West Virginia at the close of the school or shortly thereafter.

The term shall not apply to nor include those students whose parents have moved from foreign states and who have declared their intention of becoming bona fide residents of the State of West Virginia at the close of school or shortly thereafter. The children of such parents shall be admitted to the college under the direction and supervision of the State Board of Education on payment of fees required of bona fide residents of the State.

<sup>3</sup>FEE PER CREDIT HOUR: This fee does not include a student activity book. Part-time students may purchase the book for \$5.50.

<sup>4</sup>Penalty for those who register after the registration date stated in the catalogue.

**ROOM RENT**  
(Per Semester)

**Laidley Hall:**

Small doubles, each student -----	\$36.00
Large doubles, each student -----	40.00
Singles -----	45.00
Small double with single occupant -----	54.00

**Hodges Hall:**

Small doubles, each student -----	\$40.00
Large doubles, each student -----	45.00
Singles -----	45.00
Large singles -----	50.00

**College Hall:**

Double rooms, each student -----	\$30.00
Single room -----	35.00
Small double with single occupant -----	45.00

A ten-dollar (\$10.00) deposit is required with all room reservations. When a reservation is cancelled eight dollars (\$8.00) will be refunded if the cancellation is received in the office of the Dean of Women (girls) or the Dean of Men (boys) one week prior to the date of registration each semester. No student may occupy a room in a dormitory hall until the ten-dollar deposit has been paid. The deposit will be credited to the semester's room rent.

Room assignments are made in order of application.

**BOARD**

All students living in the dormitories must take their meals in the College Dining Hall. Meals are available to students rooming off the campus at the same rate as resident students.

The cost of board is \$112.50 for each semester of eighteen weeks. Board may be paid in full upon entrance or in two equal installments each semester. The first installment is due and payable on the day of registration. The second installment is due on November 1 for the first semester and, for the second semester, on April 1.

Two per cent (2%) consumers' sales tax will be added to the board and room charges. This tax must be paid in full each semester on the first room and board payment.

Single meals, to faculty and local students: breakfast, \$.25; lunch, \$.35; dinner, \$.45.

NOTE: No deduction or refund will be made in room and board charges for short absences (less than one week).

\*On leave.

## ESTIMATE OF EXPENSES

Estimated semester expenses of a student at Marshall College are outlined in the following table. These estimates are made of both minimum and average expenses and cover the usual charges for board, room, tuition, and fees which are paid to the college. In addition, the costs of college supplies, personal and social expenses are calculated.

	Minimum	Average
TUITION -----	\$ 37.00	\$ 37.00
Hospitalization -----	.75	.75
Board -----	112.50	112.50
Room -----	30.00	45.50
Books, Gym Outfit -----	15.00	20.00
Supplies, laboratory fees, etc -----	5.00	10.00
Social and Personal -----	30.00	50.00
	\$230.25 plus tax	\$275.75 plus tax
Out-of-state students pay an additional fee of -----	\$ 20.00	\$ 20.00

Tuition, hospitalization fees, dormitory room rent, at least \$54.00 of the board, books, and all tax are payable at the beginning of the semester.

Included in the tuition is an activity fee that entitles students to an Artists' Series ticket for the season, athletic ticket, copies of each Parthenon (college paper) a ticket to the College Theatre plays, use of the Student Union, and the advantage of hearing lectures brought to the Marshall College Auditorium.

## REFUND OF FEES

Students who withdraw regularly from college may have a refund in accordance with the following schedule:

To withdraw regularly from a college a student must fill out the card used for this purpose; have it approved by the academic dean, the social dean, and the librarian; and deposit it with the registrar. (A student who withdraws irregularly from college is not entitled to a refund.) Regulations governing withdrawal shall apply to all students, full-time and part-time.

A full-time student is one registered for twelve (12) or more semester hours during a semester.

A part-time student is one registered for less than twelve (12) semester hours during a semester.

## I. Withdrawal from college of part-time students

- a. During the first and second weeks of the semester, students carrying four hours or less shall be refunded the full amount paid, less \$0.50 for each semester hour enrolled. All students enrolled for five (5) or more hours shall be refunded all fees less \$2.50.

- b. After the second week of the semester, all refunds to part-time students shall be on the same percentage basis as to full-time student outlined in Item III below.
- c. Withdrawals from Extension Classes. No refund will be granted to a student withdrawing from an extension class unless such withdrawal is due to faculty and/or administrative action.

## II. Reduction of academic load by part-time students

- a. During the first and second weeks of the semester, students carrying four (4) semester hours or less shall be refunded the full amount less \$0.50 for each semester hour dropped.
- b. During the first and second weeks of the semester students carrying five (5) or more hours shall be refunded all fees less \$2.50.
- c. After the second week of the semester all refunds shall be on the same percentage basis as refunds for full-time students, outlined in Item III below.
- d. No refund will be granted to any full-time student who by reason of dropping courses, unless by administrative action, acquires the status of a part-time student.

## III. Withdrawal from college of full-time students

Students who withdraw regularly from the college may have a refund in accordance with the following schedule:

During the first and second weeks.....	All tuition fees less \$2.50
During the third and fourth weeks.....	80% of tuition fees
During the fifth and sixth weeks.....	60% of tuition fees
During the seventh and eighth weeks.....	40% of tuition fees
Beginning with the ninth week.....	No refunds allowed

## IV. Withdrawals due to administrative action

When it becomes necessary to cancel a class by administrative and/or faculty action, all students involved will be granted full refund for the class cancelled unless the students register in another course of like value in terms of semester hours. This section shall not apply to withdrawals due to disciplinary action.

## V. Fee for change of class schedules

One dollar will be charged for each change in a student's schedule, after it has been approved by the dean, and after the eight-day period allowed for changes. This charge shall be waived in those cases where the change is required or desired through no fault of the student, or when caused by incorrect information or errors on the part of the college. A change of schedule includes any addition to, subtraction from or substitution in original schedule.

The respective deans shall notify the registrar of all schedule changes on pink "Change of Schedule Cards." This card must carry a notation from the dean as to whether the change of schedule fee is to be charged or waived.

#### VI. Fees for fractional hour courses

Tuition for one-half semester hour courses or other fractional hour credit shall be the same as that charged for one semester hour. The present rate of three dollars (\$3.00) per semester hour shall apply to each hour or fraction thereof.

