

**490. Independent Study**  
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 12 credits in all enrollments for this course.  
R: Approval of department.  
Supervised individual study in an area supplementary to regular courses.

**492. Geographic Research Problems**  
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 12 credits in all enrollments for this course.  
R: Not open to freshmen and sophomores. Approval of department.  
Supervised original research on selected aspects of geography.

**495. Field Study**  
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course.  
R: Not open to freshmen and sophomores. Approval of department.  
Supervised field study in geography.

**498. Internship in Geography**  
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course.  
R: Open only to juniors and seniors. Approval of department.  
Individual experience in geography in an approved organization.

**809. Topics in Physical Geography**  
Spring. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.  
Review of research on topics in physical geography such as climatology, geomorphology, soils, or plant geography.  
QA: GEO 834

**813. Topics in Urban and Economic Geography**  
Spring. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.  
P: Two of GEO 413, GEO 414, GEO 415, GEO 416, GEO 417, GEO 418.  
Review of research on selected topics in urban and economic geography.  
QP: TWO of GEO 401, GEO 403, GEO 435 QA: GEO 805

**815. Topics in Location Theory and Transportation Geography**  
Spring. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.  
P: Two of GEO 413, GEO 414, GEO 415, GEO 416, GEO 417, GEO 418.  
Review of research on selected topics in location theory and transportation geography.  
QP: TWO of GEO 401, GEO 403, GEO 435 QA: GEO 835

**823. Map Automation**  
Fall of even-numbered years. 3(2-2)  
Use of computers in cartography. Cartographic algorithms, interpolation, and line generalization. Program intelligence. Cartographic data bases.  
QP: GEO 223 QA: GEO 449

**825. Geoprocessing**  
Fall of odd-numbered years. 4(4-0)  
Integration of digital remote sensing data, geographic information systems, spatial analysis, and expert systems in solving research problems. Class research project.  
QP: GEO 424

**826. Topics in Cartography and Geoprocessing**  
Spring. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.  
Review of research in cartography, geographic information systems, and remote sensing.  
QA: GEO 846

**850. Topics in Regional Geography**  
Fall of even-numbered years, Spring. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.  
Review of research on contemporary geographic issues in different world regions.  
QA: GEO 840

**865. Advanced Quantitative Methods in Geography**  
Spring. 4(4-0)  
P: GEO 465.  
Statistical and mathematical approaches. Multiple regression, principal components and factor analysis, discriminant analysis. Related taxonomic methods.  
QP: GEO 427 QA: GEO 811

**886. Research Design in Geography**  
Spring. 3(3-0)  
Research and writing in geography. Identification of geographic problems and their relative importance. Structuring and stating hypotheses. Data acquisition and tests for validity.  
QA: GEO 826

**890. Advanced Readings in Geography**  
Fall, Spring, Summer. 1 to 8 credits. A student may earn a maximum of 12 credits in all enrollments for this course.  
R: Approval of department.  
Advanced independent readings.  
QA: GEO 818

**892. Advanced Research in Geography**  
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 12 credits in all enrollments for this course.  
Advanced independent research.

**899. Master's Thesis Research**  
Fall, Spring, Summer. 1 to 12 credits. A student may earn a maximum of 30 credits in all enrollments for this course.  
R: Open only to graduate students in Geography.  
QA: GEO 899

**986. Theory and Methods in Geography**  
Spring. 3(3-0)  
R: Open only to Ph.D. students in Geography.  
Historical development of the discipline within social and intellectual contexts. Current methodological and philosophical approaches to geographic research.  
QA: GEO 926, GEO 825

**999. Doctoral Dissertation Research**  
Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 36 credits in all enrollments for this course.  
QA: GEO 999

## GEOLOGY GLG

### Department of Geological Sciences College of Natural Science

**201. Earth Processes and History**  
Fall, Spring. 4(3-2)  
Not open to students with credit in GLG 301.  
Physical, chemical and biological processes related to the evolution of the Earth. The roles of solar energy, Earth's internal heat and the process of natural selection in controlling these processes.  
QA: GLG 201, GLG 202, GLG 306

**301. Engineering Geology**  
Fall. 4(3-2)  
R: Not open to freshmen. Open only to College of Engineering students. Not open to students with credit in GLG 201.

