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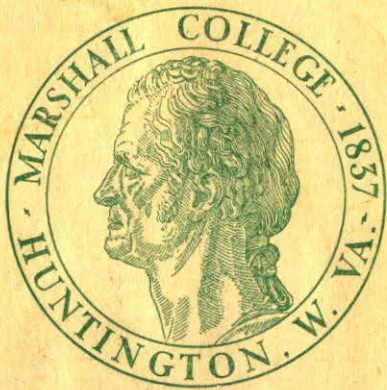
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47-48

Bulletin

MARSHALL COLLEGE
Graduate Division

1947-1948



A STATE COLLEGE
HUNTINGTON, WEST VIRGINIA

WEST VIRGINIA BOARD OF EDUCATION

Charleston, West Virginia

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

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 XXXI

APRIL 1, 1947

No. 1

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Huntington, West Virginia, April 4, 1920.



OFFICERS OF ADMINISTRATION

¹ JOHN DAVIS WILLIAMS, A. B., M. A., Ed. D.	<i>President</i>
² STEWART HAROLD SMITH, B. S., M. A., Ph. D.	<i>Acting President; Dean, Teachers College</i>
JAMES EDWARD ALLEN, A. B., LL. D.	<i>President Emeritus</i>
³ ROY CLEO WOODS, A. B., M. S., M. A., Ph. D.	<i>Acting Dean, Teachers College</i>
JOHN FRANK BARTLETT, A. B., M. A., Ph. D.	<i>Dean, College of Arts and Sciences</i>
⁴ ARVIL ERNEST HARRIS, A. B., M. A., Ph. D.	<i>Chairman, Graduate Council</i>
LILLIAN HELMS BUSKIRK, A. B., M. A.	<i>Dean of Women</i>
⁵ LESTER G. BRAILEY, B. S., M. A.	<i>Dean of Men</i>
LUTHER E. BLEDSOE, A. B., M. A.	<i>Registrar and Director of Admissions</i>
VETA LEE SMITH, A. B., M. A.	<i>College Secretary</i>
⁶ HARRY D. KEITH, A. B., M. Ed.	<i>Comptroller and Business Manager</i>
ROSA V. OLIVER, A. B., Library Certificate	<i>Librarian</i>
CHARLES A. HOFFMAN, M. D.	<i>College Physician</i>

GRADUATE DIVISION

ADMINISTRATION

FACULTY

OBJECTIVES

ADMISSION

DEGREE REQUIREMENTS

COURSES OF INSTRUCTION

THE GRADUATE COUNCIL

- ARVIL E. HARRIS, Ph. D., (*Chairman*), *Professor of Political Science.*
- 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).*
- AUGUSTUS HAYES, Ph. D., *Professor of Sociology, (to 1948).*
- HARRY B. HEFLIN, Ph. D., *Professor of Education.*
- KENNETH KARL LOEMKER, Ph. D., *Professor of Psychology, (to 1950).*
- HORACE GRESHAM TOOLE, Ph. D., *Professor of History, (to 1950).*
- JOHN FRANK BARTLETT, Ph. D., (*ex-officio*), *Dean of the College of Arts and Sciences and Professor of Chemistry.*
- ROY CLEO WOODS, Ph. D., *Acting 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 Hoch-
schule in Munich.
- MARIUS BLESİ, *Professor of English*,
Ph. D., 1938, University of Virginia.
- STELLA M. BOWERS, *Professor of Psychology*,
Ph. D., 1931, Ohio State University.
- 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.
- DOROTHY A. FISHER, *Assistant Professor of Zoology*,
Ph. D., 1939, Cornell University.
- CONLEY HALL DILLON, *Professor of Political Science*,
Ph. D., 1936, Duke University.
- RALPH M. EDEBURN, *Assistant Professor of Zoology*,
Ph. D., 1938, Cornell University.
- CHARLES P. HARPER, *Associate Professor of Political Science*,
Ph. D., 1937, John Hopkins 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, *Professor of Sociology*,
Ph. D., 1937, Clark University.
- HARRY B. HEFLIN, *Professor of Education*,
Ph. D., 1942, University of Pittsburgh.
- JOHN HOLLAND HOBACK, *Instructor in Chemistry*,
M. S., 1942, Marshall College.
- GEORGE WASHBURN E HOWGATE, *Professor of English*,
Ph. D., 1933, University of Pennsylvania.
- ALLEN CONNABLE KLINGER, *Professor of History*,
Ph. D., 1930, University of Wisconsin.
- KENNETH KARL LOEMKER, *Professor of Psychology*,
Ph. D., 1941, University of Chicago.