#### VII. Fees for auditing courses

- a. Faculty members may audit courses without charge. All faculty members desiring to audit courses must secure the approval of their dean as well as that of the instructor of the course or courses they desire to audit. It will, also, be necessary for them to enroll in the regular manner for such courses.
- b. All persons other than faculty members who desire to audit classes shall enroll and pay fees in the same manner and at the same tuition rate as students enrolling for credit.

#### VIII. Refund of laboratory fees

No refunds will be granted on laboratory fees unless a student is required to withdraw from a laboratory class by administrative action.

### GRADUATE COURSES AND GRADUATE DEGREES

In October, 1938, the State Board of Education approved regulations under which Marshall College is authorized to conduct graduate instruction leading to Master of Arts and Master of Science degrees. Such graduate work was first given during the summer session of 1939.

Ordinarily the Master of Arts degree will follow the Bachelor of Arts degree, and the Master of Science degree will follow the Bachelor of Science degree; however, in case a Bachelor of Arts degree has been received on qualifications which meet present requirements for Bachelor of Science degree, either the Master of Arts or the Master of Science degree may follow, at the option of the candidate.

For the present, graduate work is restricted to nine departments: biology, chemistry, education, English, geography and geology, history, political science, psychology, and sociology. Other departments will be authorized to offer graduate instruction in the near future.

### ADMINISTRATION

The graduate council directs graduate work, its chairman serving as executive officer in such activities as registration and graduating exercises. An adviser from his major department is assigned each student.

The duty of this adviser is to assist the student in planning his schedule and preparing his thesis.

### ADMISSION

Any graduate of a recognized college may be admitted to graduate courses, admission of graduates of colleges other than Marshall College being based on official transcripts of high school and college credits. These transcripts should be received by the Registrar of Marshall College direct from the institution which granted the undergraduate degree.

While any graduate of a recognized college may be admitted to graduate courses, formal admission to candidacy for the master's degree is a second step, to be taken after the student has completed a full semester of graduate work (at least 12 semester hours). Candidacy is granted by the council upon written application by the student, endorsed by the adviser, and council approval of the student's record, as well as of his plan for completing his work.

All graduates of standard four-year colleges who plan to take starred 400 (\*400) courses, or courses numbered above 400 must register in the Graduate School.

### OBJECTIVES OF GRADUATE WORK

1. To meet a regional need for graduate study within the limits of our personnel and equipment.
2. To aid in the development of a corps of Master teachers as described in the objectives of the policy committee. (See *Report of Policy Committee on Teacher Education Curricula*, David Kirby, Chairman, published by the State Board of Education, Charleston, West Virginia).
3. To prepare the candidate to use and evaluate the better known techniques of research and to appreciate its contribution to knowledge.
4. To adjust our policies and procedures as the needs of the candidates arise.

### DEGREE REQUIREMENTS

Thirty-two hours of graduate credit shall be required for the master's degree. Credit not to exceed six semester hours may be allowed for a problem or thesis completed to the satisfaction of the department. The preparation of a thesis is optional with the major department concerned. A written problem report must be submitted to the department and approved by the Graduate Council in case a thesis is not written and submitted. The amount of credit allowed on the problem report will depend upon the quality and extent of the report.

A minimum of 18 hours and a maximum of 24 hours may be earned in one subject, known as major subject. A minimum of six hours must be earned in a minor subject. Credit may be earned in a third subject if recommended by the adviser and approved by the Council. Whether minimum or maximum hours are to be earned in major subject will depend

upon several factors; for example, the adviser will take into consideration the student's undergraduate preparation and the strength of his graduate performance.

At least half of the hours in the major subject, and at least six hours in the minor subject, must be in strictly graduate courses (in the 500 series). Courses of the 400 series approved by the council may count toward the graduate degree, provided no undergraduate students except seniors are admitted; the graduate students in such courses will be required to do some work of a research character, in addition to the work assigned to seniors in the same classes. (To be classified as senior the student must have at least 90 semester hours of credit.)

The thesis must be sufficiently advanced, one month before the time of graduation, to assure the adviser of its acceptability to the council. Three bound copies of the thesis or problem report must be filed with the chairman of the council not later than two weeks before the date of graduation. The thesis or problem report must be prepared according to the form adopted by the council.

An oral examination covering the thesis and a written examination covering the courses in the major and minor subjects are to be taken under the direction of the council after it appears that the major and minor course work will be successfully completed.

A year's work in residence is required for the master's degree.

The recommended full-time residence requirement is at least eighteen weeks; this may be satisfied by one regular semester or three six-weeks summer terms of full-time residence work on the graduate level. Students who elect to be in full-time residence for this minimum period only will be required to carry part-time residence graduate work for at least four semesters.

The Graduate Council may, upon the student's petition, grant to any graduate student the privilege of transferring to Marshall College, for application on master's degree, a maximum of six hours of graduate credit earned in another institution when, in the judgment of the Council and the major department, such credit is to the advantage of the student's graduate program. The acceptance of such graduate credit shall not reduce the requirement of thirty-six weeks of residence as graduate students in Marshall College, except in the case of holders of Marshall College undergraduate degrees.

The average of grades earned in courses applied on master's degree may not be lower than B; not more than six hours of work with C grades may be applied; no course with grade lower than C will be counted toward the degree.

Requirements for the master's degree must all be met within a maximum period of five years.



Seniors who, in the last term or semester of undergraduate work, have less than a normal load to carry for graduation may fill their schedules to normal limits with graduate courses, to be applicable on master's degree.

### DEGREE REQUIREMENTS BY DEPARTMENTS

#### MAJOR OR MINOR IN BIOLOGICAL SCIENCE

Undergraduate course. For major—12 hours in biological science; for minor—6 hours in biological science. This may include courses in biology, botany or zoology.

Graduate course. For major—18-24 hours approved by the adviser; for minor—6-12 hours.

#### MAJOR OR MINOR IN CHEMISTRY

Undergraduate prerequisites for either major or minor

I. 24 hours of chemistry, or equivalent, including

A. General chemistry ----- 2 semesters

B. Analytical chemistry (including qualitative and  
quantitative) ----- 2 semesters

C. Organic chemistry ----- 2 semesters

II. Mathematics through differential and integral calculus.

III. Two years of German. A reading knowledge of French is recommended.

Before the student is admitted to candidacy for a master's degree with major in chemistry (after 12 to 15 hours of graduate work have been completed), he must pass a written comprehensive examination in the three fields of undergraduate chemistry: general, analytical, organic.