Principles of geology as applied to civil engineering practice. Minerals, rocks, surficial and internal processes, mitigation of destructive geological processes. Air photos, topographic-geologic maps, cross sections.  
QA: GLG 200, GLG 201, GLG 306

**302. Geology of Michigan**  
Spring. 3(3-0)  
P: GLG 201 or GLG 301 or ISP 203.  
Physical, historical, and economic geology of Michigan and its environs.  
QP: GLG 200 or GLG 201 or GLG 306

**303. Oceanography**  
Fall. 4(4-0)  
P: CEM 142 or CEM 152 or PHY 184 or PHY 232 or CEM 141, PHY 183 or CEM 141, PHY 231 or CEM 151, PHY 183 or CEM 151, PHY 231.  
Physical, chemical, biological, and geological aspects of oceanography: ocean circulation, waves, tides, air-sea interactions, chemical properties of ocean water, ocean productivity, shoreline processes, and sediments.  
QP: CEM 142 or CEM 151 or PHY 289 or PHY 239 or CEM 141, PHY 238 or CEM 151

**321. Mineralogy and Geochemistry**  
Fall. 4(3-2)  
P: CEM 142 or CEM 152.  
Geochemical properties and processes in the origin, modification, structure, dynamics and history of Earth materials. Crystallography and crystal chemistry. Mineral classification and identification.  
QP: CEM 141 or CEM 151 or LBS 161 QA: GLG 321, GLG 323, GLG 327

**331. Vertebrate Life of the Past**  
Spring. 3(3-0) Interdepartmental with Zoology.  
P: BS 110 or BS 111 or juniors and above. Not open to students with credit in GLG 493.  
Evolution and diversity of fossil vertebrates from fish to humans with emphasis on dinosaurs and Pleistocene events.  
QA: GLG 302

**351. Structural Geology**  
Fall. 4(3-2)  
P: GLG 201 or GLG 301; GLG 321, MTH 116.  
Structural geology. Mechanical behavior and kinematic history of the lithosphere. Stress and strain. Deformation features such as folds, faults and microstructure. Methods of analysis and interpretation. One weekend field trip required.  
QP: GLG 202, MTH 111 QA: GLG 351

**371. Introduction to Geodynamics and Geophysics**  
Spring. 3(4-0)  
P: MTH 116; PHY 183 or PHY 183B or PHY 231 or PHY 231B.  
Geophysical methods of studying the structure and dynamics of the earth and planets. Plate kinematics and global geodynamic processes, plate margin processes and evolution, marine geology.  
QP: GLG 201, MTH 112 QA: GLG 375, GLG 479

**411. Hydrogeology**  
Fall. 4(3-2)  
P: MTH 116 R: Not open to freshmen and sophomores.  
Principles of the source, occurrence and movement of groundwater emphasizing geologic factors and controls.  
QP: MTH 109 or MTH 111. QA: GLG 411

**412. Glacial and Quaternary Geology**  
Spring of odd-numbered years. 3(2-2)  
Interdepartmental with Geography.  
P: GLG 201 or GLG 301 or GEO 406. R: Not open to freshmen and sophomores.  
Glacial and Quaternary geology with emphasis on the midwestern United States. Laboratory focuses on glacial processes. One weekend field trip required.  
QP: GLG 201 QA: GLG 413

**421. Environmental Geochemistry**  
Spring. 3(3-0)  
P: GLG 201 or GLG 301; CEM 141 or CEM 151.  
Natural and anthropogenic processes affecting environmental chemistry with emphasis on the water cycle. Chemical equilibria, kinetics, geochemical cycling, acid rain, carbon dioxide and the greenhouse effect. Historical perspectives and future concerns.  
QP: GLG 200 or GLG 201, CEM 151 QA: GLG 412

**422. Organic Geochemistry**  
Fall. 3(3-0)  
P: CEM 141 or CEM 152 or CEM 182H; GLG 201 or GLG 301; PHY 183 or PHY 183B or PHY 231 or PHY 231B.  
Organic geochemistry applied to global cycling of organic matter and diagenesis. Evaluation of the fate of bulk organic matter and individual compounds in the environment.  
QP: CEM 152, GLG 201 or GLG 301, PHY 237 or PHY 287

