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UNIVERSITY OF CINCINNATI BULLETIN

Vol. XXXVI

APRIL 1, 1940

No. 8

THE GRADUATE SCHOOL OF ARTS AND SCIENCES

ANNOUNCEMENT FOR

1940 - 1941



PUBLISHED BY THE UNIVERSITY OF CINCINNATI
VAN WORMER ADMINISTRATION BUILDING
CINCINNATI, OHIO

Issued sixteen times a year—once in January, May, September, October, November, December; twice in February; four times in March and April.

Entered as second-class matter December 9, 1938, at the post office at Cincinnati, Ohio, under the Act of August 24, 1912.

FINE ARTS

Supplementary work is required of graduate students taking courses open to undergraduates.

101. PRINCIPLES OF DESIGN IN THE DECORATIVE ARTS.—M., W., 11:00-12:00 at the Art Museum. Mr. Siple
The development of furniture, textiles, and period styles from the Gothic to the present time. Attention is devoted to function and material and their effect on design.
120. THE POTTING OF GREEK VASES.—Two hours a week. Mr. Nash
Experiments inquiring into materials and methods used by Greek potters in the production of their painted vases.

GEOLOGY AND GEOGRAPHY

By agreement graduate students may enter undergraduate courses Nos. 5, 7, 8, 9, 21, 22, 23, 48a, 61, s61b, 62, 63, s63b, 64, 65, 66, 67, 68, and s69b. Supplementary work is required of graduate students taking courses open to undergraduates.

- 112a. OPTICAL MINERALOGY.— Messrs. von Schlichten, Felts
- 112b. MICROSCOPIC PETROGRAPHY OF IGNEOUS ROCKS.—M., W., 9:30-10:30; M., W., 1:10-4:10. Five credits.
Prerequisite: Course 7. Messrs. von Schlichten, Felts
116. ADVANCED PHYSIOGRAPHY OF THE UNITED STATES.—Lecture, W. 4:10-6:10; S., 10:30-11:30. Three credits. Mr. Fenneman
Prerequisite: Course 9.
- 125a. STRUCTURAL GEOLOGY.— Mr. Rich
- 126b. METAMORPHISM.—M., W., 8:30-9:30; Tu., Th., 1:10-4:10. Five credits. Lecture and laboratory. Mr. Rich
Prerequisite: Course 9.
Courses 125a and 126b are given once in two years, beginning in September of the even-numbered years and alternating with Course 156, Economic Geology.
- 148a. MEGASCOPIC PETROGRAPHY.—Tu., Th., 10:30-11:30; F., 1:10-4:10.
Prerequisites: Courses 1 and 7. Mr. Rich
- 149b. ADVANCED CRYSTALLOGRAPHY.—Three credits. Mr. von Schlichten
Prerequisite: Course 112.
This course is given once in two years, alternating with Course 151b, Petrology of Igneous Rocks.
Not given in 1940-1941.
- 151b. PETROLOGY OF IGNEOUS ROCKS.—Three credits. Mr. von Schlichten
Prerequisite: Course 112.
This course is given once in two years, alternating with Course 149b, Advanced Crystallography.
156. ECONOMIC GEOLOGY.—Five credits. Mr. Rich
Lectures, laboratory, and two weeks' field trip.
Prerequisite: Course 112.
This course is given once in two years, beginning in September of the odd-numbered years and alternating with Courses 125a and 126b, Structural and Metamorphic Geology.
Not given in 1940-1941.

- 157a. INTERPRETATION OF SEDIMENTS.—Three credits. Mr. Bucher
- 157b. METHODS OF SEDIMENTARY ANALYSIS.—One lecture and two laboratory periods. Two credits. Mr. Bucher
Prerequisite: Course 9.
170. SEMINAR.—Th., 4:10.
171. INDIVIDUAL WORK IN GEOLOGY.
175. INDIVIDUAL WORK IN GEOGRAPHY.

The following courses, regularly given, are omitted during 1940-1941: 118, World Physiography; 149b, Advanced Crystallography; 156, Economic Geology.

GERMAN

Supplementary work is required of graduate students taking courses open to undergraduates.

Attention is called to German 24, German Readings in General Science, listed in the Announcement of the College of Liberal Arts. This course will be of value to graduate students in science departments who wish to prepare for the reading examination in German given to candidates for the doctor's degree.

