825. *History and Philosophy of Geography*

Fall. 3(3-0) Approval of department.

Analysis of the monographic and serial literature dealing with the theory and evolution of geographic science.

826. *Research Design in Geography*

Winter. 3(3-0) Approval of department.

Formalized approach to research and writing in geography: Identification of geographic problems and their relative importance, structuring and stating hypotheses, data acquisitions, and tests for validity.

827. *Contemporary Theory and Methodology in Geographic Research*

(816.) Spring. 3(3-0) Approval of department.

Examination of the forward edges of geographic research, particularly with respect to its relation to other disciplines, scientific methodology in general, and the evolution of geography as a professional scholarly discipline.

834. *Seminar in Physical Geography*

Winter, Spring. 3(3-0) May re-enroll for a maximum of 9 credits. Approval of department.

Analysis of classical and contemporary problems in physical geography treated as follows: climatology (winter), biogeography (spring), geomorphology (spring).

835. *Seminar in Location Theory*

Fall. 3(3-0) Approval of department, 435.

Recent developments and research in location analysis and regional science.

836. *Population Geography Seminar*

Spring. 3(3-0) Approval of department.

Studies of particular topics and problems in population geography.

838. *Interdisciplinary Seminar on Africa*

For course description, see **Interdisciplinary Courses.**

850. *Advanced Field Techniques*

Fall, Winter, Spring, Summer. Variable credit. May re-enroll for a maximum of 6 credits.

Instruction and practical training in the selection, data-gathering, on-site analysis, and presentation of geographic field problems.

858. *Seminar in Geographic Education*

Spring. 3(3-0) Approval of department.

Treatment of selected topics in geographic education.

870. *Seminar in Medical Geography*

Winter. 3(3-0).

Spatio-environmental analysis of selected health problems.

899. *Research*

Fall, Winter, Spring, Summer. Variable credit. Approval of department.

901. *Problems in Cultural Geography*

Fall, Winter, Spring. Variable credit. May re-enroll for a maximum of 6 credits. Approval of department.

Special research problems.

902. *Problems in Physical Geography*

Fall, Winter, Spring, Summer. Variable credit. May re-enroll for a maximum of 6 credits.

Supervised research in specific topics of physical geography.

906. *Problems in Economic Geography*

Fall, Winter, Spring, Summer. Variable credit. May re-enroll for a maximum of 6 credits. Approval of department.

Special research problems.

908. *Problems in Political Geography*

Fall, Winter, Spring, Summer. Variable credit. May re-enroll for a maximum of 6 credits. Approval of department, 416.

Special research problems.

910. *Problems in Historical Geography*

Fall, Winter, Spring, Summer. Variable credit. May re-enroll for a maximum of 6 credits. Approval of department.

Special research problems in historical geography.

912. *Independent Study in Regional Geography*

Fall, Winter, Spring, Summer. Variable credit. May re-enroll for a maximum of 15 credits. Approval of department.

Individual studies in regional geography.

918. *Problems in Geography*

Fall, Winter, Spring, Summer. Variable credit. May re-enroll for a maximum of 9 credits. Approval of department.

Research on specific geographical problems.

934. *Problems in Population*

Fall, Winter, Spring, Summer. Variable credit. May re-enroll for a maximum of 9 credits. Approval of department.

Special research problems.

970. *Problems in Medical Geography*

Fall, Winter, Spring. Variable credit. May re-enroll for a maximum of 6 credits. Approval of department.

Selected research topics in medical geography.

999. *Research*

Fall, Winter, Spring, Summer. Variable credit. Approval of department.

GEOLOGY GLG

College of Natural Science

200. *The Geology of Man's Environment*

Fall, Winter, Spring, Summer. 3(3-0) Not open to Geology majors.

The relation of geological processes and Earth materials to man. The nature and evolution of the Earth and life upon it. Man's exploitation of the non-renewable resources of the Earth.