**Descriptions—Geology  
of  
Courses**

- 423. Survey of Environmental Geosciences**  
Spring, 1(1-0)  
P: GLG 201 or GLG 301.  
Application of geological sciences to environmental issues ranging from global warming to geological hazards such as earthquakes.  
QP: GLG 201 or GLG 306
- 431. Stratigraphy and Paleontology**  
Spring, 4(3-2)  
P: GLG 201 or GLG 301.  
Depositional environments through geologic time: facies, events, correlation. Historical paleontology and evolution: biostratigraphy, biogeography and paleoecology.  
QP: GLG 202, GLG 338, GLG 392 QA: GLG 338, GLG 346
- 433. Vertebrate Paleontology**  
Fall of even-numbered years. 4(3-2) Interdepartmental with Zoology.  
P: ZOL 228. Not open to students with credit in GLG 331.  
Fossil vertebrates with emphasis on evolution of major groups. Modern techniques of collection, identification and interpretation of fossils.  
QP: ZOL 428 QA: GLG 430
- 434. Evolutionary Paleobiology**  
Fall of odd-numbered years. 4(3-2) Interdepartmental with Zoology.  
P: BS 110 or GLG 201.  
Patterns and processes of evolution known from the fossil record including speciation, phylogeny, extinction, heterochrony and biogeography.  
QP: GLG 338, ZOL 389, ZOL 445 QA: GLG 438, GLG 836
- 461. Petrology**  
Spring, 4(3-2)  
P: GLG 321.  
Petrology of igneous, metamorphic and sedimentary rocks. Thin section studies of rocks and rock suites from classic areas.  
QP: GLG 323, GLG 327, GLG 351 QA: GLG 363, GLG 392
- 471. Applied Geophysics**  
Fall of even-numbered years. 4(3-2)  
P: MTH 133 or concurrently; PHY 184 or PHY 184B or PHY 232 or PHY 232B or concurrently. R: Not open to freshmen and sophomores.  
Application of seismic, gravitational, magnetic resistivity and electromagnetic methods to problems in to engineering studies. Mineral and oil exploration. Groundwater, subsurface mapping, pollution and hazardous waste.  
QP: GLG 375, MTH 214, PHY 239 or PHY 289  
QA: GLG 474
- 472. Principles of Modern Geophysics**  
Fall of odd-numbered years. 3(3-0)  
P: MTH 235; PHY 184 or PHY 184B.  
Theory of solid-earth geophysics including geochronology, geothermics, geomagnetism and paleomagnetism, geodesy and gravity, rheology, and travel-time seismology.  
QP: MTH 310, PHY 289 QA: GLG 477, GLG 877
- 481. Reservoirs and Aquifers**  
Fall of odd-numbered years. 4(3-2)  
P: GLG 431; GLG 461.  
Principles of the origin and evolution of porous media. Porosity and permeability of sediments and sedimentary rocks. Computing techniques for evaluating reservoirs and aquifers.  
QP: GLG 392 QA: GLG 485
- 491. Field Geology—Summer Camp**  
Summer. 6 credits. Given only in Utah.  
P: GLG 351, GLG 431, GLG 461. R: Open only to Geological Sciences majors.  
Field analysis of rock types: igneous, metamorphic, sedimentary. Structural analysis. Preparation of stratigraphic sections, geologic maps and cross sections. Air photo analysis.  
QP: GLG 351, GLG 392, GLG 338, GLG 346 QA: GLG 344, GLG 344A, GLG 344B, GLG 344C
- 499. Independent Study in Geological Sciences**  
Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course.  
R: Open only to Geological Sciences juniors and seniors. Approval of department.  
Advanced individual study of special topics in the geological sciences.  
QA: GLG 400H
- 801. Seminar in Geochemistry**  
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 9 credits in all enrollments for this course.  
R: Open only to graduate students in Geological Sciences.  
Recent developments in geochemistry, including aqueous, biologic and mineralogic aspects.  
QA: GLG 824
- 802. Seminar in Geophysics and Geodynamics**  
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 9 credits in all enrollments for this course.  
P: GLG 371 or GLG 471 or GLG 472. R: Open only to graduate students in Geological Sciences.  
Applied, solid-earth, and theoretical geophysics, global and regional geodynamics. Plate tectonics, marine geophysics, and polar earth sciences.  
QP: GLG 474 or GLG 479 QA: GLG 811, GLG 813, GLG 815
- 803. Seminar in Hydrogeology**  
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 9 credits in all enrollments for this course.  
P: GLG 411 or GLG 421. R: Open only to graduate students in Geological Sciences.  
Occurrence, movement and composition of groundwater in geologic settings.  
QP: GLG 411 or GLG 412
- 804. Seminar in Paleobiology**  
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 9 credits in all enrollments for this course.  