CHARLES HILL MOFFAT, *Associate Professor of History*,
Ph. D., 1946, Vanderbilt University.

PAUL N. MUSGRAVE, *Principal of Laboratory School*,
Ph. D., 1936, West Virginia University.

E. L. PLYMALE, *Assistant Professor of Botany*,
Ph. D., 1942, University of Iowa.

ROBERT P. SECHLER, *Professor of English*,
Ph. D., 1931, University of Pennsylvania.

STEWART H. SMITH, *Professor of Education and Acting President*,
Ph. D., 1943, Syracuse 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.

COLLEGE CALENDAR

1947-1948

FIRST SEMESTER

September 15-20.....	Freshman Orientation and Registration
September 19-20.....	Upper Class Registration
September 19, 7:00 P. M.-9:00 P. M.....	Registration of Part-time and Evening Students
September 22, Monday 8:00 A. M.....	Classes begin
November 10.....	Mid-Semester Reports
November 26, Wed. Noon-Dec. 1, 8:00 A. M.....	Thanksgiving Recess
December 20, Noon-Jan. 5, 1948, 8:00 A. M.....	Christmas Recess
January 31.....	Semester ends

SECOND SEMESTER

February 2-4.....	Freshman Orientation and Registration
February 6, 7:00-9:00 P. M.....	Registration Part-time and Evening Students
February 5.....	Classes begin
March 24, Noon to March 30 8:00 A. M.....	Easter Recess
April 19.....	Mid-Semester Reports
June 5, Saturday.....	Alumni Day
June 6, Sunday.....	Baccalaureate Sermon
June 7, Monday.....	Commencement

FEES AND EXPENSES

All registration, graduation, and laboratory fees are due and payable at the cashier's office on the day of registration.

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

REGISTRATION FEES

	Resident of West Virginia	Non- ¹ resident
Full-time Students (twelve or more semester hours)		
Tuition Fee.....	\$30.00	\$50.00
Student Activity Fee.....	7.50	7.50
Hospitalization Fee.....	.75	.75
Part-time Students (less than twelve semester hours)		
Fee per Semester Hours ²		
Resident Classes.....	3.00	5.00
Extension Classes.....	5.00	5.00

SPECIAL FEES

Late Registration Fee ³	\$ 2.00
Graduation Fee (Baccalaureate Degree).....	5.00
Graduation Fee (Graduate Degree).....	10.00
Special Instruction Service Fee (for each clock hour of service).....	1.10
Fee for Change of Schedule (after eighth day).....	1.00

Graduation fees, both Baccalaureate and Graduate Degrees, are payable at the time of registration in the semester or term in which a student will complete work for the respective degree.

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

Fees for lessons in applied music are payable as other fees. Regularly enrolled full-time students are referred to courses in music listed in Teachers College.

¹NON-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 who have declared their intention of becoming bona fide residents of the State of West Virginia at the close of schools 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 citizens of the State.

²FEE PER CREDIT HOURS. This fee does not include a student activity book. Part-time students may purchase the book for \$5.50.

³Penalty for those who register after the registration date stated in the catalogue.

LABORATORY FEES

Laboratory fees are stated in the description of the courses and are payable at the time of registration. (See Courses of Instruction.)

ROOM RENT

(Per Semester of 18 Weeks)

Laidley Hall

Small doubles, each student	\$40.00
Large doubles, each student	45.00
Singles	50.00
Small double, single occupant	60.00

Hodges Hall

Single rooms	\$50.00
Small doubles, each student	40.00
Two, three and four room suites (according to size)	\$40.00, \$45.00 or \$50.00

College Hall

Barracks rooms, each student.....	\$30.00
Double rooms, each student.....	36.00
Single room.....	42.00
Small double, single occupant.....	51.00

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) by September 1 for the first semester and one week prior to the date of registration for the second semester. No student may occupy a room in a dormitory 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 \$120.00 for each semester. 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 15 for the first semester and, for the second semester, on April 15.

