

GEOGRAPHY (GEOG)

Courses

GEOG 1010. Topics In: First-Year Seminar. 3 Credits.

Intensive first-year seminar focused on specific themes and/or disciplinary perspectives. Emphasis on developing critical reading and writing skills, substantive revision, information literacy, and analytical thinking. First-year seminars are frequently organized to meet one of the disciplinary Catamount Core requirements. Topics vary by offering; periodic offering at intervals that may exceed four years. Catamount Core: S1, WIL1.

GEOG 1014. Topics In: FYS: Sustainability. 3 Credits.

Intensive first-year seminar focused on specific themes and/or disciplinary perspectives. Emphasis on developing critical reading and writing skills, substantive revision, information literacy, and analytical thinking. First-year seminars are frequently organized to meet one of the disciplinary Catamount Core requirements. Topics vary by offering; periodic offering at intervals that may exceed four years. Catamount Core: SU, WIL1.

GEOG 1020. Topics In: LASP Writing. 3 Credits.

Intensive course in a broad disciplinary area (humanities, social sciences, arts, or natural sciences). Part of an integrated first-year experience in which students take 2-4 classes exploring aesthetic, humanistic, social, linguistic, environmental, or scientific issues. May repeat for credit with different content. Topics vary by offering; periodic offering at intervals that may exceed four years. Co-requisite: Enrollment in the appropriate Liberal Arts Scholars Program. Catamount Core: S1, SU, WIL1.

GEOG 1025. Topics In: LASP Seminar. 3 Credits.

Intensive course in a broad disciplinary area (humanities, social sciences, arts, or natural sciences). Part of an integrated first-year experience in which students take 2-4 classes exploring aesthetic, humanistic, social, linguistic, environmental, or scientific issues. May repeat for credit with different content. Topics vary by offering; periodic offering at intervals that may exceed four years. Co-requisite: Enrollment in the appropriate Liberal Arts Scholars Program.

GEOG 1200. Weather, Climate & Landscapes. 3 Credits.

Introduction to the fundamentals of weather, climate, landform evolution, and plant distribution using a systems approach. Focus on variation in processes over space and time. Catamount Core: N1.

GEOG 1700. Topics in Human Geography. 3 Credits.

Exploration of topics and issues in Human Geography, with an emphasis on Geography as a social science. May be repeated for credit with different content. Topics vary by offering; periodic offering at intervals that may exceed four years. Catamount Core: S1.

GEOG 1760. Global Environments & Cultures. 3 Credits.

Introduction to Geography from global, place-based, cultural, and socio-environmental perspectives. Catamount Core: D2, S1, SU.

GEOG 1770. Geography/Race&Ethnicity in US. 3 Credits.

Examination of the ways in which spatial and locational processes shape and are shaped by ethnic and racial identities, struggles, and relationships. Cross-listed with: CRES 1861. Catamount Core: D1, S1.

GEOG 1780. Society, Place, and Power. 3 Credits.

An introduction to human geography: a spatial perspective on the study of population and migration, globalization, uneven economic development, geopolitics, cities and rural spaces, cultural meanings of place, and struggles for spatial justice. Catamount Core: S1, SU.

GEOG 1990. Special Topics. 1-18 Credits.

See Schedule of Courses for specific titles.

GEOG 2230. Climatology: Concepts & Tools. 3 Credits.

Quantitative analysis of the atmospheric-land-water processes that determine climate variability and change at the local to global scales. Historical and near real-time data manipulation via statistics, weather map interpretation, climate indices, modeling and remote sensing. Prerequisite: GEOG 1200.

GEOG 2250. Global Environmental Change. 3 Credits.

Explores changes in natural processes and anthropogenic activities that influence the atmosphere, hydrosphere, and biosphere individually and through interactions and feedbacks from a distinctly spatial perspective employed by physical geographers. Prerequisite: GEOG 1200 or ENSC 1010. Cross-listed with: ENSC 2480.

GEOG 2510. Geog Info:Cncpts & Applic. 0 or 3 Credits.

