SUSTAINABILITY MINOR REQUIREMENTS

For students matriculating Fall 2015 and later**

http://www.du.edu/nsm/departments/geography/degreeprograms/undergraduateprograms/minors/minorinsustainability.html

Sustainability is a concept that is becoming increasingly used as human societies recognize the finite nature of many natural resources and the lingering ill effects of overconsumption, pollution, and poorly planned land uses. Sustainability is defined as meeting the needs of the current generation without compromising the ability of future generations to meet their own needs, and to do so while maintaining ecological processes, functions, biodiversity, and productivity into the future. An understanding of sustainability includes the scientific basis for sustainable resource use as well as the social and economic implications and/or costs of sustainable practices. Given the state of the global economy, the heavy reliance of both developed and developing nations on increasingly limited supplies of non-renewable energy sources, and the resultant social unrest that is building throughout many parts of the world, understanding the challenges facing society today requires an interdisciplinary perspective of the problems we face in moving toward a sustainable future.

Minor Requirements: 24 credits hours (includes 4 credit Gateway course, 16 credits of electives, 4 credit Capstone course) as detailed below. Courses may not double-count for minor and major or university requirements.

Gateway Course (4 qtr hrs):
GEOG 2500: Sustainability and Human Society This course serves as the first course in the minor, addressing the three pillars of sustainability: environmental, economic, and social equity. Class is offered every quarter. Must declare minor to enroll.

Breadth Electives ** (16 qtr hrs):
Elective classes approach sustainability from multiple lenses. Students must complete a minimum of 4 quarter hours in each of the three focus areas ("lenses") of sustainability from the list of approved courses on page 2: Arts & Humanities (4 qtr hrs), Physical & Natural Sciences (4 qtr hrs), Social Sciences (4 qtr hours). An additional 4 quarter hours may be selected from any of the approved elective courses. Additional courses including: topics courses, study abroad courses, independent studies, and internships may be approved for elective credit on a case by case basis by the Sustainability Minor Advisor.

Capstone Seminar (4 qtr hrs):
GEOG 2550: Current Issues in Sustainability The capstone seminar focuses on a particular problem related to sustainability. Seminar topics vary by instructor. Pre-requisite: GEOG 2500. Class is usually offered every quarter.

** Breadth “Lenses” Elective requirements started in 2015; Minors enrolled prior to this date should refer to “Pillars” Electives

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SUSTAINABILITY MINOR BREADTH ELECTIVES

Social Sciences/Korbel Electives

ANTH 2420: Science, Technology & Human Values
ANTH 3040: Anthropologies of Place
ANTH 3310: Indigenous Environment
ANTH 3500: Culture and the City
ANTH 3880: Culture, Ecology, Adaptation
ECON 3590: Urban Economics
ECON 3970: Environmental Economics
ENVI 3000: Environmental Law
GEOG 2401: The Human Population
GEOG2410: Economic Geography
GEOG2420: Geography of Tourism
GEOG 2430: World Cities
GEOG 2810: Geography of Latin America
GEOG 3310: Culture, Nature, Economy
GEOG 3340: Geographies of Migration
GEOG 3400: Urban Landscapes
GEOG 3420: Urban & Regional Planning
GEOG 3425: Urban Sustainability
GEOG 3430: Land Use: Planning, Policy, Urban Growth
GEOG 3440: Urban Transportation Planning
GEOG 3460: Transportation & Mobilities
GEOG 3445: Sustainability & Transportation
GEOG 3730: International Environmental Policy
GEOG 3740: Environmental Justice and the City
GEOG 3825: Geographies of Int’l Development in Africa
GEOG 3890: Ecological Economics
INTS 2270: Sustainable Energy
INTS 2380: Comparative Development Strategies
INTS 3630: Global Environment
PLSC 2840: International Law & Human Rights

Arts & Humanities Electives

ARTH 3813: Arts of the America West
ARTH 3850: Art & the History of Science
ARTH 3867: Native American Art
COMM 2100: Performance & Social Change
COMM 3701: Communication & Climate Change
EPDX 3200: Data Visualization
EDPS 3500: Sustainable Design
EPDX 3700: Topics in Emergent Digital Cultures – Biomed
EPDX 3725: Activist Media
ENGL 2708: Native American & Aboriginal Land in Literature
ENGL 2708: Images of the Apocalypse in Literature & Film
ENGL 2715: Native American Literature
HIST 2551: The American West Since 1860
HIST 2710: From Sea to Shining Sea
HIST 2720: Paved Paradise
MFJS 3900: Green Screen – Environmental Filmmaking
PHIL 2108: Ethics
PHIL 2780: Environmental Ethics

Physical & Natural Science Electives

BIOL 2010: General Ecology
BIOL 2050: Conservation Biology (BIOL1012)
BIOL 3020: Aquatic Ecology (BIOL2010 or POI)
BIOL 3030: Alpine Ecology (BIOL1010/1011/1012)
BIOL 3035: Invasive Species (BIOL2010 or POI)
BIOL 3040: Coral Reef Ecology (POI)
BIOL 3055: Ecology of the Rockies (BIOL2010 or POI)
BIOL 3060: Tropical Ecology (BIOL2010)
BIOL 3085: Insect Ecology
BIOL 3095: Global Change Ecology (POI)
BIOL 3700: Topics in Ecology
CHEM 2240: Introduction to Environmental Chemistry (p)
CHEM3410: Atmospheric Chemistry (prerequisites)
CHEM 3412: Environmental Chemistry & Toxicology (CHEM2011/2041)
EALC 2001: Local & Regional Environmental Issues (LLC; restricted)
EALC 2002: Impact of Development on the Environment (LLC; restricted)
EALC 2003: Biodiversity: Regional & Global Issues (LLC; restricted)
ENVI 2801: Water Quality in the West
GEOG 2700: Contemporary Environmental Issues
GEOG 2608: Human Dimensions of Global Change
GEOG 3610: Climatology
GEOG 3630: Dendroclimatology
GEOG 3640: Climate Change & Society
GEOG 3700: Environment & Development
GEOG 3720: Mountain Environments & Sustainability (GEOG1203)
GEOG 3800: Geography of Colorado
GEOG 3830: Natural Resource Analysis & Planning
GEOG 3870: Water Resources & Sustainability
GEOG 2320/INTS 2701: Andean Landscapes
(Interterm-travel)
GEOG3880: Cleantech & Sustainability
GEOL 3100: Environmental Geology
PHYS 2610: Physics of Climate (prerequisites)

Additional Electives

HRTM 3700: Sustainability & Entrepreneurship
LDRS 2400: Leadership & Sustainability in Belize (Interterm-travel)
MGMT 3100: Ethics & Social Responsibility
SJUS 2010: Social Justice (LLC; restricted)

() prerequisites or notes
** Breadth “Lenses” Elective requirements start in 2015-16; prior minors should refer to “Pillars” Electives; new courses are added annually, but may be approved on a case-by-case basis.