- *105. HISTORY OF GERMAN LITERATURE TO THE NINETEENTH CENTURY.—M., W., F., 10:30-11:30. Mr. Zeydel
Special study of the classic periods of the twelfth and eighteenth centuries.
107. MIDDLE HIGH GERMAN.—Tu., 4:10-6:10. Mr. Palmer
111. GERMAN DRAMA OF THE NINETEENTH CENTURY.—Th., 4:10-6:10. Mr. Zeydel
112. GOETHE'S *Faust* (INTERPRETATION OF BOTH PARTS).—M., 4:10-6:10. Miss Nippert, Mr. Fehlau
- *121. MODERN GERMAN FICTION.—Tu., Th., 10:30-11:30. Mr. Planitz
147. HISTORY OF THE ENGLISH LANGUAGE.—Tu., Th., 8:30-10:00. Mr. Lotspeich
Introduction to linguistics, phonetics, and comparative philology based on a study of Gothic.
See Course 147 of the Department of English.

The following courses, regularly given, are omitted during 1940-1941: 106, Modern German Drama; 103, Old High German and Old Saxon; 110, Goethe's Life and Works; 113a, Gothic; 114, Recent Development of German Literature; 115, History of the German Language; 117, Origin and Development of the German Drama to 1800; 118, German Romanticism; 119, Heinrich Heine and Gottfried Keller; 122, Lessing and Schiller; 151, Research.

HISTORY

Supplementary work is required of graduate students taking courses open to undergraduates.

121. ADVANCED COURSE IN GREEK HISTORY.—Th., 4:10-6:10.
See Course 121 of the Department of Classics. Mr. McGregor

*These courses give half credit unless extra work of a graduate nature is registered for at the beginning of the semester.

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UNIVERSITY OF CINCINNATI BULLETIN

Vol. XXXVI

APRIL 8, 1940

No. 9

ANNOUNCEMENT OF COURSES

McMICKEN COLLEGE OF LIBERAL ARTS

1940-1941



PUBLISHED BY THE UNIVERSITY OF CINCINNATI
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16. THE ROMANTIC PERIOD.—M., W., F., 9:30-10:30. 23 McMicken.
Mr. Chandler
This course may be entered in February by students who secure the instructor's permission.
18. AMERICAN LITERATURE BEFORE 1900.—M., W., F., 11:30-12:30.
11 McMicken. Mr. Kreider
This course may be entered in February by students who secure the instructor's permission.
24. MODERN EUROPEAN DRAMA.—M., W., F., 1:10-2:10. 23 McMicken.
Mr. Chandler
This course may be entered in February by students who secure the instructor's permission.
50. READINGS FOR SENIORS.—
Required of all Seniors majoring in English; not open to other students.
120. MAIN CURRENTS IN LITERARY CRITICISM.—Tu., 4:00-6:30. 621 Library.
Mr. Chandler
Graduates only and by permission.
129. ENGLISH LITERATURE AND THOUGHT, 1600-1800.—F., 4:00-6:30.
2 McMicken. Mr. Shafer
Graduates only and by permission. Training in methods of research, involving the completion of a substantial investigation.
Prerequisites: Courses in seventeenth- and eighteenth-century literature.
190. AIMS AND METHODS IN LITERARY SCHOLARSHIP.—F., 3:10-4:00.
(1st sem.) 2 McMicken. Mr. Shafer
A course of twelve lectures, attendance at which is required of all candidates for the degree of A.M. or PH.D. in English. (No course credit.)

The following courses, regularly given, are omitted during 1940-1941: 4, Nineteenth-Century Prose; 6, Victorian Poetry; 9, Argumentation: The Forms of Public Address; 14, English Drama to 1642; 17, Modern English and Irish Poets; 21, The Seventeenth Century and Milton; 26, Play Production; 27, The Literature of the Restoration; 28, New England Writers from Emerson to Frost; 34, English Comedy; 41, Modern Prose; 43, Realism and Naturalism in Fiction; 45, Survey of Speech Techniques; 51, Elizabethan Non-Dramatic Literature; 70, Milton and His Times; 99, American Romanticism; 160, Foreign Backgrounds of English Literature.

FINE ARTS

2. MUSIC.—M., W., 2:10-3:30. 5 Hanna. Miss Coops
Musical form, expression, and composition; trends in musical art; selected musical literature. For statements regarding credit for work in art and in music, see page 34.