R: Open only to graduate students in Geological Sciences.  
Invertebrate, vertebrate and plant paleobiology.  
QA: GLG 816
- 805. Seminar in Petrology**  
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 9 credits in all enrollments for this course.  
P: GLG 461. R: Open only to graduate students in Geological Sciences.  
Current topics in igneous petrology.  
QP: GLG 363, GLG 392 QA: GLG 823
- 806. Seminar in Sedimentology and Stratigraphy**  
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 9 credits in all enrollments for this course.  
R: Open only to graduate students in Geological Sciences.  
Seminar on recent developments in stratigraphy deposition, and diagenesis of sedimentary rocks.  
QA: GLG 817, GLG 818, GLG 819, GLG 820, GLG 821
- 807. Seminar in Structural Geology and Tectonics**  
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 9 credits in all enrollments for this course.  
R: Open only to graduate students in Geological Sciences.  
Rock deformation and major lithospheric structure.  
QA: GLG 814, GLG 822
- 821. Aqueous Geochemistry**  
Fall of odd-numbered years. 3(3-0)  
P: CE 481 or CEM 383 or CSS 455 or FW 472 or GLG 421 or GLG 422. R: Open only to graduate students.  
Controls on the chemical and isotopic nature of water (fresh, marine, brine) and its solutes. Data acquisition and synthesis. Chemical modeling and evolution of water masses.  
QP: GLG 497 QA: GLG 894
- 822. Analytical Applications for Biogeochemical Research**  
Fall of even-numbered years. 3(3-0)  
P: 12 credits in biological science, biochemistry, or chemistry; 6 credits in geological sciences.  
Carbon and nutrient cycling in the natural environment. Oxidic and anoxic processes. Flows of carbon in lacustrine, marine, terrestrial and global ecosystems. Development of the carbon cycle over geologic time.
- 823. Isotope Geochemistry**  
Spring of odd-numbered years. 3(3-0)  
P: CEM 151; CEM 152; PHY 183, PHY 184, or PHY 231, PHY 232. R: Open only to graduate students.  
Fundamentals of isotope behavior, fractionation, and interpretation and application of isotope data. Radiogenic isotopes including geochronology and environmental tracing.
- 831. Quantitative Paleobiology**  
Spring of odd-numbered years. 3(2-2)  
Interdepartmental with Zoology.  
P: GLG 431 or ZOL 345.  
Analysis of paleobiological problems using quantitative techniques such as cladistics, morphometrics, ordination, and stereology.  
QP: GLG 338 or GLG 346 or ZOL 445
- 861. Evolution of the Crust and Mantle**  
Fall of even-numbered years. 3(3-0)  
P: GLG 461. R: Open only to graduate students.  
origin and evolution of the Earth's crust and mantle. Petrology, tectonics and geophysics of the Earth.  
QP: GLG 462 QA: GLG 861
- 862. Igneous Petrology**  
Fall of odd-numbered years. 4(3-2)  
P: GLG 461. R: Open only to graduate students.  
origin and evolution of magmatic systems. Relationship of igneous activity to tectonic setting.  
QP: GLG 462 QA: GLG 862
- 863. Mineral-Water Interactions**  
Spring of even-numbered years. 4(3-2)  
Interdepartmental with Crop and Soil Sciences.  
R: Open only to graduate students in Crop and Soil Sciences or Geological Sciences or Geography.  
Mineralogy, petrology and geochemistry of fluid-rock reactions in geologic, sedimentary and geochemical cycles. Rock and mineral weathering, soil formation, genesis and burial diagenesis of sediments and sedimentary rocks, and metamorphism.  
QA: GLG 898
- 871. Seismology and Geodynamics (MTC)**  
Fall of even-numbered years, Spring of odd-numbered years. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course.  
P: MTH 234, PHY 184.  
Seismological theory, earthquakes. Quantitative modeling of the applications to Earth structure, seismic source mechanisms and geodynamics. Behavior and deformation of the lithosphere.  
QP: MTH 215, PHY 289 QA: GLG 873, GLG 877
- 881. Sedimentary Petrology**  
Fall of even-numbered years. 4(3-2)  
P: GLG 431, GLG 461.  
origin of sedimentary particles and their chemical and physical alterations after deposition. Geochemical cycles in Earth history.  
QP: GLG 346, GLG 363
- 891. Special Problems in Geochemistry**  
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course.  
R: Open only to graduate students in Geological Sciences. Approval of department.  
Individual study on problems in geochemistry, including aqueous, biologic, and mineralogic aspects.  
QA: GLG 809