Two per cent (2%) consumers' 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.

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

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	\$ 30.00	\$ 30.00
Student Activity Fee.....	7.50	7.50
Hospitalization75	.75
Board	120.00	120.00
Room	40.00	48.00
Books, Gym outfit.....	20.00	30.00
Supplies, laboratory fees, etc.....	5.00	10.00
Social and Personal.....	35.00	60.00
	<u>\$258.25</u> plus tax	<u>\$306.25</u> plus tax
Out-of-state students pay an additional fee of.....	\$ 20.00	\$ 20.00

Tuition, hospitalization, student activity, laboratory and graduation fees, dormitory room rent, at least \$60.00 of the board, books, and all tax are payable at the beginning of the semester.

The activity fee entitles students to admission to the Forum, Artists Series for the season, athletic events, College Theatre, copies of *The Parthenon* (college paper), 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 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 students 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 semesters, 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:
No refund will be granted on the student activity, hospitalization, or laboratory fees.

	Amount of Refunds
During the first and second weeks.....	All tuition fee less \$2.50
During the third and fourth weeks.....	80% of tuition fee
During the fifth and sixth weeks.....	60% of tuition fee
During the seventh and eighth weeks.....	40% of tuition fee
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 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 student 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.

Courses and Degrees

In October, 1938, the State Board of Education approved regulations under which Marshall College is authorized to conduct graduate instruction leading to the Master of Arts and the Master of Science degrees. Graduate work was first offered 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: biological sciences, chemistry, education, English, geography and geology, history, political science, psychology, and sociology.

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.

Administration

The Graduate Council directs graduate work, its chairman serving as its executive officer. An adviser from his major department is assigned to each student. The adviser will guide the student in outlining his program of study and in the preparation of his thesis. If the adviser is assured of the eligibility of the student when twelve semester hours of graduate work has been completed, he will recommend him to the Graduate Council for admission to candidacy for the Master of Arts degree.

Admission to Graduate Study

Admission to graduate courses is open to graduates of Marshall College and to the graduates of all other accredited colleges and universities provided their undergraduate records are satisfactory. Students who are graduates of non-accredited institutions may be admitted conditionally. Admission to graduate study is based on official transcripts of high school and college credits and on the information contained in the formal application for admission to the Graduate Division of Marshall College. This application form may be secured by writing to the Chairman of the Graduate Council. The applicant for admission to graduate courses should have one copy of his transcript mailed to the Registrar of Marshall College and a second copy addressed to the Chairman of the Graduate Council. These should be received one month prior to the time the student plans to register. 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 Division of the College. Seniors who, in the last term or semester of their undergraduate work, need fewer hours than a full schedule to meet the requirement for the undergraduate degree, may complete their schedules by taking graduate courses for credit to be applied toward the master's degree.

Credit and Courses

Thirty-two hours of graduate credit shall be earned for the master's degree.

A minimum of eighteen hours and a maximum of twenty-four hours may be earned in one subject known as a major. A minimum of six hours must be earned in a subject known as a minor. Credit may be earned in a third subject if recommended by the adviser and approved by the Council.

At least half of the hours in the major subject and not fewer than six hours in the minor subject must be earned in strictly graduate courses (in the 500 series). Courses of the 400* series approved by the Council may count toward the master's degree, provided no undergraduate students except juniors and seniors are admitted. These courses are indicated in the catalogue and in schedules by a star 400*, etc. The graduate students in those courses will be required to do extra work, some of which may be of a research character, in addition to the work assigned to the undergraduates. Juniors will be admitted to the 400* series courses only on permission of the instructor.

Residence

A year's work in residence is required for the master's degree. The full-time residence requirement is 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. The rest of the thirty-six weeks residence requirement may be satisfied by any combination of terms or semesters in part-time or full-time registration.

All requirements for the master's degree must be met within five years from date of matriculation unless the time limit is extended by the Graduate Council.

Thesis

A thesis or problem report of a research character completed to the satisfaction of the major department may be submitted for credit not to exceed six semester hours. The amount of credit allowed will be determined by the quality and character of the paper submitted. For students who will profit more by doing additional course work in lieu of a thesis or problem report, thirty-six course hours may be earned. The adviser and student will be guided by the student's needs and interests in determining whether he is to write a thesis.

