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.
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.

855. 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.
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.

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

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 volcanic, 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 305; or approval of department.
Physical and historical history of the earth, environmental interpretation of sediments, rocks and fossils; mountain building; sea-floor spreading and continental drift; organic evolution and diversification; paleoecology.

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
Spring, 3(3-0)
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, 201, 306. Sophomore Engineering students.
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, 202, 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, 201, 302, or concurrently.

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
(481) 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, 393. Trigonometry; GLG 424, 437, 431 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 photos 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. 4(3-4) 301.
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(3-3) 301.
Geology, aspects of glaciers and glaciation. Theories of ice sheet and its evolution. Geologic time. Origin and development of glacial geomorphic features. Changes in glacial landform and glacier advance. Laboratory techniques, with field trips to observe glacial materials and features of Michigan.

430. Vein Ore Paleontology
Winter. 4(3-2) ZOL 315, or approval of department. Interdepartmental with and administered by the Zoology Department.
Field 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(0-9) 427, 492 or approval of department.
Covers principles of stratigraphy and its application and exemplification of these principles to known geologic occurrences.

437. Invertebrate Paleontology
(431.) Winter. 4(3-4) 202 or ZOl 351 or approval of department. Systematics and evolution of marine invertebrates; uses of fossils in correlation and classification of geologic time; structure and morphology of fossils as related to evolutionary development.

438. Paleocology
Spring. 3(3-3) 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) 203.
Description, classification, and origin of secondary structures such as folds, faults, joints, cleavages, bedding and lineations. Three-dimensional visualization stressed in economic laboratory problems involving descriptive geometry, stereographic projections, axial 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) 393.
Introduction to the chemical and physical processes that are responsible for the origin and evolution of igneous and metamorphic rocks. Laboratory study of rock suites that illustrate basic processes in petrology.

471. Photogrammetry
Winter. 4(2-6) MTH 102 or approval of department. Sophomores. Map construction from aerial photographs using standard photogrammetric equipment, interpretation of topography and geologic features from aerial maps, relation of surface features to underlying rock character and structure.

474. Geophysical Methods
Winter. 4(5-2) 201; MTH 112; PHY 239.
Principles of gravitational, magnetic, seismic, electrical, radiometric, and well logging methods. Application to mining, petroleum, and engineering problems.

475. Geophysics
Spring. 3(3-0) MTH 112; PHY 239.
Geophysical Methods

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.

482. Economic Geology—Principles
Spring. 3(5-3) 432.
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
Winter. 3(3-3) 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 techniques.

484. Applied Petroleum Geology
Spring. 3(3-4) 483.
Microscopic examination of well cuttings, practice in the site of electric and radioactivity logs, exploration for petroleum in selected areas by subsurface mapping techniques, economics of petroleum exploration.

492. Sedimentology I
Fall. 3(3-3) 461 or approval of department.
Sedimentary processes and environments of deposition; characteristics of sediments and rocks; 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 distribution 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.

800. Special Problems
Fall, Winter, Spring, Summer. Variable credit. Approval of department.
Special problems in hydrogeology, geomorphology and glacial geology, water resources and engineering geology, petroleum geology, geophysics, economic geology, geophysical methods, the earth sciences, and other special problems.
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, geochronologic 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 constructive stresses on earth materials. Introduction to quantitative laboratory and field methods.

814. Field Geocology
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) 391.
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, paleoecology, paleoclimatology, 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. Micropalentology
Winter. 3(2-4) Approval of department.
Classification and morphology of microscopic organisms with emphasis on Foraminifera and ostracods.

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. Micropaleontologic analysis of tissues and organs prepared by thin section, transverse, polished and etched surfaces, and maceration.

843. Paleozoic Stratigraphy
Winter. 4(5-0) 434, 492.
Classification, distribution, paleoecography, paleontology, interrelation, and structural setting of stratigraphic units within the Paleozoic systems. Laboratory work includes construction of correlation charts, structure and restored sections, paleoecologic, paleogeographic, and taphofacies 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.

853. Petrology—Metamorphic
Spring. 3(2-4) 462.
Theoretical and practical application of fundamental physicochemical principles in petrogenesis.

856. Petrology—Igneous
Winter. 3(2-4) 462.
Theoretical and practical application of fundamental physicochemical principles in petrogenesis.

862. Petrology—Igneous
Winter. 3(2-4) 462.
Theoretical and practical application of fundamental physicochemical principles in petrogenesis.

871. Advanced Geophysical Laboratory
Fall. Winter, Spring. Variable credit. May re-enroll for a maximum of 12 credits. 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 12 credits. Approval of department.
Laboratory research on selected geophysical problems.

872. Field Seismology
Fall. 4(3-4) 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 389 or concurrently.
Theory and application of seismic wave propagation in earth materials.

874. Fundamentals of Seismology II
Spring. 3(3-0) 872 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
Fall. 3(2-4) 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—Metals
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—Nonmetals
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) 455 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

407. Earth Science for Teachers (PHS 407)
Fall. 3(3-0) or 4(3-3).
Fundamentals of climate 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 identification of minerals, rocks, study of topographic maps, and field trips to points of geologic interest.

407. Earth Science for Teachers
(PHS 407.) Winter. 3(3-0) or 4(3-2)
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 area will be inter-related through student presentation and discussion and their interdisciplinary significance developed.

445. Field Studies
Fall, Winter, Spring. 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. 1-9 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

209. 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, epics or cosmology, ballads, folktales, 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 417.) 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. 4(4-1) Continuation of 101.

103. Elementary German
Fall, Winter, Spring, Summer. 4(4-1) 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 203 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 in 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) 300 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.