Graduate Courses. For major—18 to 24 hours approved by the adviser; for minor—6 to 12 hours.

#### MAJOR OR MINOR IN EDUCATION

Undergraduate prerequisite for either major or minor. 15 hours of education.

Graduate course. For major—18 to 24 hours approved by the adviser; for minor—6 to 12 hours.

Programs A, B, C cover course requirements leading to county superintendent's certificate; elementary-school principal's certificate, secondary-school principal's certificate, respectively; the student should not overlook the experience requirements for such certificate.

Program D is intended for students majoring in education who are not working toward any administrative certificate, being primarily interested in classroom teaching.

#### Program A

1. Required courses ----- 18 hours  
Ed. 501, 502, 503, 504, 505, 506, 507, 508, 522.
2. Required electives ----- 2 hours  
Ed. 510, 511, 520 or 521.
3. Permitted electives ----- 4 hours  
Any education courses open to graduate students.

#### Program B

1. Required courses ----- 10 hours  
Ed. 501, 504, 506, 507, 522.
2. Required electives ----- 8 hours  
From Ed. 415, 510, 520, 521, 531—4 hours.  
Other education courses open to graduate students—4 hours.
3. Permitted electives ----- 6 hours  
Any education courses open to graduate students.

#### Program C

1. Required courses ----- .10 hours  
Ed. 501, 505, 506, 508, 522.
2. Required electives ----- 8 hours  
From Ed. 415, 460, 511, 520, 521, 532—4 hours.  
Other education courses open to graduate students—4 hours.
3. Permitted electives ----- 6 hours  
Any education courses open to graduate students.

#### Program D

1. Required courses ----- 2 hours  
Education 522.
2. Recommended courses:  
Ed. 415, 460, 510 or 511, 515, 520, 521, 531 or 532, 540, 541.

#### MAJOR OR MINOR IN ENGLISH

Undergraduate prerequisite. For major—12 hours of English literature or combination of English and American literature; for minor—6 hours of English literature.

Graduate courses. For major—18-24 hours approved by the adviser; for minor—6-12 hours, of which at least 6 hours should be in courses 500-599.

## MINOR IN GEOGRAPHY

(At present no major program is offered in this field)

Undergraduate prerequisite. For minor—6 hours in Geography.

## MAJOR OR MINOR IN HISTORY

Undergraduate prerequisite. For major—6 hours of American history, 6 hours of European history; for minor—6 hours of history.

Graduate courses. For major—18 to 24 hours approved by the adviser; for minor—6 to 12 hours.

## MAJOR OR MINOR IN POLITICAL SCIENCE

Undergraduate prerequisite. For major—12 hours of political science; for minor—6 hours.

Graduate courses. For major—18 to 24 hours approved by the adviser; for minor—6 to 12 hours.

## MAJOR OR MINOR IN PSYCHOLOGY

Undergraduate prerequisite. For major—12 hours of psychology. It is also recommended that the student have courses in allied fields, such as sociology, neurology, history of (or contemporary schools in) philosophy. A knowledge of chemistry, physics, and mathematics will prove advantageous. For minor—6 hours of psychology, or departmental approval.

Graduate courses. For major—18 to 24 hours approved by the adviser; for minor—6 to 12 hours.

## MAJOR OR MINOR IN SOCIOLOGY

Undergraduate prerequisite. For major—12 hours in sociology. It is recommended that the undergraduate courses include a basic principles course, a course in social origins, one in social institutions, and a course in one of the fields of social disorganization. In addition, the student must present 12 hours of credit in two or more of the following subjects: history, political science, economics, psychology. For minor—at least 6 hours in sociology, which must include a basic principles course of two or three hours.

Graduate courses. For major—18 to 24 hours approved by the adviser, includes Sociology 403\*, 418\*, 501; for minor—6 to 12 hours.

**COURSES OF INSTRUCTION BY DEPARTMENTS****BIOLOGICAL SCIENCE****Courses Open to Undergraduate Seniors and Graduate Students****401.\* Laboratory Technique. Zoology. Two hours.**

The methods, devices and apparatus of biological research are studied in some detail. The basic principles and practices of culturing, collecting, caring for, and preservation of laboratory animals are taken up and practice is given in setting up student and demonstration experiments.

Prerequisites: Zoology 201 or equivalent course.

**402.\* Vertebrate Natural History. Zoology. Three hours.**

A study of the various vertebrate groups exclusive of birds, with emphasis on their origin, classification, life history, habitats, and distribution. Two lectures and one two-hour laboratory period each week.

Prerequisites: Zoology 202 or equivalent course.

**404.\* Plant Taxonomy. Botany. Five hours.**

The identification and classification of the flowering plants and ferns of eastern United States. Each student will prepare a small herbarium. Field trips will be planned to introduce the student to methods of field work.

**409.\* Animal Ecology. Zoology. Four hours.**

A study of animals in relation to their environment, including collection and examination of material from the common types of habitats. Two lecture and two two-hour laboratory periods each week.

Prerequisites: Zoology 201 or equivalent course.

**411.\* Biology Seminar I. One hour.****412.\* Biology Seminar II. One hour.****503. Advanced Entomology. Zoology. Four hours.**

Taxinomic and economic studies of the insects as a major group of animals. A collection of insects with identification will be required.

**504. Problems in Plant Physiology. Botany. Four or five hours.**

A study of the principles of plant physiology as applied to problems of the laboratory, greenhouse, and field culture.

**505. Advanced Economic Botany. Four hours.**

A study of the origin and development of economic plants with special emphasis upon problems of distribution in relation to possible future use of many plants not widely known.

**506. Problems in Ecology. Biology. Three or four hours.**

Problems dealing with environmental factors and their control of the development and distribution of animal and plant communities.

507. **Problems in Genetics. Biology.** Four hours.  
A study of the principles of genetics as applied to plants and animals, and the application of these principles in the field of modern methods of plant and animal breeding, including human applications.
508. **Problems in Ornithology. Zoology.** Three hours.  
A study of birds which emphasizes field identification, habitat distribution, breeding habits, migration, and their economic and cultural values.
580. **Thesis or Problem Report I.** One to three hours.
581. **Thesis or Problem Report II.** One to three hours.