The thesis must be sufficiently advanced one month before the time of graduation to assure the adviser of its acceptability by the Council. Three 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.

Admission to Candidacy

It should be remembered that admission to graduate courses does not imply admission to candidacy for the master's degree. The student may be admitted to candidacy only after he has proved his ability and fitness to do graduate work in a chosen field. Immediately after the completion of twelve semester hours of work with satisfactory grades, the student should apply to the Graduate Council for admission to candidacy for the degree. The application must bear the recommendation of the student's adviser and must be made on a form secured from the office of the Chairman of the Graduate Council.

Transfer of Credit and Extension Work

The Graduate Council may, upon the student's petition, grant to a student the privilege of transferring to Marshall College, for application on the master's degree, a maximum of six graduate hours 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. Occasionally the Council may recommend that a student earn six hours in another institution in work not offered by Marshall College. Acceptance of transferred credit shall not reduce the requirement of thirty-six weeks of residence except in the case of holders of Marshall

College undergraduate degrees. Credit transferred from other institutions for application toward meeting the requirements for the master's degree must have been earned within the five-year period allowed for completion of the work for that degree.

Six hours earned in extension courses taught by instructors who teach these courses regularly on the campus will be accepted toward meeting the requirements for the master's degree.

Grades and Written Examination

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

A written examination covering the courses completed for the degree is to be taken under the direction of the Council after it appears that the course work in progress will be successfully completed. An oral examination may be required at the option of the student's major department.

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 chemistry2 semesters
 - B. Analytical chemistry (including qualitative and quantitative)2 semesters
 - C. Organic chemistry2 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 E is designed to meet the needs of persons interested in counseling and guidance.

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.

Program E

1. Required courses 22 hours
Education 490*, 514, 535, 536, 546, 547, 548, 549 and/or 550.
2. Recommended Electives. To give not less than 25 hours in Guidance.
Education 513 and 520.
3. Not less than 6 hours on 500 level in teaching field to form a minor.
4. Education 522 which is required of all Education majors.
5. Education 435* may be substituted for Education 535 and 536, if not taken as an undergraduate course.

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. English 530 required of all candidates for the M. A. in English, beginning September, 1947.

MINOR IN GEOGRAPHY

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

Undergraduate prerequisite. For minor—6 hours in Geography.

Graduate courses. For minor—6 to 12 hours.

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) philos-

ophy. 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. 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 211 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 212 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.

406.* Advanced Field Biology. Three hours.

An ecological field study dealing chiefly with plant life in southern West Virginia, and including some interrelations with animal life. Several field trips will be made.

Prerequisites: Biology 306 or ten hours of Biological Science or consent of instructor.

*Undergraduate Courses Open to Graduate Student.

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 211 or equivalent course.

411.* Biology Seminar I. One hour.**412.* Biology Seminar II. One hour.****482* Biology**

Each summer Marshall College cooperates with the workshop on conservation of natural resources conducted at Jackson's Mill by the West Virginia University and colleges. For satisfactory completion of this course one can earn either graduate or undergraduate credit and register at the institution for whichever credit is desired. Not open to students who have had Conservation 101. For further particulars write the Registrar, Marshall College.

Courses Open To Graduate Students Only**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 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. (In summer, three 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 hours.

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

Prerequisite: 10 hours Biological Science or Consent of Instructor.

507. Problems in Genetics. Biology. Three 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.

Prerequisite: Four hours. Botany, Zoology or Biology.

*Undergraduate Courses Open to Graduate Student.

- 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.
- 502. Quantitative Organic Chemistry.** Two hours.
Ultimate analysis of organic compounds.
Prerequisite: Chemistry 302.

*Undergraduate Courses Open to Graduate Student.

- 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.
- 435.* Tests and Measurements.** Three hours.
This is an introductory course in which the history, basic philosophy and elementary statistical devices necessary for evaluating pupil progress are studied. New type tests will be constructed and a study made of standard tests on both elementary and secondary levels. Attention will be given to the use of technique of evaluation for purposes of pupil guidance. Considerable practice will be given in giving, scoring and interpreting the results of tests on both elementary and secondary levels.
- 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.

*Undergraduate Courses Open to Graduate Student.