200L. *Laboratory—Geology of Man's Environment*

Fall, Winter, Spring, Summer. 1(0-3) 200 or concurrently.

The geological reasoning concerning the nature and evolution of the Earth.

201. *General Geology—Physical*

Fall, Winter, Spring. 4(4-2) Credit will be given for only one of the following: 200, 201, 306.

Minerals and rocks of the earth's crust; constructive and destructive forces including volcanism, mountain building, rock deformation, erosion and deposition; economic aspects of geology; concepts of earth origin and methods of age determination. Laboratory study of minerals, rocks, experimental models and maps; field trips.

202. *General Geology — Historical*

Fall, Winter, Spring. 4(4-2) 201 or 306; or approval of department.

Physical and biological history of the earth; environmental interpretation of sedimentary rocks and fossils; mountain building, sea-floor spreading and continental drift; organic evolution and diversification; paleoccology.

205. *Oceanology: The Marine Environment and Man*

Fall. 3(3-0)

Physical oceanography, including origin, hydrologic, chemical, geological properties; and environmental quality of the oceans. Man-sea interactions are emphasized including resource utilization and pollution.

302. *Vertebrate Life of the Past*

Fall. 3(3-0) Not open to zoology majors. Interdepartmental with the Zoology Department.

Fossil vertebrates from fish to man.

303. *Introductory Geomorphology*

Winter. 3(3-0)

Descriptive course treating the geological origin and development of important surface features including special consideration of Pleistocene landforms of the Great Lakes region.

303L. *Laboratory—Introductory Geomorphology*

Winter. 1(0-2) 303 or concurrently.

Methods of map interpretation and use of aerial photographs in geomorphology. Supplemental field trip to study the geology of pertinent landforms.

304. *Geology of Michigan*

Fall. 3(3-0) 200 or 201 and/or 202; or approval of department.

A historical accounting of the physical, historical and economic geology of Michigan and its environs; a course designed for students seeking an overall picture of the rather unique Michigan geological environment.

306. *Engineering Geology*

Fall. 3(3-2) Credit will be given for only one of the following: 200, 201, 306. Sophomore Engineering students.

Fundamental principles of geology as applied to civil engineering practice. Minerals and rocks, aerial photographs, topographic and areal geologic maps and geologic cross sections studied in laboratory. Source of geologic literature and maps.

307. *Geology Central Appalachians*

Winter. 1(0-2) 200, or 201, or 202, or concurrently.

General geology of the Central Appalachians. A preparatory course for 308. Field excursions—Central Appalachians during spring vacation.

308. *Field Excursion—Central Appalachians*

Spring. 2 or 3 credits. 307.

Training in stratigraphic, sedimentological, paleontologic, and structural principles as applied to field methods.

321. *Mineralogy*

(421.) Fall. 4(3-4) One term of chemistry.

Introduction to crystal systems and forms exhibited by minerals, followed by study of composition, occurrence, classification, and identification of nonmetallic minerals.

322. *Mineralogy*

(422.) Winter. 4(3-4) 321.

Selective qualitative analysis of minerals by blow pipe and other methods.

323. *Lithology*

(423.) Spring. 4(3-4) 321.

Identification of common rocks with hand lens. Origin, variation, occurrence, associations and field classifications of important rock types.

326. *Minerals, Rocks and Fossils*

Spring, Summer. 3(2-3) Not open to majors.

Description, occurrence and identification of minerals, rocks, fossils, and additional features of especial significance to general science teachers and other earth science interest groups.

344. *Field Geology—Summer Camp*

Summer. 9 credits. 202, 323. Trigonometry; GLG 434, 437, 451 recommended.

Methods and techniques of geological surveying and mapping. Field interpretation of geological phenomena in igneous, metamorphic and sedimentary rocks in northern Michigan and Wisconsin.

A. Introduction to Field Techniques
3 credits.
Introduction to field techniques with stress on those that apply to sedimentary rocks. Stratigraphic correlation.