### CHEMISTRY

#### Courses Open to Undergraduate Seniors and Graduate Students

- 403.\* **Advanced Inorganic Chemistry.** Two hours.  
Complex metallic compounds, Werner theory, newer theory of valence, and the compounds of the lesser known metals.  
Prerequisites: Physics; analytical and organic chemistry.
- 404.\* **Colloid Chemistry.** Two hours.  
A study of colloidal solutions, inorganic and organic, from a chemical viewpoint.  
Prerequisite: Chemistry 307.
- 411.\* **Physical Chemistry.** Three hours.  
A general course in physical chemistry. First semester.  
Prerequisites: Analytical and organic chemistry; physics, mathematics through calculus.
- 412.\* **Physical Chemistry.** Three hours.  
A continuation of Chemistry 411.  
Prerequisite: Chemistry 411.
- 413.\* **Experimental Physical Chemistry.** Two hours.  
Experiments in viscosity, molecular weight determination, vapor density, etc.  
Prerequisite or parallel: Chemistry 411.
- 414.\* **Experimental Physical Chemistry.** Two hours.  
Experiments in rates of reaction, electromotive force, gas cells, salt effect, etc.  
Prerequisite: Chemistry 413.

#### Courses Open to Graduate Students Only

501. **Advanced Organic Chemistry.** Four hours.  
A more comprehensive survey of the aliphatic and aromatic series with attention to the application to the theories of organic chemistry.  
Prerequisite: Chemistry 302.

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\*Undergraduate Courses Open to Graduate Student.

- 502.\* **Quantitative Organic Chemistry.** Two hours.  
Ultimate analysis of organic compounds.  
Prerequisite: Chemistry 302.
504. **Qualitative Organic Chemistry.** Three hours.  
A study of the identification of organic compounds including the separation and identification of these compounds in mixtures.  
Prerequisite: Chemistry 302.
516. **Chemical Kinetics.** Three hours.  
A study of the rates and reactions in simple, gaseous, and liquid phases.  
Prerequisite: Chemistry 412.
531. **Seminar.** One hour.  
Required of all graduate students.
532. **Seminar.** One hour.  
Required of all graduate students.  
Prerequisite: Chemistry 531.
533. **Research for Master's Degree.** Two hours.  
A special problem, the completion of which furnishes the basis of the master's thesis.
534. **Research for Master's Degree.** Four hours.  
Continuation of Chemistry 533.
580. **Thesis or Problem Report I.** One to three hours.
581. **Thesis or Problem Report II.** One to three hours.

## EDUCATION

## Courses Open to Undergraduate Seniors and Graduate Students

415. **History of Modern Education.** Three hours.  
Historical backgrounds of our public school system since the Renaissance. The course follows two main lines: development of educational practice; development of theory of education. Formerly Ed. 315.
460. **Philosophy of Education.** Three hours.  
Contemporary educational thinking and practice in relation to the principal types of philosophy now current—realism, idealism, pragmatism. Educational literature examined for evidences of the influences of philosophical points of view. Seniors may take the course for either two or three hours of credit.

## Courses Open to Graduate Students Only

501. **General School Administration: Basic Course.** Two hours.  
In this course such topics as the following will be studied: Educational policy; state and national participation in school administration; state, county, and local boards of education; relation of schools to other social agencies; community relations; organization

of staff; such staff problems as training, selection, assignment, tenure, promotion, salaries, absence, retirement, professional ethics; sources of school statistics; school census; pupil attendance; provision for pre-school and adult education.

- 502. General School Administration: Financial Aspects.** Two hours.  
A continuation of Ed. 501, which is prerequisite. A study of business administration of schools will be made in this course, using such topics as the following: Basic principles of school finance; taxation for school support; ability of the community to pay; school bonds; budgeting; accounting and auditing; economy procedure; payroll management; insurance.
- 503. General School Administration: Plant and Equipment.** Two hours.  
A continuation of Ed. 501, 502; Ed. 501 is prerequisite. In this course an intensive study will be made of the school plant, equipment and supplies. Topics to be studied will include: Planning school buildings; architectural service; maintenance and upkeep; custodial care; transportation equipment and its use.
- 504. Elementary School Administration.** Two hours.  
A careful study of the elementary school principalship, and the duties and responsibilities attaching to it. Relations between superintendent, principal, teachers. Study of the elementary school itself.  
Prerequisite: Ed. 501.
- 505. Secondary School Administration.** Two hours.  
A careful study of the secondary school principalship, and the duties and responsibilities attaching to it. Relations between the superintendent, principal, teachers. Study of the secondary school itself.  
Prerequisite: Ed. 501.
- 506. Supervision of Instruction: Basic Course.** Two hours.  
A study of principles of supervision and techniques used in supervising the instructional work of the public schools.
- 507. Supervision of Elementary School Instruction.** Two hours.  
This course is an application to elementary school subjects of the principles and techniques studied in Ed. 506, which is prerequisite.
- 508. Supervision of Secondary School Instruction.** Two hours.  
This course is an application to secondary school subjects of the principles and techniques studied in Ed. 506, which is prerequisite.
- 510. Curriculum-making Laboratory: Elementary Schools.** Two hours.  
Operating on the workshop idea this course avoids systematic lecture, readings, and discussions. Members of the class will be expected to acquaint themselves with the best current books on curriculum-making, and with typical curricula. They will do a good deal of work cooperatively and individually, in curriculum construction. Informal conferences and actual work on projects are essentials of the course, each member of the class undertaking and completing a piece of curricular selection and organization.