Systematic approach to important geographical concepts (including distance, shape, scale dispersion) structured around the use of Geographical Information Systems (GIS) as an analytical tool. Credit not awarded for both GEOG 2510 and ANTH 2825 or NR 2430. Prerequisite: A Catamount Core WIL1 course. Catamount Core: QD.

GEOG 2520. Remote Sensing. 0 or 3 Credits.

Examinations of the earth's surface from aerial photographs and satellite imagery. Emphasis is on image interpretation, classification, change detection, multivariate analysis (e.g. principal components analysis). Prerequisite: Sophomore standing. Cross-listed with: NR 2460.

GEOG 2550. Qualitative Research Methods. 3 Credits.

Covers data collection, analysis, and representation techniques for qualitative data with emphasis on critical perspectives and cutting-edge practices, such as participatory mapping and mixed-methods approaches. Prerequisite: Minimum Sophomore standing. Catamount Core: WIL2.

GEOG 2707. Restoration Cultures. 4 Credits.

Social and cultural perspectives on human-environment interactions in the field of restoration ecology. Field-based course that engages students in place-based restoration work with community partners in natural areas. Draws on human geography, environmental history, natural history, environmental humanities, and restoration ecology. Prerequisite: NR 2300 or Instructor permission. Cross-listed with: ENVS 2982. Catamount Core: S1.

GEOG 2715. The Circumpolar Arctic. 3 Credits.

Examines the physical and human geography of the circumpolar Arctic. Prerequisite: GEOG 1200 or GEOG 1760.

GEOG 2730. Topics in Int'l Field Studies. 3 Credits.

Field course abroad. Intensive study of the geography of a country or region, with attention to related issues. May be repeated for credit with different content. Topics vary by offering; periodic offering at intervals that may exceed four years. Prerequisites: Minimum Sophomore standing; Instructor permission.

GEOG 2760. Rural Geography. 3 Credits.

Global, national and local scale study of rural landscapes, cultures, social issues, and environmental concerns. Prerequisite: GEOG 1760 or GEOG 1780. Cross-listed with: ENVS 2433. Catamount Core: S1.

GEOG 2774. Gender, Space & Environment. 3 Credits.

Examination of the ways in which human relationships to both the built and the natural environment are mediated by gender. Prerequisites: Six hours in Geography, Environmental Studies, or Gender, Sexuality, & Women's Studies. Cross-listed with: ENVS 2240, GSWS 2735.

GEOG 2780. Political Ecology. 3 Credits.

Human-environment interactions under globalization. The politics of using particular ideas of 'nature' for the benefit of some and to the detriment of others in spaces from local backyards to global contexts. Environmental movements and livelihoods. Prerequisites: GEOG 1760, GEOG 1780, or ENVS 1510; and ENSC 1010, ENVS 1500, GEOG 1200, GEOL 1025, GEOL 1040, GEOL 1055, GEOL 1400, or NR 2030. Cross-listed with: ENVS 2430. Catamount Core: S1.

GEOG 2782. Health Geography. 3 Credits.

Exploration of the relationship between geography and health, focusing on how place and space influence health outcomes and disparities. Topics include the history of health/medical geography, neighborhood environments, and the social determinants of health. Emphasis on interdisciplinary approaches and debates in health geography, epidemiology, and the social sciences. Offers skills in interpreting epidemiological research and communicating scientific findings. Prerequisites: GEOG 1760, GEOG 1780, or ENVS 1500; minimum Sophomore standing. Catamount Core: QD, S1.

GEOG 2790. Urban Geography. 3 Credits.

Examination of how cities are socially, economically, and politically created as places of innovation, cultural mixing, iconic built environments, and deep contradiction. Focus on critical theory approaches rooted in social justice perspectives. Prerequisite: GEOG 1760 or GEOG 1780. Catamount Core: S1.

GEOG 2990. Special Topics. 1-18 Credits.

See Schedule of Courses for specific titles.

GEOG 3230. Topics in Climate & Water. 3 Credits.

Analysis of regional climatology, paleoclimatology, hydroclimatological hazards, or fluvial geomorphology. Topics include droughts, severe weather, climate change, floods and floodplain management, mountain and lowland rivers. Topics vary by offering; periodic offering at intervals that may exceed four years. Prerequisites: Vary with course content; minimum Junior standing.

