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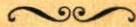


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42-43

MARSHALL COLLEGE

(FOUNDED 1837)



Bulletin

ISSUED QUARTERLY

VOLUME XXVI, No. 2

Announcement

MASTER'S COURSES AND DEGREES

1942-1943



JUNE 1, 1942

HUNTINGTON, WEST VIRGINIA



MARSHALL COLLEGE CALENDAR

SESSION 1942-43

FIRST SEMESTER:

September 14, 15, Monday, Tuesday-----Registration
September 14, Monday, 9:30 a. m.-----Freshman Assembly
September 14, Monday, 1:00 p. m.-----Freshman Registration
September 15, Tuesday-----Upper Class Registration
September 16, Wednesday, 8:00 a. m.-----Classes begin
September 18, Friday, 7:00 to 9:00 p. m.-----
Registration for Evening and Part-Time Classes
September 23, Wednesday, Last day for changes in students' schedules
November 16, Monday-----Mid-Semester Reports
November 26, Thursday-----Thanksgiving Day
December 19, Saturday, 1:00 p. m.-----Christmas recess begins

1943

January 4, Monday, 8:00 a. m.-----Classes reconvene
January 30, Saturday-----Semester ends

SECOND SEMESTER:

February 2, Tuesday-----Registration
February 3, Wednesday-----Classes begin
February 5, Friday 7:00 to 9:00 p. m.-----
Registration for Evening and Part-Time Classes
February 10, Wednesday--Last day for changes in students' schedules
April 5, Monday-----Mid-Semester Reports
April 25-----Easter Sunday
May 30, Sunday, 11:00 a. m.-----Baccalaureate Sermon
May 31, Monday-----Alumni Day
June 1, Tuesday, 10:30 a. m.-----
One hundred and sixth Commencement
June 1, Tuesday-----Semester ends

Marshall College is accredited by the North Central Association of Colleges and Secondary Schools, the American Association of Teachers Colleges, and a member of the Association of American Colleges. The graduate school was fully accredited by the American Association of Teachers Colleges in 1942.

MARSHALL COLLEGE

Huntington, West Virginia

JAMES E. ALLEN, President

WEST VIRGINIA BOARD OF CONTROL

Charleston

ROBERT J. ROTH, President.....Charleston
WILLIAM C. COOK, Treasurer.....Charleston
..... Secretary.....Charleston

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

WEST VIRGINIA BOARD OF EDUCATION

Charleston

W. W. TRENT, State Superintendent, President.....Charleston
DAVID KIRBY, Secretary.....Charleston
MRS. THELMA BRAND LOUDIN.....Fairmont
MRS. MARY HART DAVISSON.....Weston
RAYMOND BREWSTER.....Huntington
MRS. JULIAN G. HEARNE.....Wheeling
MRS. DOUGLAS W. BROWN.....Huntington
L. V. THOMPSON.....Romney

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

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

ADMINISTRATION

JAMES E. ALLEN, *President*

A. B. 1898, LL. D. 1923, Hampden Sydney College; graduate study in Latin 1902, 1903, University of Virginia; 1903-1906, Johns Hopkins University.

OTIS G. WILSON, *Dean of the Teachers College,*

M. A. 1911, West Virginia University; Ped. D. 1936, Salem College; graduate study in Education 1930-1931, University of Pittsburgh.

ELSWORTH VACHEL BOWERS, *Dean of the College of Arts and Sciences,*
Ph. D. 1929, Ohio State University.

LEE FAIRCHILD BACON, *Dean of Women,*

M. A. 1928, University of Wisconsin; M. A. 1935, Columbia University; graduate study in Personnel Administration 1938, Harvard University.

KENNETH KARL LOEMKER, *Dean of Men and Associate Professor of Psychology,*

Ph. D. 1941, University of Chicago.

LUTHER EDGAR BLEDSOE, *Registrar,*

M. A. 1933, West Virginia University.

L. MARIE WHITE, *Assistant Registrar,*

M. A. 1930, Columbia University.

ORA STAATS, *Financial Secretary.*

VETA LEE SMITH, *College Secretary,*

M. A. 1936, West Virginia University.

ROSA OLIVER, *Librarian,*

A. B. 1921, North Carolina College for Women; New York State Library School 1923, certificate.

THE GRADUATE COUNCIL

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

ALBERT ROBERTS HALLEY, *Ph. D., Professor of English.* (to 1943).

ARVIL E. HARRIS, *Ph. D.*, *Professor of Political Science* (to 1944).

AUGUSTUS HAYES, *Ph. D.*, *Professor of Sociology* (to 1944).

KENNETH KARL LOEMKER, *Ph. D.*, *Dean of Men and Associate Professor of Psychology* (to 1946).

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

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

ELSWORTH VACHEL BOWERS, *Ph. D.*, (*ex-officio*) *Dean of the College of Arts and Sciences and Professor of Psychology, Director of Psychological Clinic.*

OTIS GUY WILSON, *M. A.*, *Ped. D.*, (*ex-officio*) *Dean of the Teachers College and Professor of Education.*

THE GRADUATE FACULTY

JOHN FRANK BARTLETT, *Professor of Chemistry*,
Ph. D. 1932, West Virginia University; post-doctorate study, 1936-1937, University of Zurich, University of Edinburgh, and Technische Hochschule in Munich.