511. **Curriculum-making Laboratory: Secondary Schools.** Two hours.  
Follows the plan of Education 510, but is concerned with the secondary school instead of the elementary school.
512. **Public School Counseling.**
515. **History of Education in the American States.** Two hours.  
The development of the school systems of selected states will be studied in some detail. Factual accounts will be sought; no attention given to educational theory.
520. **Statistical Methods in Education.** Two hours.  
Techniques of computing statistical summaries of extended data: averages, dispersions, correlations; graphic methods; interpretation of published statistical tables.
521. **Tests and Measurement.** Two hours.  
Restricted to measurement of school achievement. An advanced course presupposing Ed. 230 or Ed. 430. Technical aspects of test construction. Critical examination of published test materials.
522. **Research Methods and Problems.** Two hours.  
Approximately half of this course is devoted to a study of investigative methods and techniques; for the remainder of the course the student applies these methods and techniques to individual problems in seminar manner. Each student pursues a problem appropriate to the program he is pursuing.  
Required of all graduate students majoring in education.
531. **Psychology of Elementary Subjects.** Two or three hours.  
Formerly Ed. 302. Analysis of the mental processes involved in the study of the several elementary school subjects.
532. **Psychology of Secondary School Subjects.** Two or three hours.  
Formerly Ed. 402. Analysis of the mental processes involved in the study of the several secondary school subjects.
540. **Current Literature of Education.** Two hours.  
An extensive, rather than intensive, reading course. Each student reads and reports upon a group of the outstanding recent books on education. The intention of the course is to provide a supplement to intensive courses so that the student will have given some attention to nearly all phases of the educational situation. From a provided list the student selects his reading material, avoiding such books as relate to topics of which his other courses treat.
541. **Supplementary Educational Agencies.** Two hours.  
A survey of such agencies is undertaken for the purpose of assessing the scope of educative activities not directly a part of public school systems. Such agencies as the following are illustrative: adult education programs, corporation schools, CCC, church schools, boys' and girls' clubs, proprietary schools, women's clubs.
542. **Seminar on Problems of Administration of Elementary Schools.**
543. **Seminar on Problems of Administration of Secondary Schools.**



544. Seminar on Problems of Supervision of Elementary Schools.  
 545. Seminar on Problems of Supervision of Secondary Scholols.  
 580. Thesis or Problem Report I. One to three hours.  
 581. Thesis or Problem Report II. One to three hours.

## ENGLISH

## Courses Open to Undergraduate Seniors and Graduate Students

407. Anglo-Saxon. Three hours.  
 411. Chaucer. Three hour.  
 444. Emerson-Poe-Whitman. Three hours.  
 445. Modern Poetry. Three hours.  
     An intensive study of the poetry of Edwin Arlington Robinson,  
     Robert Frost, and Thomas Hardy.  
     Given the first semester 1944-1945; usually given in alternate  
     years.  
 446. Drama of the Restoration and 18th Century. Three hours.  
     A survey of the drama from 1660 to Sheridan.  
     Usually given in alternate years.  
 447. Studies in the Romantic Poets. Three hours.  
 455. Literary Criticism. Three hours.

## Courses Open to Graduate Students Only

500. Shakespeare. Three hours.  
     An intensive reading of all of Shakespeare's plays.  
 512. A Study of Poetry. Three hours.  
     Formerly English 320.  
 513. Milton. Three hours.  
     A seminar. Formerly English 310.  
 515. Studies in the Victorian Poets. Three hours.  
 520. Contemporary Drama. Three hours.  
 544. The American Novel. Three hours.  
     A study of the novel from 1789 to present-day writers.  
 580. Thesis Writing. One to three hours.  
 581. Thesis Writing. One to three hours.

## GEOGRAPHY

## Courses Open to Undergraduate Seniors and Graduate Students

410. Urban Geography. Three hours.  
     A study of the geography of cities with special attention given

to larger cities of the United States. Cultural points relating to city grouping, residential and commercial planning within the individual city, transportation network layout, and industrial center planning are studied in checking the natural-cultural relationships observed in each urban setting. Theory and practice are recognized in a test study made in or near Huntington.

**420. Field Geography of West Virginia. Three hours.**

Type areas are studied intensively for the purpose of understanding how industries such as lumbering, mining, agriculture, and transportation have made adaptations to these areas.

Students registering in this course will spend at least two weeks in the field under the direction of the instructor.

**Courses Open to Graduate Students Only**

**501. Problems in the Geography of the Far East. Three hours.**

A study of the agriculture, industry, transportation, and trade of Java, the Philippines, and selected regions in China, Japan, and Siberia. Each member of the class is given a problem to study, following an introductory period in which a sample regional survey is made. Readings are made from a selected list and reports are made to the group.

**502. Problems in the Geography of Europe. Three hours.**

Studies are made in the agriculture, mining, industry, transportation, and trade of selected regions of Europe. Class members may study the geography of a region within the continent or survey the scope of an economic activity over a large area of the continent. In any case human activity and environmental relationships are stressed.

**505. Geography in World Political Affairs. Three hours.**

**506. Field Problems in the Geography of the Tri-State Area. Three hours.**

Study is made of a small geographical region within the tri-state area, documentary material checked, and a written report of these findings made.

**HISTORY**

**Courses Open to Undergraduate Seniors and Graduate Students**

**402. American Diplomacy. Three hours.**

The principles and policies guiding American diplomacy in its various stages of development, and methods commonly employed and the personalities of leading American diplomats. Formerly Hist. 350.

**421. The Era of the Renaissance and the Reformation. Three hours.**

A study of the changes, especially cultural, in Western Europe during the three centuries, 1300-1600.

**422. The French Revolution and the Napoleonic Era. Three hours.**

A study of the causes (1715-1789), sequences (1789-1799), and consequences (1799-1815) of the French Revolution.

426. **European History (1914 to the present).** Three hours.

**Courses Open to Graduate Students Only**

501. **Historical Research.** Three hours.  
The first part of this course is a study of the method and technique of historical research. The second part puts into practice the problems involved in the preparation of a master's thesis.
503. **Constitutional History of the United States.** Two hours.  
A study of the origins and development of American constitutional principles and practices.
504. **Constitutional History of the United States.** Two hours.  
A continuation of History 503.
505. **Social and Economic Problems of the American Colonies.** Three hours.
506. **Social and Economic Problems of the Early National Period in America.** Three hours.
507. **The Old Northwest.** Two hours.  
The study of the problems in connection with the settlement, distribution of land, organization of government, fur trade, conflict with the Indians, and the early social and economic adjustments.
508. **The Civil War and Reconstruction, 1850-1877.** Three hours.  
The abolition movement, king cotton supremacy, secession, social and economic life during the Civil War, and the problems connected with the reconstruction and the transition from agricultural to industrial economy.
509. **Problems of Recent American History, 1877 to Present.** Three hours.
513. **History. Hispanic American History.** Three hours.  
A survey course, a sketch of the colonial period, a study of the movement for independence and the establishment of new governments, a survey of each of the countries during recent years, emphasis upon recent commercial and diplomatic relations with the rest of the world, especially the United States.
514. **History. The American Revolutionary Period.** Three hours.  
A detailed study of the immediate causes, the conduct and results of the Revolution, followed by a study of the establishment of the new state governments, the government under the Articles of Confederation, and adoption of the Constitution.
517. **History. Trans-Allegheny Frontier.** Three hours.
521. **Nineteenth Century England.** Three hours.  
Policies of outstanding leaders such as Canning, Peel, Palmerson, Disraeli, Gladstone, and Salisbury; growth of democracy; reform movements; the Irish problem. Discussion, reports, and term papers.