B. Methods of Geological Mapping
4 credits.
Plane table surveys, aerial photo and reconnaissance mapping. Examination and interpretation of structural and textural relationships in igneous and metamorphic rocks.

C. Geologic Interpretation of Selected Areas
2 credits.
Independent mapping and interpretation.

400H. *Honors Work*

Fall, Winter, Spring. Variable credit. Approval of department.

411. *Ground Water Geology*

Winter. 3(3-2) One term of geology and trigonometry.

Principles of the source, occurrence, and movement of ground water. Surface and subsurface investigations of ground water and elementary ground water hydrology.

413. *Glacial Geology*

Spring. 3(3-2) 201.

Geological aspects of glaciers and glaciation. Theories of ice ages through geologic time. Origin and development of glacial geomorphic features. Character and chronology of the Pleistocene. Laboratory techniques, with field trips to observe glacial materials and features of Michigan.

430. *Vertebrate Paleontology*

Winter. 4(3-3) ZOL 314 or approval of department. Interdepartmental with the Zoology Department.

Fossil vertebrates with emphasis on the evolution of major groups. Laboratories on modern techniques and on the identification and interpretation of fossils.

432. *Introduction to Meteorology*

For course description, see **Interdisciplinary Courses.**

433. *Introductory Meteorology Laboratory*

For course description, see **Interdisciplinary Courses.**

434. *Principles of Stratigraphy*

Fall. 3(3-0) 437, 492 or approval of department.

Covers principles of stratigraphy and application and exemplification of these principles to known geologic occurrences.

437. *Invertebrate Paleontology*

(431.) Winter. 4(3-4) 202 or ZOL 381 or approval of department.

Systematics and evolution of marine invertebrates; uses of fossils in correlation and delineation of geologic time; structure and morphology of fossils as related to evolutionary development.

438. *Paleoecology*

Spring. 4(3-4) 437.

Distribution and abundance of marine fossils; response of skeletal morphology to environmental conditions; uses of fossils in reconstructing ancient climates and depositional environments.

445. *Field Studies*

Fall, Winter, Spring, Summer. Variable credit. May re-enroll for a maximum of 12 credits. Approval of department.

Advanced geological or geophysical field studies.

451. *Structural Geology*

Spring. 4(2-6) 202.

Description, classification, and origin of secondary structures such as folds, faults, joints, cleavages, foliations and lineations. Three-dimensional visualization stressed in economic laboratory problems involving descriptive geometry, stereographic projections, areal, and structural geologic maps.

461. *Optical Mineralogy*

Winter. 3(2-4) 321.

Theory and practice of determining optical constants of crystals with aid of polarizing microscope.

462. *Petrology*

Fall. 4(3-4) 323.

Introduction to the chemical and physical processes that are responsible for the origin and evolution of igneous and metamorphic rocks. Laboratory studies of rock suites that illustrate basic processes in petrology.

474. *Geophysical Methods*

Winter. 4(3-2) 201; MTH 112; PHY 239.

Principles of gravitational, magnetic, seismic, electrical, radioactive, and well logging methods. Application to mining, petroleum, and engineering problems.

475. *Geophysics*

Spring. 3(3-0) MTH 112; PHY 239.

General aspects of geophysics. Topics chosen from the following: earth's origin, age determinations, earthquakes, seismology, volcanism, isostasy, mountain building, figure of earth, earth's interior, and terrestrial magnetism and electricity.

476. *Geophysical Laboratory Investigations*

Fall, Winter, Spring. Variable credit. May re-enroll for a maximum of 9 credits. Approval of department.

Independent laboratory research emphasizing geophysical model studies, instrumentation, and physical properties of earth materials.

477. *Geophysical Field Studies*

Fall, Winter, Spring. Variable credit. May re-enroll for a maximum of 9 credits. Approval of department.

Independent geophysical field studies and interpretation of data.

482. *Economic Geology—Principles*

Spring. 3(3-0) 422.