465.* Audio-Visual Aids in Learning. Two or three hours.

This course strives to develop an attitude toward and a skill in the preparation and use of audio-visual aids to learning. A study of the use of blackboards, bulletin boards, flash cards, charts, graphs, field trips, models, specimens, maps, film strips, motion pictures, slide film and the operation of the major type of projectors form the major portion of this course. In order to insure a large percentage of practical experience this course will be conducted on the laboratory or workshop bases. Each student will prepare a set of audio-visual aids and references for use in his teaching position.

490.* Basic Course in Principles and Practices of Guidance. Three hours.

A study of the principles, objectives and practices of guidance which will give the beginning counselor or teacher an over-all picture of the guidance program and the part the counselor and teacher play in its development, and how such a program will aid the teacher in teaching boys and girls.

491.* Workshop in Supervision. One to three hours.

Designed for majors in Education and principals and supervisors of schools. A study of practical problems and principles involved.

492.* Workshop: The Teaching of Reading (summer only). One to three hours.

A practical course designed to give the teacher an opportunity to discuss and work on her own reading problems. Time spent in the course will be approximately evenly divided as to lecture, demonstration and individual work. The teacher may choose to work in the primary, intermediate or high school field under the leadership of a qualified instructor.

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.

*Undergraduate Courses Open to Graduate Student.

- 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.
Taken with or following 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; and study of the secondary school itself.
Taken with or following 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.
Taken with or following Ed. 506.
- 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.
Taken with or following Ed. 506.
- 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.
- 513. Organization, Administration and Development of Guidance Programs.** Three hours.
This is a study of problems met in planning for and the inauguration of a guidance program in elementary and secondary schools.

- 514. Counseling Techniques.** Three hours.
An intensive study of the techniques used by the counselor in counseling, especially the mechanics of the interview with emphasis upon scheduling the interview, initial interview, and follow-up interviews with the counselee and parents.
- 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.
- 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, which may be submitted for problem or thesis.
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.
- 535. Techniques of Evaluation in the Elementary School.** Two hours.
This is a graduate course following a course such as Education 435*. A deeper study and more practice will be required.
- 536. Technique of Evaluation in the Secondary School.** Two hours.
This does for the secondary teachers what Education 535 does for those in elementary education. See note following that course.
- 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 Schools.

546. Individual Inventory Techniques. Three hours.

An intensive study of the techniques used in the collection of data, including test results, for the counselee's cumulative record; the recording of data; and the interpretation and use of tests and other data by the counselor and teacher.

547. Occupational Information Techniques. Three hours.

An intensive study of the techniques used in the selection, filing, and use of printed, bound and unbound materials, and other information about the various occupations and professions and the qualifications they require. This is to be at the level at which counseling is to be done.

548. Advanced Studies of Human Adjustment. Three hours.

A study of the psychological foundations of personality development and the principles of mental hygiene as they are related to adjustment to the problems of everyday life. Current publications are investigated in these fields and laboratory or clinical practice will supplement these studies.

549.* Seminar in Counseling. Individual Inventory.

550.* Occupational Information, Training Opportunities, Follow-up Studies, and Placement Procedures with Practice in the Field. Three hours each.

An advanced study of counseling tools and techniques with emphasis upon problem categories and patterns, as they are related to the psychology of individual differences (differential psychology). Prepared case studies, based upon laboratory work in counseling, will furnish the basis of critical evaluation of tools and techniques. Laboratory practice will be done at the educational level at which each student expects to serve as a counselor.

555. Teaching of Reading. Three hours.

It is the purpose of this course to make the student familiar with present techniques and practices in the teaching of reading and current material in the field. Topics to be covered will include the development of fundamental reading habits and attitudes, oral and silent reading instruction, discussion of diagnostic and remedial instructional material and evaluation of the results of the reading program.

*Undergraduate Courses Open to Graduate Student.

556. Teaching of Language Arts. Two hours.

This course deals with the literature in the field and a comparison of current methods and materials in the teaching of handwriting, spelling, and oral and written composition. Consideration is given to analysis and correction of basic difficulties and correlation of language arts with other activities.