527. **Problems in Early Modern European History.** Two hours.  
A course for research into certain phases of the history of Europe during the century and a half from 1500 to 1650.
528. **Problems in Recent European History.** Two hours.  
Special investigation into certain historical events in European history from 1871 to 1914 that appear to have aided in causing the World War.
580. **Thesis or Problem I Report.** One to three hours.
581. **Thesis or Problem Report II.** One to three hours.

### POLITICAL SCIENCE

#### Courses Open to Undergraduate Seniors and Graduate Students

405. **International Relations.** Three hours.  
Formerly Pol. Sci. 401. An examination of the forces motivating the conduct of nations in their relations, with special consideration of the rise and development of international institutions. The approach to this study is economic and historical as well as political.  
Prerequisites: Pol. Sci. 201, 202.
406. **Contemporary World Politics.** Three hours.  
Formerly Pol. Sci. 402. A study of present day currents in international affairs, with an examination of the underlying motives of national states. The place of international organizations in the post-war world is given special attention. The current opinion of international observers, both American and foreign, is considered.  
Prerequisites: Pol. Sci. 201, 202.
407. **Oriental Civilization and Politics.** Three hours.  
The semester is spent on contemporary political, social, and economic conditions in Japan, China, and India.
409. **Parliamentary Governments.** Three hours.  
An analysis of the origin, development, structure, and current operation of the English, French, Swiss, and other selected democratic governments.
410. **Modern Dictatorships.** Three hours.  
A study of the ideology, structure, and operation of the totalitarian states, with an effort to compare their methods with democratic procedure.
420. **State Administration.** Three hours.  
It is the purpose of this course to outline the numerous activities in which each of the forty-eight states may be expected to engage today, and to propose ways of organizing suitable agencies for the proper administration of these services. The actual working of these various departments will be discussed and studied from the states' reports.

425. **Early Political Theory.** Three hours.  
An historical survey and examination of the political theories from the time of Plato to Burke, with an effort to show their effect on modern political institutions.
426. **Recent Political Theory.** Three hours.  
A study of the ideas of leading recent political philosophers with particular emphasis on the basic ideologies of the modern democratic and totalitarian states.

**Courses Open to Graduate Students Only**

500. **Trends in American Civilization.** One to three hours.  
The readings and lectures in this course aim to assist the student in understanding the political, economic, social, educational, and spiritual trends in American civilization.  
This course is intended for teachers who are not interested in specialized courses in political science.
501. **Readings in Political Science.** One to three hours.  
Special lines of reading will be outlined in this course to meet the needs and interests of individual students. Regular conferences will be held.  
The course is intended for teachers who are not interested in specialized courses, but will profit by wide reading on topics closely related to their needs.
504. **American Political Ideas.** Three hours.  
A study of the political ideas of representative American thinkers such as Roger Williams, William Penn, Samuel Adams, Thomas Paine, James Madison, Benjamin Franklin, Alexander Hamilton, Thomas Jefferson, John C. Calhoun, Daniel Webster, Abraham Lincoln, Theodore Roosevelt, Woodrow Wilson, Herbert Hoover, Max Lerner, Franklin D. Roosevelt.
506. **American Constitutional Law.** Three hours.  
A case study of constitutional law as related to the structure of American government, giving some attention to the historical background and the conflict of political, social, and economic forces.
511. **The Legislative Process and Legislative Procedure.** Three hours.  
Principles, procedures, and problems of statute law-making in the United States, followed by a critical study of current acts and pending problems before Congress and the state legislature.
515. **Labor Legislation.** Three hours.  
A course devoted to an examination of the theory, organizations, procedure, content, and effect of labor legislation in the state, national, and international sphere.
517. **National Administration.** Three hours.  
Principles of administrative law of the United States are reviewed, followed by a study of the organization and function of administrative departments, boards and commissions in their relation to other branches of the government.

521. **Municipal Administration.** Three hours.  
A study of principles and methods of municipal administration in the United States, including such topics as city planning, zoning, engineering, health, housing, finance, police administration, crime, transportation, playgrounds, poor relief.
523. **Administrative Law.**  
Respective functional provocative procedures in theory in administration are studied and followed by a case study of administrative legal determinants.
524. **Administration of Justice.** Three hours.  
Organization of courts in the United States, trends in the reorganization of judicial machinery, improvement of judicial procedure, socialization of the law, and professional ideals of the bar.
550. **Seminar. Credit to be arranged.** To be offered in connection with courses listed above.
551. **Seminar.** A continuation of 550, in order to give students a better opportunity to perfect research techniques. Credit to be arranged.
580. **Thesis or Problem Report I.** One to three hours.
581. **Thesis or Problem Report II.** One to three hours.

## PSYCHOLOGY

### Courses Open to Undergraduate Seniors and Graduate Students

406. **Theories of Intelligence.** Three hours.  
A study of the nature, genesis, and development of intelligence, individual differences, and mental levels; significance of measuring intelligence; also the relation of intelligence to social efficiency.  
Prerequisite: Seven hours of psychology or consent of instructor.
420. **Mental Measurements.** Three hours.  
Formerly Education 318. Technique and practice in the use of the Stanford-Binet Scale, and other tests—both individual and group; the evaluation of results, and the classification of individuals according to intelligence level.  
Prerequisite: Nine hours of psychology or consent of instructor.
460. **History of Psychology.** Three hours. (First semester.)  
A study of the historical bases and antecedents of present-day psychology with emphasis on the more recent and modern trends in psychology.  
Prerequisite: Seven hours of psychology or consent of instructor.
461. **Systematic Psychology.** Three hours. (Second semester.)  
Open to seniors and graduates only.  
A comparative and critical study of the major points of view according to the various schools of psychology. Emphasis on the more recent and American systems.  
Prerequisite: Seven hours of psychology or consent of instructor.