Formation of mineral deposits except petroleum. Mineral economics, mining law, and mining methods discussed briefly. Writing of geological reports of important districts.

483. *Petroleum Geology*

Fall. 3(3-2) Approval of department.

Fundamental principles of the origin, migration and accumulation of petroleum. Exploration techniques to include well drilling, electric and radioactivity well logging, surface and subsurface exploration methods, seismic surveys, land leasing and oil field development. Laboratory study of well log plotting and subsurface mapping technique.

484. *Applied Petroleum Geology*

Winter. 3(1-4) 483.

Microscopic examination of well cuttings, practice in the use of electric and radioactivity logs, exploration for petroleum in selected areas by subsurface mapping techniques, economics of petroleum exploration.

492. *Sedimentology I*

Fall. 3(2-3) 461 or approval of department.

Grain and aggregate properties of sediments; relationships of these properties to processes in the environment of deposition and to the pre-depositional and post-depositional history.

493. *Sedimentology II*

Winter. 3(2-3) 492.

Quantitative evaluation of sediment properties; sedimentary structures; regional analysis of sediment variation.

495. *Geochemistry I*

Fall. 3(3-0) 201, CEM 152 or approval of department.

Processes affecting the distributions of elements in rocks, soils, waters, the atmosphere, interior of the earth and in meteorites. Origin of the elements. Evolution of the mantle, crust, atmosphere and oceans.

496. *Geochemistry II*

Winter. 3(3-0) 495.

Continuation of 495. Application of thermodynamics to geochemical problems. Study of isotope ratios and their application to geochemical problems in the earth's crust. Application of trace element partitioning in solid-liquid equilibrium.

800. *Special Problems*

Fall, Winter, Spring, Summer. Variable credit. Approval of department.

Special problems in hydrogeology, geomorphology and glacial geology, mineralogy and crystallography, petrology, paleontology, structural geology, and petrofabrics, stratigraphy, aerogeology, geophysics, economic geology, petroleum geology, sedimentation, and geochemistry.

810. Seminar
Fall, Winter, Spring. 1 credit. May re-enroll for a maximum of 3 credits.

Selected topics relating to current research in geology.

811. Physical Oceanography
Spring. 3(3-2) Approval of department.

Study of geomorphic, sedimentary, geochemical and geophysical aspects of oceans, including marine hydrodynamics, ocean waves, tides, currents, methods and instruments of ocean study.

812. Principles of Geomorphology
Fall. 3(3-2) 201, 303, or approval of department.

Landforms and processes involved in their origin and development. Emphasis on fundamental concepts as they relate to destructional and constructional stresses on earth materials. Introduction to quantitative laboratory and field methods.

814. Field Glaciology
Summer. Variable credit. Approval of department.

Expeditionary camp in an area of existing glaciers providing field training in glaciology and associated disciplines. Usually conducted at the Institute field stations on the Juneau Icefield, Alaska. Formal lectures given concurrently with a program of related field research.

821. X-Ray Crystallography
Fall. 3(2-4) 321.

Mineral structures studied by X-ray diffraction methods.

825. Clay Mineralogy
Winter. 4(3-4) SLS 840, 850 or approval of department. Interdepartmental with Soil Science.

Structures and properties of clays; their origins, occurrence, and utilization. Methods of studying clays including x-ray diffraction, differential thermal analysis, infrared absorption and other chemical and physical techniques.

830. Paleobotany
Fall. 4(3-4) Approval of department. Interdepartmental with and administered by the Botany and Plant Pathology Department.

Survey of fossil plants: their preservation, occurrence, geology, paleogeography, paleoecology, evolutionary history, classification and representative types. One weekend field trip to fossil plant locality.

831. Palynology
Spring. 4(3-4) Approval of department. Interdepartmental with the Botany and Plant Pathology Department.

An introduction to the principles and techniques of spore and pollen analysis, both fossil and recent, and utilization of plant micro-fossils for stratigraphic determinations and paleoecologic interpretations of most sedimentary accumulations and rocks. (Includes certain algae, protozoans, similar organisms of uncertain affinity and dissociated fragments of larger organisms.