557. Teaching of Arithmetic. Three hours.

The course is intended to make the student acquainted with the materials of instruction which are available and to give a knowledge of the best literature on the teaching of arithmetic. Topics will include: the history of numbers, number experiences of children, the fundamental operations and their presentation, denominate numbers, fractions, percentage, drill, problem solving, diagnostic procedures and remedial instruction, and arithmetic testing.

DISTRIBUTIVE EDUCATION

560. Co-ordination and Supervision of Distributive Education. Two hours.

This course deals with the methods and techniques of coordinating a cooperative program in Distributive Education. Procedures in the selection of training agencies, in conferences with store managers to secure well-rounded work experience for students, in placement of students, in supervision of student-workers, in evaluation of store work, and in essential record keeping will be thoroughly explored.

561. Organization and Administration of Distributive Education. Two hours.

A basic course in the purpose, objectives and philosophy of Distributive Education with special emphasis on the West Virginia Plan. Methods used in initiating, organizing and promoting classes for persons engaged in distributive occupations will be stressed.

562. Development of Instructional Materials for Distributive Education. Two hours.

A workshop course having as principal objectives the gathering and organizing of instructional materials for use in Distributive Education cooperative classes, with emphasis on the selection of material that will supplement the work experience of the student worker. The course will include the actual construction of a complete course of study and teaching outlines.

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.

A study of Old English syntax and phonetics, with reading of selections from Anglo-Saxon poetry and prose.

*Undergraduate Courses Open to Graduate Student.

- 411.* Chaucer.** Three hours.
A study of Chaucer's England. Readings will be in the original language, with emphasis on *Troilus and Criseyde* and the *Canterbury Tales*.
- 444.* Emerson-Poe-Whitman.** Three hours.
An intensive study of Emerson as philosopher, Poe as journalist, and Whitman as poet.
- 445.* Robinson and Frost.** Three hours.
An intensive study of two masters of Modern American poetry.
- 446.* Drama of the Restoration and 18th Century.** Three hours.
A survey of the drama from 1660 to Sheridan, in relation to the social life of the period.
- 447.* Romantic Poets.** Three hours.
A study of Wordsworth, Coleridge, Keats, Shelley and Byron. The background of the romantic movement will be given. Extensive readings in the major poets, papers and oral reports will be required.
- 455.* Literary Criticism.** Three hours.
The principles and history of literary criticism, with emphasis upon the major literary forms.

Courses Open To Graduate Students Only

- 500. Shakespeare.** Three hours.
An intensive reading of most of Shakespeare's plays. Problems of scholarship relating to Shakespearean text, biography, theatrical conventions.
- 512. Study of Poetry.** Three hours.
The development of the principal forms, types, themes, and prosody, in world poetry, with special attention to English and American poetry.
- 513. Milton.** Three hours.
A study of the English poetry and prose of John Milton.
- 514. The Victorian Novel.** Three hours.
A study of the English novel during the nineteenth century, covering the Brontes, Dickens, Thackeray, Eliot and others.
- 515. Studies in the Victorian Poets.** Three hours.
Tennyson, Browning, and Hardy are the major figures studied in the course.
- 520. Contemporary Drama.** Three hours.
An intensive study of major English and American dramatists from Shaw to O'Neill.

*Undergraduate Courses Open to Graduate Student.

- 530. Materials and Methods of Research.** Three hours.
Training in scholarly research, bibliography, preparation of reports and theses in the field of English. Completion of a practical problem in research. Required of all candidates for the M. A. in English, beginning Sept. 1947.
- 531. Historical English Grammar.** Three hours.
The construction of the English language today in the light of the historical development of grammatical forms and usages.
- 544. The American Novel.** Three hours.
A survey from the 18th century to modern times, with special emphasis upon Hawthorne, Melville, and Henry James.
- 580. Thesis Writing.** One to three hours.
- 581. Thesis Writing.** One to three hours.

GEOGRAPHY

Courses Open to Undergraduate Seniors and Graduate Students

- 405.* World Political Geography.** Three hours.
Selected countries of the Americas, Europe, and Asia, are studied with reference to the influence of geographic factors on international relations. Present-day empires are contrasted to show the importance of location, mineral wealth, physical barriers, and population grouping. The place of the United States in world affairs is given leading consideration.
- 410.* Urban Geography.** Three hours.
A study of the geography of cities with special attention given to larger urban centers 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 activities 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

*Undergraduate Courses Open to Graduate Student.