AUBREY W. BICKLEY, *Assistant Professor of Psychology*,
Ph. D. 1939, George Peabody College for Teachers.

MARIUS BLES, *Professor of English*,
Ph. D. 1938, University of Virginia.

ELSWORTH VACHEL BOWERS, *Professor of Psychology and Director of Psychological Clinic, and Dean of the College of Arts and Sciences*,
Ph. D. 1929, Ohio State University.

MAURICE GWINN BURNSIDE, *Associate Professor of Political Science*,
Ph. D. 1938, Duke University.

CONLEY HALL DILLON, *Professor of Political Science*,
Ph. D. 1936, Duke University.

- ALBERT ROBERTS HALLEY, *Professor of English*,
Ph. D. 1923, Harvard 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.
- RAY E. HEIKS, *Instructor in Chemistry*,
Ph. D. 1940, Ohio State University.
- ALLEN CONNABLE KLINGER, *Professor of History*,
Ph. D. 1930, University of Wisconsin.
- ROBERT JOSEPH LARGENT, *Professor of History*,
M. A. 1923, University of Chicago; graduate study in History 1921,
1922, 1923, 1925-1926, 1928, University of Chicago.
- KENNETH KARL LOEMKER, *Associate Professor of Psychology and Dean
of Men*,
Ph. D. 1941, University of Chicago.
- JAMES BLAINE SHOUSE, *Professor of Education*,
M. A. 1910, University of Chicago; graduate study in Education
1915-1916, 1917, 1918, 1919, University of Chicago.
- 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.

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 seven departments: Chemistry, education, English, history, political science, psychology, sociology. Other departments will be authorized to undertake graduate instruction as circumstances permit.

ADMINISTRATION

The graduate council directs graduate work, its chairman serving as executive officer in such relations 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 this 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.

OBJECTIVES OF GRADUATE WORK

1. To supply 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 the Policy Committee on Teacher Education Curricula**, David Kirby, Chairman, and 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

At least 30 semester hours of graduate credit must be earned in residence at Marshall College. The period of residence must be at least 36 weeks, part or all of which may be in summer terms.

A thesis is required in addition to the 30 hours of credit. In case the research work basic to the thesis is done in credit courses, a minimum of 32 hours will be required for the master's degree.

A minimum of 18 hours and a maximum of 24 hours may be earned in one subject, known as major subject. However, in case the 32 hour requirement is in force for the student,

minimum and maximum for the major subject become 20 and 26 hours respectively. 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 under-graduate 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 must be filed with the chairman of the council not later than two weeks before the date of graduation. The thesis must be prepared according to the form adopted by the council.

An oral examination covering the theses 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.

The recommended full-time residence requirement is at least eighteen weeks; this may be satisfied by one regular semester or two nine-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, not to exceed 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. Provided, that 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 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 courses: 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.

MINOR IN ENGLISH

(For the present there is no major program in English.)

Undergraduate prerequisite: Nine hours of English beyond requirements for graduation.

Graduate courses: 6 to 12 hours approved by the adviser.

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 recommended also 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

CHEMISTRY

Courses open to undergraduate seniors and to 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.

*Undergraduate courses open to graduate students.

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 applications to the theories of organic chemistry.
Prerequisite: Chemistry 302.
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 of 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.

EDUCATION

Courses Open To Undergraduate Seniors And To 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 procedures; 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 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 School.** Two hours.
Operating on the workshop idea this course avoids systematic lectures, 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 the 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.
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 Measurements.** 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.

ENGLISH

Courses open to undergraduate seniors and to graduate students.

400. **Pre-Shakespearean Drama.** Three hours.
Formerly English 300.
444. **Advanced American Literature (to 1865).** Three hours.
Prerequisite for graduate credit: An undergraduate course in American literature.

Courses open to graduate students only.

500. **Shakespeare Seminar.** Three hours.
Prerequisite: An undergraduate course in Shakespeare.
511. **Chaucer Seminar.** Three hours.
Formerly English 411.

HISTORY

Courses open to undergraduate seniors and to graduate students.

402. **American Diplomacy.** Three hours.
The principles and policies guiding American diplomacy in its various stages of development, the 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 diplomacy, 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.
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.

POLITICAL SCIENCE

Courses open to undergraduate seniors and to 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.

Prerequisite: 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 political observers, both American and foreign, is considered.

Prerequisite: Pol. Sci. 201, 202.

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 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

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, etc.

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 re-organization 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.

PSYCHOLOGY

Courses open to undergraduate seniors and to graduate students.

406. Theories of Intelligence. Three hours.
A study of the nature, genesis, and development of intelligence, individual differences, and mental levels; and significance of measuring intelligence; also the relation of intelligence to social efficiency.
Prerequisite: Psy. 101 or 305.
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: Psy. 101 or 305.
460. History of Psychology. Three hours.
A study of the historical bases and antecedents of present-day psychology, together with a brief outline of various schools of psychology.
Prerequisite: Six hours of psychology.

Courses open to graduate students only.

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.

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 to 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.

Prerequisite: 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.

Prerequisite: 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 the science of sociology and a brief study of the chief modern systems of sociology.

Prerequisite: 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.

570-571. Research. Two hours each semester.

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