833. Micropaleontology
Fall. 3(2-4) Approval of department.

Classification and morphology of microscopic organisms with emphasis of Foraminifera and Ostracoda.

838. Advanced Paleobotany
Winter. 3(2-4) Approval of department. Interdepartmental with and administered by the Botany and Plant Pathology Department.

Morphology, anatomy, phylogenetic relationship and classification of fossil plants. Microscopic analysis of tissues and organs prepared by thin section, transfers, peels, polished and etched surfaces, and macerations.

843. Paleozoic Stratigraphy
Winter. 4(5-0) 434, 492.

Classification, distribution, paleogeography, paleontology, interrelation, and structural setting of stratigraphic units within the Paleozoic systems. Laboratory work involves construction of correlation charts, structure and restored sections, paleogeologic, paleogeographic, and lithofacies maps, and study of certain key fossils.

844. Mesozoic and Cenozoic Stratigraphy
Spring. 3(3-0) 434.

Stratigraphy and paleontology with emphasis on tectonics and sedimentation.

851. Petrofabrics
Winter of odd-numbered years. 3(2-4) 461, 462.

The use of the petrographic microscope and universal stage in determining rock fabrics; the interpretation of these fabrics in terms of regional structural geology.

852. Advanced Structural Geology
Winter of even-numbered years. 3(2-4) 451, MTH 214.

Mathematics and physics applied to problems in structural geology.

862. Petrology—Igneous
Winter. 3(2-4) 462.

Theoretical and practical application of fundamental physicochemical principles in petrogenesis.

863. Petrology—Metamorphic
Spring. 3(2-4) 462.

Origin and classification of metamorphic rocks. Study includes thin section investigation of the metamorphic textures and mineral associations and the physical-chemical principles involved in their development.

864. Advanced Sedimentology
Spring. 3(2-4) May re-enroll for a maximum of 12 credits. 493, approval of department.

Selected topics of current sedimentological interest.

870. Geophysics Seminar
Fall, Winter, Spring. Variable credit. May re-enroll for a maximum of 12 credits. Approval of department.

Selected topics in geophysics.

871. Advanced Geophysical Laboratory
Fall, Winter, Spring. Variable credit. May re-enroll for a maximum of 9 credits. Approval of department.

Laboratory research on selected geophysical problems.

872. Field Seismology
Fall. 4(2-4) 474.

Theory and technique of field seismic exploration methods. An associated geophysical survey will be conducted and a report prepared.

873. Fundamentals of Seismology I
Winter. 3(3-0) MTH 215 or concurrently; PHY 289 or concurrently.

Theory and application of seismic wave propagation in earth materials.

874. Fundamentals of Seismology II
Spring. 3(3-0) 873 or approval of department.

Continuation of 873.

875. Magnetic Exploration
Winter. 4(3-2) 474.

Theory and technique of magnetic exploration methods. Associated geophysical survey will be conducted and a report prepared.

876. Gravity Exploration
Fall. 4(3-2) 474; MTH 214.

Theory and technique of gravity exploration methods. Associated geophysical survey will be conducted and a report prepared.

877. Electrical Exploration
Spring. 4(3-2) 474; MTH 215.

Theory and technique of electrical exploration methods. Associated geophysical survey will be conducted and a report prepared.

884. Regional Petroleum Geology
Spring. 3(3-0) Approval of department.

Regional study of tectonics, stratigraphy and sedimentation in the U.S. and their relationship to petroleum occurrences in sedimentary basins. Analysis of petroleum distribution with emphasis on creative thinking in petroleum exploration. Practice in the analysis of petroleum possibilities in selected foreign areas.

886. Economic Geology—Metallics
Fall of odd-numbered years. 3(3-3) 461, 482.

Occurrence and geology of metallic ore deposits. Methods of study, exploration and exploitation discussed.