- 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. A report is given to the class by each student.
- 505. Geography in World Political Affairs.** Three hours.
Class members check international relations of the United States, the British Empire, Russia, and China, so that they will appreciate the significance of geographic items and their effect on the creation of national policies. Later individual students will select countries or geographic regions for intensive study. The prepared paper will be presented in class.
- 506. Field Problems in the Geography of the Tri-State Area.** Three hours.
A study will be made of a small geographical region within the tri-state area of West Virginia-Kentucky-Ohio within a few miles of Huntington. Students will study conditions within the field, check available documentary material, and prepare a paper on their findings. Mapping and Photography will be used and personal interviews will be conducted when advisable.

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 History 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.
- 425.* European History, 1814-1914.** Three hours.
A seminar on 19th century Europe.
- 426.* European History, 1914 to the Present.** Three hours.
A continuation of History 425*. Lectures, reading and reports.

*Undergraduate Courses Open to Graduate Student.

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.
- 502. Constitutional History of the United States.** Three hours.
A study of the origins and development of American constitutional principles and practices. (503 and 504 discontinued.)
- 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.** Three 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.
- 512. American Leaders.** Three hours.
A study of the contributions of representative American leaders to American development.
- 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.** Three 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.** Three 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 Report I.** 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.

*Undergraduate Courses Open to Graduate Student.

425.* Early Political Theory. Three hours.

A 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.

505. International Law. Three hours.

A case study of the laws of war and peace as related to their historical development, principles and the evolution of international organization.

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.

*Undergraduate Courses Open to Graduate Student.

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.

548. Problems in West Virginia Government. Three hours.

A critical study of problems of government in the State of West Virginia conducted through readings, lectures, and reports.

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.* Intelligence: Theories and Development.** Three hours.

A study of the nature of intelligence, individual differences in intelligence, mental levels; significance and methods of measuring intelligence; relation of intelligence to social efficiency.

Prerequisite: Six hours of psychology.

*Undergraduate Courses Open to Graduate Student.

420.* Mental Measurements. Three hours.

Instruction and practice in the use of the Stanford-Binet Scale and other tests; evaluation of test results; classification of individuals according to mental level.

Prerequisite: Nine hours of psychology or consent of instructor.

460.* History of Psychology. Three hours. (First semester.)

A study of the historical development of modern psychology.

Prerequisite: Six hours of psychology.

461.* Systematic Psychology. Three hours. (Second semester.)

A study of the development and point of view of the major schools of psychology, with emphasis on systems which have been most prominent in American psychology.

Prerequisite: Six hours of psychology.

Courses Open to Graduate Students Only**503. 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 deviations. 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.

Prerequisite: Six hours of psychology.

508. Psychopathology. Three hours.

A study of mental abnormalities and related phenomena, including hysteria, amnesia, phobias, neurasthenia, hypnosis, dreams, multiple personality, and others. Causes and prevention of development of abnormalities will be given special attention. Clinics at institutions.

Prerequisite: Six hours of psychology.

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.

Prerequisite: Six hours of psychology.

520. Clinical Psychology. Three hours.

A practical laboratory study of mental and behavior cases, including personal and family history and the results of clinical

*Undergraduate Courses Open to Graduate Student.

tests. An intensive study of testing, and training in diagnosis and clinical reports.

Prerequisite: Psychology 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, applied, and others.
- 591. Seminar.** One to three hours.
Continuation of Psychology 590. 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.
- 408.* The Family.** Three hours. (First semester.)
The family as institution; the structure of early family life, and its relation to social organization; problems of the modern family.
Prerequisites: Sociology 300 and senior or graduate standing.
- 412.* Principles and Techniques of Group Relations.** Three hours. (Second semester.)
Analysis of the group; participation, relationship within the group; inter-group relations; causes of group tensions; means of reducing group tensions; development of techniques in group control; leadership.
Prerequisites: Sociology 300 and senior or graduate standing.
- 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.

*Undergraduate Courses Open to Graduate Student.

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.** Three 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.** Three 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.
- 525. Social Control.** Three hours.
A study of the formal and informal means of social control such as legal processes, institutional control, punishments and rewards. Analyses of types of control and of the causes of increasing control.
Prerequisite: Sociology 421.
- 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.