**892. Special Problems in Geophysics and Geodynamics**

Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course.  
P: GLG 371 or GLG 471 or GLG 472. R: Open only to graduate students in Geological Sciences. Approval of department.  
Individual study on problems in applied and solid-earth geophysics, global and regional geodynamics, and polar earth sciences.  
QP: GLG 375 or GLG 474 or GLG 477 QA: GLG 803, GLG 808

**893. Special Problems in Hydrogeology**

Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course.  
P: GLG 411 or GLG 421. R: Open only to graduate students in Geological Sciences. Approval of department.  
Individual study on the movement, occurrence and composition of groundwater in geologic environments.  
QP: GLG 411 or GLG 412

**894. Special Problems in Paleobiology**

Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course.  
R: Open only to graduate students in Geological Sciences. Approval of department.  
Individual study on invertebrates, vertebrate and plant paleobiology.  
QA: GLG 807

**895. Special Problems in Petrology**

Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course.  
P: GLG 461. R: Open only to graduate students in Geological Sciences. Approval of department.  
Individual study on current problems in petrology.  
QP: GLG 462 QA: GLG 802

**896. Special Problems in Sedimentology and Stratigraphy**

Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course.  
R: Open only to graduate students in Geological Sciences. Approval of department.  
Individualized study of problems in sedimentology and stratigraphy.  
QA: GLG 804, GLG 805, GLG 806

**897. Special Problems in Structural Geology and Tectonics**

Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course.  
P: GLG 351. R: Open only to graduate students in Geological Sciences. Approval of department.  
Individual study on rock deformation or major expressions of deformation. Two-seven weeks of field study during term breaks may be required.  
QP: GLG 351 QA: GLG 801

**899. Master's Thesis Research**

Fall, Spring, Summer. 1 to 10 credits. A student may earn a maximum of 24 credits in all enrollments for this course.  
R: Open only to M.S. students in Geological Sciences.  
QA: GLG 899

**999. Doctoral Dissertation Research**

Fall, Spring, Summer. 1 to 48 credits. A student may earn a maximum of 99 credits in all enrollments for this course.  
R: Open only to Ph.D. students in Geological Sciences.  
QA: GLG 999

**GERMAN**

**Department of Linguistics and Germanic, Slavic, Asian and African Languages  
College of Arts and Letters**

**101. Elementary German I**

Fall, Spring, Summer. 4(4-1)  
German language, civilization, and culture for beginning students. Work on all language skills with emphasis on speaking.  
QA: GRM 101, GRM 102

**102. Elementary German II**

Fall, Spring, Summer. 4(4-1)  
P: GRM 101 or designated score on German placement test. R: Not open to students with credit in GRM 200.  
Further study of German language, civilization, and culture for beginning students. Continued work on all language skills with emphasis on speaking.  
QP: GRM 101 QA: GRM 102, GRM 103

**200. Second-Year German I with Review**

Fall. 4(4-1)  
P: Designated score on German placement test or approval of department. R: Not open to students with credit in GRM 102 or GRM 201.  
Rapid review and strengthening of vocabulary, grammar, and communication skills for incoming freshmen and transfer students. Reading, viewing, and discussion of a broad range of cultural texts and materials from the German-speaking world.  
QA: GRM 200

**201. Second-Year German I**

Fall, Spring. 4(4-0)  
P: GRM 102 or designated score on German placement test. R: Not open to students with credit in GRM 200.  
Intermediate-level development of all language skills. Reading, viewing, and discussion of a broad range of cultural materials from the German-speaking world.  
QP: GRM 103 QA: GRM 201, GRM 202