### Courses Open to Graduate Students Only

501. **Psychology of Exceptional Children.** Three hours.  
A study of child nature, innate tendencies, causes of maladjustment, behavior problems in home, school, and society in general. Consideration will be given to individual differences, motivation, speech disorders, delinquency, lefthandedness, psychopathy, and other personality traits.  
(Not open to students who have had Psychology 503.)
503. **Psychology of the Problem Child.** Three hours.  
A study of child nature, innate tendencies, causes of maladjustment in school, home, and society in general. Remedial measures emphasized.  
Prerequisite: Six hours of psychology or consent of instructor.
506. **Psychology of Mental Deficiency.** Three hours.  
A study of classes and levels of mental deficiency; causes, prevention, training, adjustment, and institutional care; clinics at institutions.
508. **Psychopathology.** Three hours.  
A study of mental abnormalities and mental manifestations, such as hysteria, amnesia, phobias, neurasthenia, hypnosis, dreams, multiple personality, and others. Causes and prevention of development of abnormalities will be given special attention. Clinics and visits to institutions.
514. **The Psychology of Personality.** Three hours.  
A course dealing with the factors involved in the development of the mature personality, with an analysis of the structure of personality; also a critical review of the methods used in measuring personality traits, with practice in the use of certain of those methods.
520. **Clinical Psychology.** Three hours.  
A practical laboratory study of mental and behavior cases, including personal and family history and discussion of the cases based upon clinical tests. An intensive study of testing and training in diagnosis and clinical reports. One hour lecture period, and four hours of laboratory work per week.  
Prerequisite: Psy. 420.
523. **Advanced Experimental Psychology.** One to three hours.  
Special research laboratory problems.  
Prerequisite: Three hours of Experimental Psychology.
580. **Thesis or Problem Report I.** One to three hours.
581. **Thesis or Problem Report II.** One to three hours.
590. **Seminar.** One to three hours.  
Research and reports on topics in one or more of the following fields: experimental, clinical, systematic, abnormal, and others.
591. **Seminar.** One to three hours.  
Continuation of Psychology 590, or other approved topics. Not more than four hours of credit may be earned in seminars.

## SOCIOLOGY

**Courses Open to Undergraduate Seniors and Graduate Students**

401. **Population.** Three hours.  
The problems of population movements, immigration, and assimilation. Studies of population growth and decline, of quality and quantity factors, and of concentration and distribution.  
Prerequisites: Soc. 132 or 232, 300.
403. **Techniques and Methods of Social Investigation.** Four hours.  
A study of the several methods of investigation and research in the fields of social science; sources of data and their evaluation, organization, and presentation. A special project will be required of each student.  
Prerequisite: At least eight hours in Sociology.
418. **Current Social Conflict.** Three hours.  
The analysis of social conflict as found in war, in economic, religious, and professional classes; in family, community, and social classes; causes, types, and results of social conflict.  
Prerequisites Soc. 308, and 311 or 320.
421. **History of Social Thought.** Three hours.  
The origin and development of social thought and plans about society from the earliest times to the present; origins of science of sociology and a brief study of the chief modern systems of sociology.  
Prerequisites: Soc. 300, and 401 or 418.
425. **Social Control.** Three hours.  
A study of the formal and informal means of social control such as legal processes, institutional control, folkway and custom control, punishments and rewards. Analyses of types of control and of the causes of increasing control.  
Prerequisite: Soc. 418 or 421.

**Courses Open to Graduate Students Only**

501. **Sociological Theory.** Three hours.  
A course in systematic sociology in which the student will be expected to become acquainted with the cardinal principles of the chief works of outstanding thinkers in the field.
502. **Contemporary Social Change.** Three hours.  
A study of the dynamic factors of social change and disturbance. The development of social movements; the effect of discovery, invention, disaster, and rapid shifts in social interests.
511. **Seminar in Social Pathology.** Two hours.  
Special problems dealing with the unadjusted, dependent, and neglected classes. Students electing this course should have had Soc. 311.



**520. Seminar in Delinquency and Criminology. Two hours.**

A research course dealing with some of the basic factors productive of delinquency and crime and measures for meeting them. Students electing this course should have had Soc. 315 and 320.

