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UNIVERSITY OF CINCINNATI
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GEOLOGY AND GEOGRAPHY

NEVIN MELANCTHON FENNEMAN, PH. D., Professor of Geology and Geography.

J. ERNEST CARMAN, B. S., . . . Assistant Professor of Geology.

OTTO CHARLES VON SCHLICHTEN, A. B., . . . Assistant in Geology.

For Undergraduates

1. An introductory study of minerals and rocks, dynamic geology, origin and classification of topographic forms, atmosphere and ocean; followed by a brief study of the physiography of the United States. Lectures, M., W., F., 8:30-9:30; Laboratory, T., Th., 8:30-10:30; T., Th., 10:30-12:30; T., Th., 2:00-4:00; M., W., 2:00-4:00. Professor Fenneman, Assistant Professor Carman, and Assistants.

9. Historical Geology.—Chiefly the geology of North America, its physical history, life development and structure; regional description based on underlying rocks. Lecture and conference, S., 8:30-10:30; Laboratory, 10:30-12:30.

Assistant Professor Carman.

Geology 9 is accepted as graduate work by agreement with the professor in charge.

For Undergraduates and Graduates

5b. Field Geology and Survey Methods.—The study and mapping of assigned areas in the vicinity of Cincinnati. Students work singly or in parties of two, and submit typewritten reports with topographic and geologic maps. *Second semester.* Hours to be arranged by agreement with each party. Credit for work done. Course 1 is prerequisite. Assistant Professor Carman.

*7. Mineralogy.—This course embraces (1) geometrical study of crystal forms illustrated by wooden models; (2) description and classification of minerals, about 400 species being used in laboratory study; (3) determinative mineralogy and blowpipe analysis. Three hours. Mr. von Schlichten.

Omitted in 1911-12.

8. Introductory Paleontology.—The work of this course is mainly with fossil invertebrates, their specific features, the age of the rocks which contain them, their migrations and association in societies. Recognition at sight is emphasized.

Assistant Professor Carman.

Omitted in 1911-12.

* Course 1 is not prerequisite to Course 7, but the latter is not accepted as a graduate course for students making Geology a major unless Course 2 or its equivalent has been taken.

12. Petrology.—This course embraces (1) the optical principles of mineralogy; (2) the microscopic study of minerals in rock sections; (3) a systematic study of rocks, their constitution, structure, origin, and classification. Professor Fenneman.

Course 7 is prerequisite.

Omitted in 1911-12.

13. Special Work in Geology.—Any student in this department may, by agreement with the instructors in charge, register for individual study or investigation not described in the list of courses. Such work must be regularly supervised and approved upon examination or by the preparation of a thesis. Credit according to the value of the work.

For Teachers

14. General Geology for Teachers.—Elements of dynamic, structural, and physiographic geology, being identical with the corresponding parts of Course 1. Lecture, S., 8:30-9:30. Recitation and laboratory, 9:30-12:00. Professor. Fenneman.

See also Geology 9.

GERMAN

MAX POLL, PH. D., . . . Professor of the Germanic Languages.

*CLAUDE M. LOTSPEICH, PH. D., . . Assistant Professor of German.

ELSE SCHRADER, A. M., Instructor in German.

OTTO CHARLES VON SCHLICHTEN, A. B., . . Instructor in German.

ASSISTANT: Miss Andriessen.

For Undergraduates

1. Elementary German.—Grammar, translation from German into English, and elementary exercises in translating into German. Sec. I, T., Th., S., 8:30-9:30; Sec. II, M., W., F., 11:30-12:30.

Miss Schrader and Mr. von Schlichten.

2. German Prose and Poetry.—Reading at sight, grammar, composition, and dictation. Sec. I, T., Th., S., 9:30-10:30; Secs. II and III, M., W., F., 9:30-10:30.

Miss Schrader and Mr. von Schlichten.

Course 2 is open to students who have passed in Course 1.

Course 2 does not count towards a major in German.

3. German Composition (Beginners' Course).—German grammar, conversation, and practice in writing German. T., Th., 10:30-11:30.

Miss Schrader.

Course 3 is open to students who have passed in Course 1.

Courses 2 and 3 may be advantageously taken together.

*Absent on leave, 1911-12.