GEOG 3250. Topics In Global Change. 3 Credits.

Advanced offerings on topics related to past, present and future changes in the environment, including natural and human-induced changes in the atmosphere, hydrosphere and biosphere. Topics vary by offering; periodic offering at intervals that may exceed four years. Prerequisite: Vary with course content; Minimum Junior standing.

GEOG 3505. Spatial Analysis. 3 Credits.

Analysis of spatial pattern and interaction through quantitative statistical models; application of GIS to statistical modeling. Prerequisites: GEOG 1500, GEOG 2510, NR 2430, ENSC 2300, or GEOL 2525.

GEOG 3520. Topics in Remote Sensing. 3 Credits.

Applied, capstone course; remote sensing techniques will be applied to atmospheric issues at varying temporal and spatial scales, as well as to quantifying the influence of topography, vegetation, and land-water boundaries. May be repeated for credit with different content. Topics vary by offering; periodic offering at intervals that may exceed four years. Prerequisites: GEOG 1200; GEOG 2230, GEOG 2520, or NR 2460 recommended.

GEOG 3760. Topics in Human Env Interact. 3 Credits.

Advanced offerings on various manifestations of social-environmental relationships. Possible topics include sustainable development, environmental justice, and urban ecology. Topics vary by offering; periodic offering at intervals that may exceed four years. Prerequisites: Vary with course content; Minimum Junior standing.

GEOG 3770. Topics in Space, Power, Identity. 3 Credits.

Advanced offerings on topics related to the spatial regulation and geographic construction of social identity, paying particular attention to race, gender, and sexuality. Topics vary by offering; periodic offering at intervals that may exceed four years. Prerequisites: Vary with course content; minimum Junior standing.

GEOG 3780. Topics in Pol Econ & Ecology. 3 Credits.

Advanced offerings in political ecology and political economy, particularly at global and regional scales. Possible topics include Third World economic restructuring, globalization, international environmental movements. May repeat for credit with different content. Topics vary by offering; periodic offering at intervals that may exceed four years. Prerequisites: Vary with course content; minimum Junior standing.

GEOG 3782. Topics in Geography and Health. 3 Credits.

Advanced offerings on topics related to the geographies of health and well-being, with attention to the intersection of health with social, economic, and spatial processes. Representative topics: Healthy Cities. May be repeated for credit with different content. Topics vary by offering; periodic offering at intervals that may exceed four years. Prerequisites: Vary with course content; minimum Junior standing; GEOG 2782 recommended.

GEOG 3790. Topics in Crit Urban&Soc Geog. 3 Credits.

Advanced offerings in urban and critical social geography. Possible topics include social justice and the city, human rights, geographies of social control. Topics vary by offering; periodic offering at intervals that may exceed four years. Prerequisites: Vary with course content; minimum Junior standing.

GEOG 3990. Special Topics. 1-18 Credits.

See Schedule of Courses for specific titles.

GEOG 3991. Internship. 1-18 Credits.

On-site supervised work experience combined with a structured academic learning plan directed by a faculty member or a faculty-staff team in which a faculty member is the instructor of record, for which academic credit is awarded. Offered at department discretion.

GEOG 3993. Independent Study. 1-18 Credits.

A course which is tailored to fit the interests of a specific student, which occurs outside the traditional classroom/laboratory setting under the supervision of a faculty member, for which credit is awarded. Offered at department discretion.

GEOG 3995. Undergraduate Research. 1-18 Credits.

Undergraduate student work on individual or small team research projects under the supervision of a faculty member, for which credit is awarded. Offered at department discretion.

GEOG 4990. Special Topics. 1-18 Credits.

See Schedule of Courses for specific titles.

GEOG 4994. Teaching Assistantship. 1-3 Credits.

Undergraduate student service as a teaching assistant, usually in an introductory-level course in the discipline, for which credit is awarded. Offered at department discretion.

GEOG 4996. Honors. 1-6 Credits.

College honors thesis or other department/program honors, under the supervision of a faculty member. Offered at department discretion.