887. Economic Geology—Nonmetallics
Fall of even-numbered years. 3(3-3) 461, 482.

Occurrence and geology of industrial mineral deposits. Methods of study, exploration and exploitation discussed.

892. Isotope Geochemistry
Fall. 3(3-0) 495 or approval of department.

The abundances of stable and radiogenic nuclides and their variations in nature. Applications to geochronology and petrogenesis. Principles and applications of neutron activation analysis to geological problems.

895. Selected Topics in Geochemistry
Winter. 3(3-0) 462, 495.

Chemistry of selected geologic processes.

899. Research
Fall, Winter, Spring, Summer. Variable credit. Approval of department.

900. Special Problems
Fall, Winter, Spring, Summer. Variable credit. Approval of department.

Special problems in hydrogeology, geomorphology and glacial geology, mineralogy and crystallography, petrology, paleontology, structural geology and petrofabrics, stratigraphy, aerogeology, geophysics, economic geology, petroleum geology, sedimentation, and geochemistry.

999. Research
Fall, Winter, Spring, Summer. Variable credit. Approval of department.

Earth Science E S

407. Earth Science for Teachers
(PHS 407.) Fall. 3(3-0) or 4(3-3).

Fundamentals of climatology and its relationship to weathering in rocks; agents of erosion, transportation, and deposition; study of the common minerals; the three classes of rocks, and igneous, sedimentary and metamorphic processes; geomorphic features including glaciers, volcanoes, oceans, lakes, deserts, caves and others. Laboratory includes indentification of minerals, rocks; study of topographic maps; and field trips to points of geologic interest.

408. *Earth Science for Teachers*

(PHS 408.) Winter. 3(3-0) or 4(3-3) 407.

Continuation of physical geology and introduction to historical geology, containing discussions of earth structures, mountain building, economic geology; geologic time, basic astronomy, theories of earth origin; the earliest geologic eras, first evidences of life.

409. *Earth Science for Teachers*

(PHS 409.) Spring. 3(3-0) or 4(3-3)

Historical development of the various geologic periods through time with reference to the evolutionary development of the physical landscape, ancient geography, past climate, diastrophic events and marine and land animals and plants. Laboratory includes the identification of important animals and plant fossils, fossil environments, geologic maps; field trips to collecting localities.

410. *Earth Science Seminar for Teachers*

Fall, Winter, Spring. 1(2-0) May re-enroll for a maximum of 4 credits. One earth science subject matter course or concurrently.

Earth science subject matter areas will be inter-related through student presentation and discussion and their interdisciplinary significance developed.

445. *Field Studies*

Fall, Winter, Spring, Summer. 1-9 credits. May re-enroll for a maximum of 15 credits. Approval of department.

Experience and techniques in field investigation of the near surface layers of the earth.

446. *Laboratory Investigations*

Fall, Winter, Spring, Summer. 1-6 credits. May re-enroll for a maximum of 15 credits. 445 or concurrently.

Independent laboratory investigation of materials and phenomena obtained from field studies.

GERMAN AND RUSSIAN

College of Arts and Letters

Students who have had high school work in the foreign language in which they wish to continue their studies must take a placement examination in that language. Placement in the appropriate course is determined by the results of this examination. University credit is not given for courses waived by performance on the placement examination.

German and Russian Courses — G R

299. *Special Projects*

Fall, Winter, Spring, Summer. Variable credit. May re-enroll for a maximum of 18 credits. Approval of department.

Work in areas outside regular course offerings.

303. *Folklore*

Spring. 3(3-0)

Folk heritage of peoples as revealed in their legends, superstitions, ballads, folksongs, hero tales, sayings, customs, and beliefs. Historical development of traditional lore as a reflection of social attitudes and the source for national mythologies.

417. *Scandinavian Contributions to Literary Tradition*

(C L 418.) Fall. 3(3-0) Approval of department.