**532. Rural Social Organization. Three hours.**

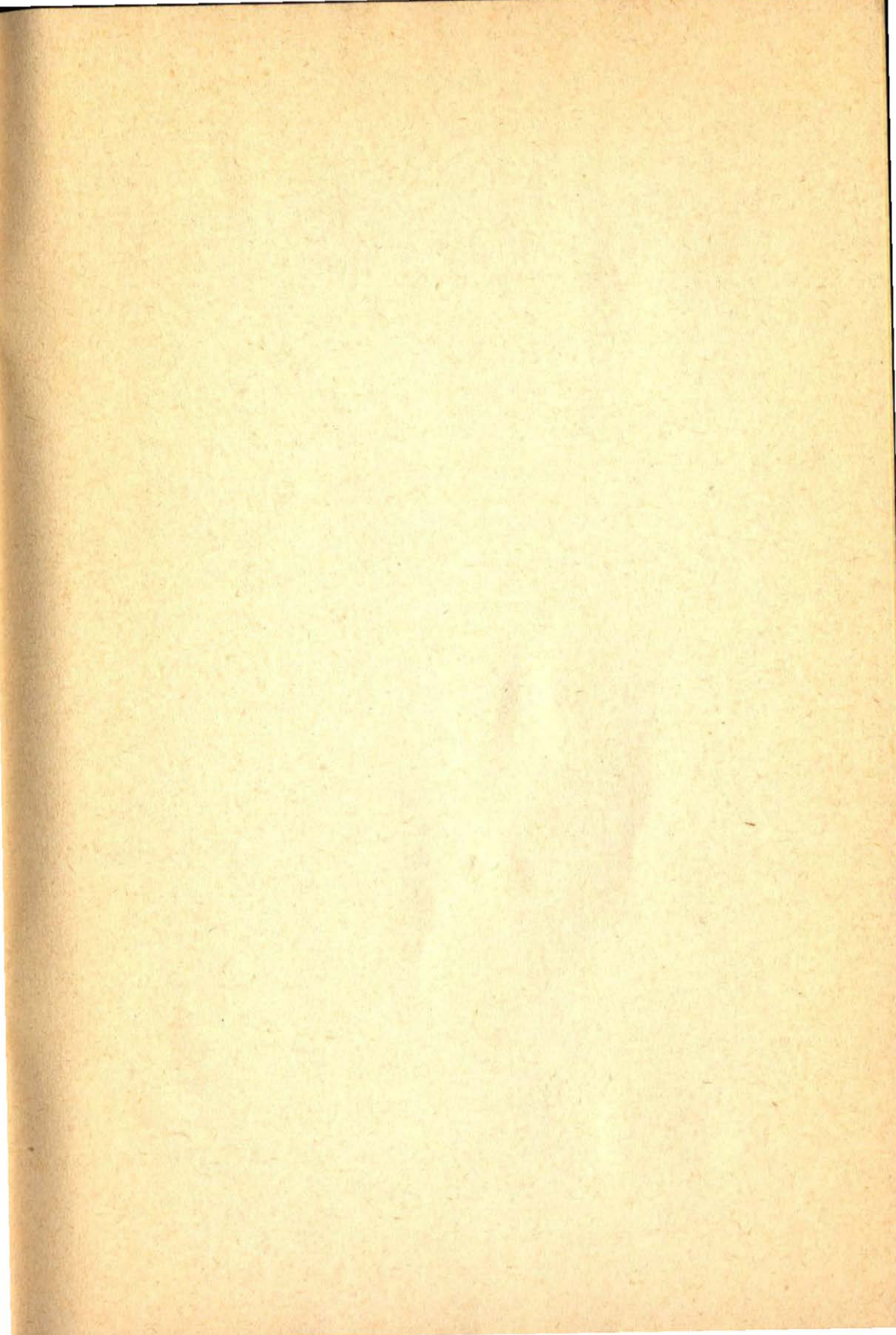
An advanced study of the different forms of human association in rural life, and of their relatedness and organization in the achievement of high values and culture advancement. It presupposes a basic course in rural sociology.

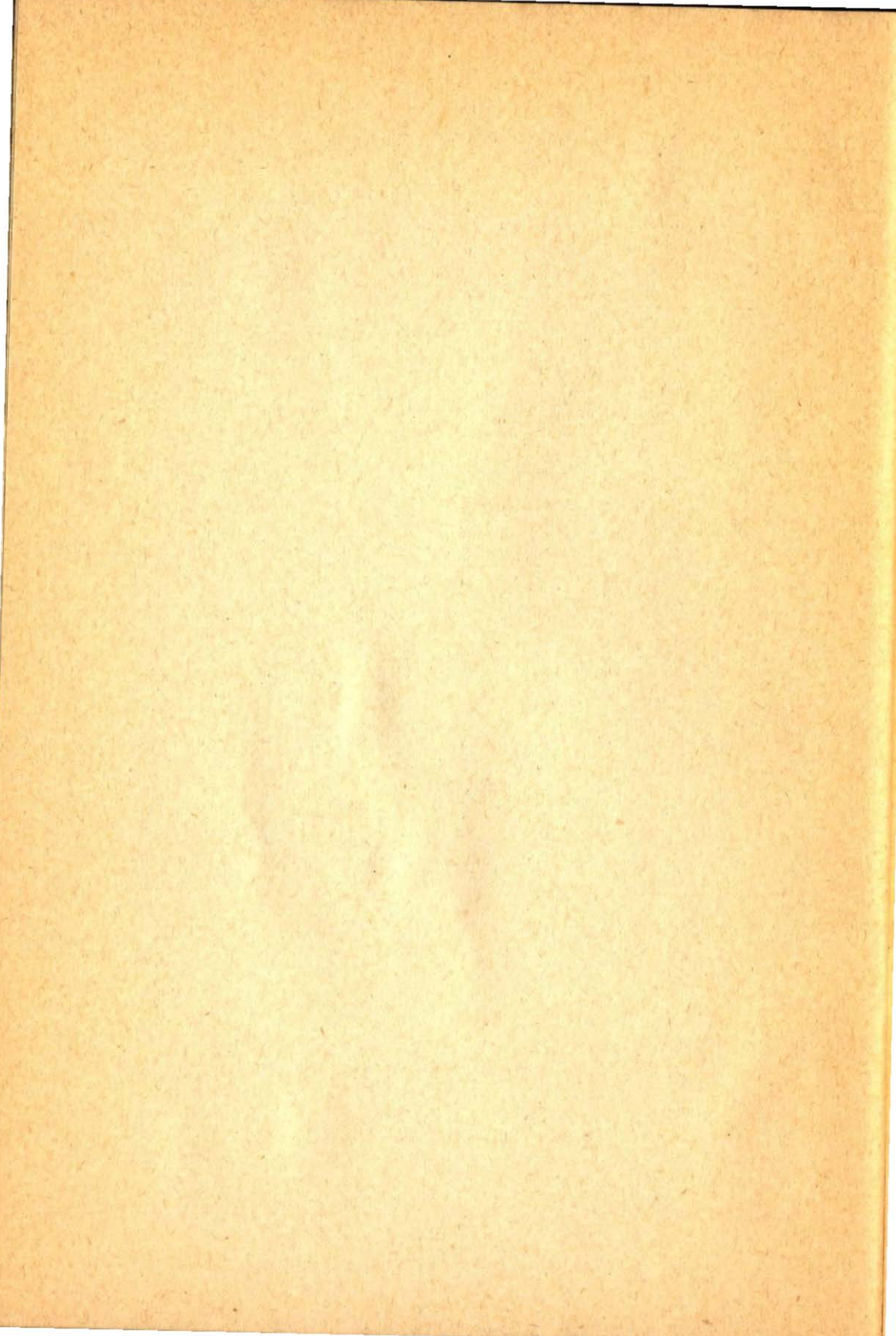
**570-571. Research. Two hours each semester.**

Special problems selected by the students with the approval of the instructor.

**580. Thesis or Problem Report I. One to three hours.**

**581. Thesis or Problem Report II. One to three hours.**







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