GEOLOGY AND GEOGRAPHY

PROFESSORS FENNEMAN*, BUCHER, CASE, RICH, BARBOUR; ASSISTANT PROFESSORS VON SCHLICHTEN, BERGSMARK; CURATOR CASTER; INSTRUCTORS FELTS, DEASY

Fields of concentration are offered in geology and geography as follows: Mineralogy-Petrography; Dynamic Geology-Physiography; Stratigraphy-

*Professor Emeritus in part-time service.

Structural Geology; Paleontology; Economic Geology; Economic Geography. A student wishing to major in geology must present Geology 1, including laboratory, or its equivalent. A student wishing to major in geography must present Geography 60 or its equivalent. Copies of a tentative program for a major in geology or geography may be secured in Room 20, Old Tech Bldg.

Among the bracketed courses recommended to students who will concentrate in geology are the following (preference depending in part on fields of concentration); Chemistry 1, Physics 1, Zoology 1, 5, and 7; Botany 1, 3, 20, 21; Geography 60 or 501; Mathematics A, 3, 2, 5; Astronomy 1, 2; German 1, 2; Economics 1; Philosophy 2.

Among the bracketed courses recommended to students who will concentrate in geography are the following: Geology 1; History 1 or 10; Economics 1, 24; Political Science 12; Botany 1, 3, 20, 21; Sociology 3, 5, 20.

Students looking towards a professional career in geology should consult the Head of the Department early in their course.

GEOLOGY

1. INTRODUCTION TO EARTH SCIENCES.—Lectures, M., W., F., 8:30-9:30. 6 Old Tech. Mr. Barbour

This course is designed primarily for Freshmen. It is prerequisite to all other geology courses with the exception of 5, 7, and 8. It is not required for any geography courses.

By agreement with the instructor in charge, students who do not wish to offer geology as their required science may omit the laboratory course.

LABORATORY EXERCISES.—Sec. I: M., W., 1:10-4:10; Sec. II: Tu., Th., 1:10-4:10. 24 Old Tech. Mr. Barbour and assistants (For special credit see footnote below. †)

5. TOPOGRAPHIC MAPPING.— Mr. von Schlichten
(2nd sem. Practice in topographic mapping with plane table, open sight,
half-course) and telescopic alidade.

- *7. ELEMENTARY MINERALOGY.—Lectures and laboratory, Tu., Th.,
1:10-4:10. 37 Old Tech. Mr. Felts
Prerequisite: High school or freshman chemistry.
(For credit see footnote below. †)

- *9. HISTORICAL GEOLOGY.—Tu., Th., 8:30-9:30 and conferences.
38 Old Tech. Mr. Bucher
The physical properties, origin, and pre-geological history of the earth; the geological development of North America and its ancient life (fossils).

10. ANCIENT LIFE: INTRODUCTION TO PALEONTOLOGY.—M., W., F.,
(1st sem. 9:30-10:30. Mr. Caster
half-course) A survey of the evolutionary history of the animal kingdom as revealed by the fossil record, with special emphasis on fossil vertebrates and man in the western hemisphere.

†Any two of the following courses, when pursued simultaneously, count as three half-courses for a semester or as three courses for the year: 1, 7, 12, 25, 26, or 56. A similar rating is applied when any one of these is taken simultaneously with any other five-hour science course.

*Courses 7 and 9 accepted as graduate work by agreement with the professor in charge.