Development and influence of the ideas, forms and motifs of the Scandinavian literatures in the literatures of the world.

418. *Scandinavian Contributions to Literary Tradition*

(C L 418.) Winter. 3(3-0) Approval of department.

Continuation of 417.

419. *Scandinavian Contributions to Literary Tradition*

(C L 418.) Spring. 3(3-0) Approval of department.

Continuation of 418.

499. *Special Projects*

Fall, Winter, Spring, Summer. Variable credit. May re-enroll for a maximum of 18 credits. Approval of department.

Work in areas outside regular course offerings.

German — GRM

101. *Elementary German*

Fall, Winter, Spring, Summer. 4(4 1)

Beginner's course. Drill in pronunciation, elementary principles of inflection and syntax; easy reading and conversation.

102. *Elementary German*

Fall, Winter, Spring, Summer. 4(4-1) 101.

Continuation of 101.

103. *Elementary German*

Fall, Winter, Spring, Summer. 4(4-1) 102.

Continuation of 102.

201. *Intermediate German—Regular*

Fall, Winter, Spring, Summer. 4(3-1) 103. Students may not receive credit for both 201 and 211.

Systematic review of grammar, oral practice, intensive and extensive reading of modern texts. This course or equivalent is required of majors and those planning to take advanced work in German.

202. *Intermediate German—Regular*

Fall, Winter, Spring, Summer. 4(3-1) 201. Students may not receive credit for both 202 and 212.

Continuation of 201.

203. *Intermediate German—Regular*

Fall, Winter, Spring, Summer. 4(3-1) 202. Students may not receive credit for both 203 and 213.

Continuation of 202.

211. *Intermediate German—Reading*

Fall, Winter, Spring, Summer. 4(4-0) 103. Students may not receive credit for both 201 and 211.

For students primarily interested in learning to read German. Review of grammar, reading in a variety of materials. Not open to those planning to take advanced work in German.

212. *Intermediate German—Reading*

Fall, Winter, Spring, Summer. 4(4-0) 211. Students may not receive credit in both 202 and 212.

Continuation of 211.

213. *Intermediate German—Reading*

Fall, Winter, Spring, Summer. 4(4-0) 212. Students may not receive credit in both 203 and 213.

Continuation of 212.

241. *Masterpieces in German in Translation*

(341.) Fall. 3(3-0) Knowledge of German not required. Not applicable to major requirements.

Selections from narrative prose, drama, and lyric poetry chosen to encourage and develop an appreciation of German literature.

242. *Masterpieces in German Translation*

(342.) Winter. 3(3-0) Knowledge of German not required. Not applicable to major requirements.

Continuation of 241.

243. *Masterpieces in German in Translation*

(343.) Spring. 3(3-0) Knowledge of German not required. Not applicable to major requirements.

Continuation of 242.

301. *Introduction to German Literature*

Fall. 3(3-0) 203. Required of majors.

Representative works of eighteenth and early nineteenth century authors.

302. *Introduction to German Literature*

Winter. 3(3-0) 301.

Representative works of nineteenth century authors.

303. *Introduction to German Literature*

Spring. 3(3-0) 302.

Representative works of twentieth century authors.

321. *German Composition and Conversation*

Fall. 3(3-0) 203.

Essential and difficult points of grammar reviewed. Written and oral reports; active participation in class discussion. Designed especially for students who plan to teach German.

322. *German Composition and Conversation*

Winter. 3(3-0) 321.

Continuation of 321.

323. *German Composition and Conversation*

Spring. 3(3-0) 322.

Continuation of 322.

400H. *Honors Work*

Fall, Winter, Spring. Variable credit. Approval of department.

405. *Schiller*

Fall. 3(3-0) 303 or approval of department.

Principal works of Schiller.

406. *Goethe*

Winter. 3(3-0) 303 or approval of department.

Principal works of Goethe.

407. *Goethe: Faust*

Spring. 3(3-0) 303 or approval of department.

Goethe: Faust I and II.