

848. Legal Environment of Business
Fall, Spring, 3(3-0)

R: Open only to students in the Professional Accounting, Master of Business Administration programs, and to students in programs for which GBL 848 is a catalog-listed requirement.

The legal, political, and social environment of business and the structural framework in which law functions.

859. Business Legal Environment
Spring, 2(2-0)

R: Open only to Master's students in the Advanced Management Program.

Critical analysis of government regulation of business from legal, political, and social perspectives. An examination of moral concepts and social policy underlying government regulation.

880. Corporate and Professional Social Responsibility
Fall, 3(3-0)

R: Open only to graduate students in Business and students in programs for which GBL 880 is a catalog-listed requirement.

Impact of corporations and professions in societies and across societies. Control of business organizations. Social and moral responsibilities of organizations. The individual's role in a business organization.

890. Independent Study

Fall, Spring, Summer, 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course.

P: GBL 848. R: Open only to graduate students in Business. Approval of department. Faculty-supervised independent study.

GENETICS

GEN

College of Natural Science

800. Genetics Seminar

Fall, Spring, Summer, 1(1-0) A student may earn a maximum of 12 credits in all enrollments for this course.

Critical analysis of current literature. Student presentations.

841. Chromosome Structure and Genetics

Spring of even-numbered years, 3(3-0) Interdepartmental with Zoology. Administered by Zoology. R: Approval of department.

Classical and molecular genetics of chromosome structure and behavior in mitosis and meiosis. Synapsis and disjunction, exchange, centromeres, euchromatin, heterochromatin and transposable elements.

851. Molecular Entomology

Fall of odd-numbered years, 3(3-0) Interdepartmental with Entomology. Administered by Entomology.

Analysis of molecular processes unique to insects, and their potentials for genetic engineering.

880. Laboratory Rotation

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 Ph.D. majors in Genetics. Participation in research with faculty members.

890. Selected Topics in Genetics

Fall, Spring, Summer, 2 to 5 credits. A student may earn a maximum of 9 credits in all enrollments for this course. P: ZOL 341.

Topic selected from molecular genetics, physiological genetics, population genetics, quantitative genetics, microbial genetics, somatic cell genetics, behavioral genetics, human genetics, evolution, or radiology and mutagenesis.

999. Doctoral Dissertation Research

Fall, Spring, Summer, 1 to 12 credits. A student may earn a maximum of 99 credits in all enrollments for this course.

R: Open only to Ph.D. students in Genetics.

GEOGRAPHY

GEO

**Department of Geography
College of Social Science**

113. Introduction to Economic Geography
Fall, Spring, 3(3-0)

Spatial distribution of resources, population, enterprise, trade, consumption, and production. Interaction of those distributions at local to global scales.

151. Cultural Geography

Fall, Spring of even-numbered years, 3(3-0) Systematic approach to the spatial distribution of cultural features, processes, and relationships.

203. Introduction to Meteorology

Fall, 3(3-0) Fundamentals of meteorology. Energy balance, adiabatic processes, horizontal motion, cyclogenesis, and severe weather.

206. Physical Geography

Fall, Spring, 3(3-0) Geographic and functional interrelationships within the physical environment: Earth-sun relationships, weather, climate, soils, vegetation and landforms (terrain characteristics).

206L. Physical Geography Laboratory

Fall, Spring, 1(0-2) P: GEO 206 or concurrently. Geographic aspects of weather, climate, soil, vegetation, and terrain. Interpretation and application of maps and remotely sensed imagery.

221. Introduction to Geographic Information

Fall, Spring, 3(2-2) Principles and methods of spatial data collection, handling, analysis, and display. Introduction to remote sensing, geographic information systems, and cartography. SA: GEO 225

230. Geography of the United States and Canada

Fall, Spring, Summer, 3(3-0) Regional analysis. Evolution and status of environmental, demographic, economic, and sociocultural patterns and processes.

233. Geography of Michigan

Fall of odd-numbered years, 3(3-0) Physical and cultural geography of Michigan.

259. Geography of Recreation and Tourism

Fall of even-numbered years, 3(3-0) Cultural, physical, and biotic factors affecting the distribution of recreation and tourism resources and participation. U.S. and international examples and case studies.

306. Environmental Geomorphology

Fall of even-numbered years, Spring, 3(3-0) Relationships of running water, weathering, gravity, ice, waves, wind, and biota (including humans) to terrain and soils. Evolution of landscapes. Classical and modern interpretations.

313. Introduction to Data Analysis for Urban and Regional Planners

Fall, 3(2-2) Interdepartmental with Urban Planning. Administered by Urban Planning. P: CPS 100 or CPS 130 or CPS 131; UP 201. Data gathering analysis, information presentation, and basic techniques of urban planning. Application of related computer programs and software.

314. Methods for Investigation of Urban Systems

Spring, 3(2-2) Interdepartmental with Urban Planning. Administered by Urban Planning. P: UP 313. Models, approaches, and techniques for urban and regional problem analysis and plan formulation.

324. Remote Sensing of the Environment
Fall, Spring, 4(2-4)

Features and interpretation methods of remotely-sensed imagery, especially black-and-white and color infrared airphotos. Basic features of radar, thermal, and multispectral imagery. Interpretation for agriculture, archaeology, fisheries, forestry, geography, landscape architecture, planning, and wildlife management.

326. Thematic Cartography
Fall, 4(2-4)

P: GEO 221. Principles and techniques of map making. Decision making in designing thematic maps.

335. Geography of Latin America
Fall, 3(3-0)

R: Not open to freshmen. Completion of Tier I writing requirement. Physical and human geography of Latin America. Current development issues, especially people-environment interaction in urban and rural areas. Topics include migration, urbanization, and industrialization.

336. Geography of Europe
Fall of odd-numbered years, 3(3-0)

R: Not open to freshmen. Completion of Tier I writing requirement. Major regions and nations, including their physical resources, peoples, political structures, and economies.

337. Geography of East Asia
Spring, 3(3-0)

R: Not open to freshmen. Completion of Tier I writing requirement. Spatial patterns and processes of physical and human geography in China, Japan, Korea, and Taiwan. Emphasis on development problems, especially since 1950.

338. Geography of Africa
Fall, 3(3-0)

R: Not open to freshmen. Completion of Tier I writing requirement. Physical and human geography of Africa. Current development issues, especially people-environment interaction in urban and rural areas. Topics include drought, agricultural patterns, hunger, rural development, migration, and urbanization.

401. Geography of Plants of North America
Spring of even-numbered years, 3(3-0)

R: Not open to freshmen and sophomores. Geography of Plants in North America with emphasis on the East. Related ecological principles, soils, and post-cretaceous geologic history. Some field instruction.