**202. Second-Year German II**

Fall, Spring. 4(4-0)  
P: GRM 200 or GRM 201 or designated score on German placement test.  
Further intermediate-level work on all language skills, based on topics such as popular music, literature, film, current events, and culture. Transition course to advanced work in German studies.  
QP: GRM 201 . QA: GRM 202, GRM 203

**290. Independent Study**

Fall, Spring. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course.  
R: Approval of department.  
Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.  
QA: GRM 299

**301. Advanced German Language and Culture I**

Fall, Spring. 3(3-0)  
P: GRM 202 or designated score on German placement test.  
Work on advanced speaking, listening comprehension, reading, and writing skills through intensive work with authentic texts dealing with contemporary issues relating to the German-speaking world. Selected review of grammar and syntax.  
QP: GRM 203 QA: GRM 321, GRM 322

**302. Advanced German Language and Culture II**

Fall, Spring. 3(3-0)  
P: GRM 301 or designated score on German placement test. R: Not open to students with credit in GRM 312.  
Further work on advanced speaking, listening comprehension, reading and writing skills, through intensive work with original texts dealing with contemporary issues relating to the German-speaking world. oral reports and longer writing and listening comprehension exercises.  
QP: GRM 321 QA: GRM 322, GRM 323

**GRM**

**311. Advanced German: Business Emphasis I**

Fall. 3(3-0)  
P: GRM 202 or designated score on German placement test. R: Not open to freshmen. Not open to students with credit in GRM 301 or GRM 302.  
Development of proficiency through readings, discussions, and assignments based on materials dealing with the German economic system and Germany in world trade. Taught in German.  
QP: GRM 203 QA: GRM 331, GRM 332

**312. Advanced German: Business Emphasis II**

Spring. 3(3-0)  
P: GRM 311 or designated score on German placement test. R: Not open to freshmen. Not open to students with credit in GRM 302.  
Further readings, discussions, and assignments based on materials dealing with key areas of German business such as management and corporate hierarchies. Taught in German. Research paper required.  
QP: GRM 332 QA: GRM 332, GRM 333

**320. Appreciation of German Literature**

Spring. 3(3-0)  
P: GRM 202 or designated score on German placement test.  
Close reading of shorter literary texts in German. Discussion of literary values and the relationship of literature to the individual and society. Methods of better understanding texts and interpreting their meaning.  
Temporary approval effective from Spring Semester 1993 through Spring Semester 1995.  
QP: GRM 203 QA: GRM 351, GRM 352, GRM 353

**340. German Life and Literature: Contemporary Period**

Fall, Spring. 3(3-0)  
P: GRM 202 or designated score on German placement test.  
Post-World War II Germany through analysis of selected literary texts, documentary material, and film. Topics such as problems of recovery and prosperity, partition and reunification, and Germany in Europe.  
QP: GRM 203 QA: GRM 353, GRM 337

**341. German Life and Literature: Historical Perspectives**

Fall, Spring. 3(3-0)  
P: GRM 202 or designated score on German placement test.  
Historical, social, and cultural developments in the German-speaking world as revealed in textual material in German, including literature, essays, and film. Focus on at least three historical epochs prior to 1945.  
QP: GRM 203 QA: GRM 336, GRM 351, GRM 352

**400. Reading German for Graduate Students**

Spring of even-numbered years. 5(5-0)  
R: Open only to graduate students, or approval of department.  
German grammar and syntax, with emphasis on reading and translation in specialized fields.  
QA: GRM 410, GRM 411

**420. Language through Media in Contemporary Germany**

Fall. 4(4-0)  
P: GRM 302 or GRM 312.  
Written and oral analysis of relevant issues in contemporary Germany as depicted in German media. Major writing project.  
QP: GRM 320 or GRM 333 QA: GRM 421, GRM 429

**440. German Life and Literature: Cultural Differences**

Fall. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course.  
P: GRM 340 or GRM 341; HST 205 or HST 206.  
Values and beliefs of marginalized groups in German society including religious minorities and foreign workers, and of youth and women. German immigrants in the United States as seen through their writings. Influence of historical and cultural development  
QP: GRM 353 or GRM 337