11. (2nd sem. half-course) PRINCIPLES OF GEOMORPHOLOGY.—Tu., Th., 10:30-11:30; F., 1:10-4:10. Mr. Rich
The interpretation of landscapes, especially as governed by geologic conditions and climate. Reading of topographic maps and aerial photographs.
Prerequisite: Course 1.
- 21, 22, 23. (2nd sem. half-course) GEOLOGIC DEMONSTRATION TRIPS.— Mr. Bucher
Automobile trips covering a distance of 700 to 1000 miles each way, devoted to a study of important geologic features along the route. Trips designed for undergraduates. Special work required for graduate credit. (The three numbers stand for three different excursions given in successive years.)
Prerequisite: Course 1.
- For Upper-Classmen†*
8. INVERTEBRATE PALAEOLOGY.—Tu., Th., 11:30-12:30; F., 1:10-4:10. Mr. Caster
A systematic survey of the important groups of invertebrate fossils with special emphasis on their zoological character and importance as index fossils.
- 12a. (1st sem. half-course) OPTICAL MINERALOGY.—M., W., 9:30-10:30; 1:10-4:10. 32 Old Tech. Messrs. von Schlichten, Felts
Principles of mineral optics and microscopic technique in the identification of minerals.
Prerequisite: Course 7.
- 12b. (2nd sem. half-course) MICROSCOPIC PETROGRAPHY OF IGNEOUS ROCKS.—M., W., 9:30-10:30; 1:10-4:10. 32 Old Tech. Messrs. von Schlichten, Felts
Application of microscopic technique to the study of igneous rocks, including a study of their classification.
(For credit see footnote below.)*
16. ADVANCED PHYSIOGRAPHY OF THE UNITED STATES.—W., 4:10-6:10; S., 10:30-11:30. 28 Old Tech. Mr. Fenneman
Runs through two years, but may be entered at the beginning of any semester.
Prerequisites: Courses 1 and 9.
25. (1st sem. half-course) STRUCTURAL GEOLOGY.—M., W., 8:30-9:30; Tu., Th., 1:10-4:10. 32 Old Tech. Mr. Rich
Principles of rock deformation; geologic measurements, applications of descriptive geometry, methods of determination of structures in the field, including practice in field work.
This course is given once in two years, beginning in September of the even-numbered years. (For credit see footnote below.)*
Prerequisite: Course 9.
26. (2nd sem. half-course) METAMORPHISM.—M., W., 8:30-9:30; Tu., Th., 1:10-4:10. 32 Old Tech. Mr. Rich
A study of the changes produced in rocks through weathering and metamorphism, including laboratory practice in the microscopic study of metamorphic rocks.
This course is given once in two years, beginning in February of the odd-numbered years. (For credit see footnote below.)*
Prerequisites: Courses 9 and 12.

†Graduate credit will be given for additional work by special agreement.

*Any two of the following courses, when pursued simultaneously, count as three half-courses for a semester or as three courses for the year: 1, 7, 12, 25, 26, or 56. A similar rating is applied when any one of these is taken simultaneously with any other five-hour science course.

48. ELEMENTARY PETROGRAPHY.—Tu., Th., 10:30-11:30; 1:10-4:10.
(1st sem. Mr. Rich
half-course) A study of the common rocks and their mode of origin,
including practice in their identification by means of hand-
lens.
Prerequisites: Courses 1 and 7.
51. PETROLOGY OF THE IGNEOUS ROCKS.— Mr. von Schlichten
(2nd sem. Given every two years during the second semester alternating
half-course) with Course 49.
Prerequisite: Course 12.
- 57a. INTERPRETATION OF SEDIMENTS.—Two hours. 38 Old Tech.
(1st sem. Mr. Bucher
half-course) A study of the primary structures and the materials of the
important types of sediments as clues to conditions of sedi-
mentation.
Prerequisite: Course 9.
- 57b. METHODS OF SEDIMENTARY ANALYSIS.—One lecture and two
(2nd sem. laboratory periods. Mr. Bucher and assistant
half-course) Lectures on, and practice in, the most useful methods of
sedimentary analysis.
Prerequisite: Course 9.
50. READINGS FOR SENIORS.—
Required of all Seniors majoring in geology; not open to other
students.
71. INDIVIDUAL WORK IN GEOLOGY.—Credit depends on the amount
of work done.
This course may be entered in February by students who
secure the instructor's permission.

The following courses, regularly given, are omitted during 1940-1941:
6, Geology of Cincinnati; 18, World Physiography; 49, Advanced Crystal-
lography; 56, Economic Geology.

GEOGRAPHY

60. ELEMENTS OF WORLD GEOGRAPHY.—M., W., F., two sections,
11:30-12:30 and 1:10-2:10. 30 and 6 Old Tech.
Messrs. Case, Bergsmark
A general survey of climate, relief, soils, and other resources
and their effects on industry, commerce, and culture.
This course may be entered in February by students who
secure the instructor's permission.
- Not Open to Freshmen†*
61. GEOGRAPHY OF LATIN AMERICA.—W., 4:10-5:50 and conferences.
(1st sem. 6 Old Tech. Mr. Case
half-course) The natural regions and political divisions are studied with
regard to the social, political, and economic developments as
related to geographic conditions.
63. GEOGRAPHY OF EUROPE.—Tu., 4:10-5:50 and conferences. 6 Old
(1st sem. Tech. Mr. Bergsmark
half-course) A study of geographic aspects of European participation in
world affairs and the relation between human life and natural
environment in the various geographic regions and countries
of Europe.

†Graduate credit will be given for additional work by special agreement.