

# 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):**

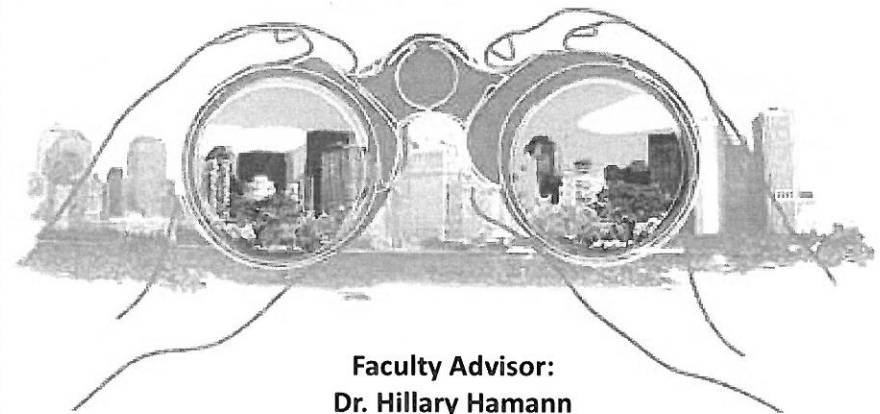
**GEOG 2500: Sustainability and Human Society** This course serves as the first course in the minor, addressing the three pillars of sustainability: environmental, economic, and social equity. Class is offered every quarter. Must declare minor to enroll.

#### **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 hrs). 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.



**Faculty Advisor:**

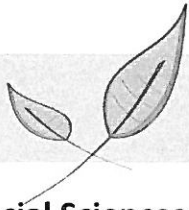
**Dr. Hillary Hamann**

**hhamann@du.edu**

**Department of Geography & the Environment**

**Boettcher West 241**

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



## 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

( ) 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.

### Arts & Humanities Electives

ARTH 3813: Arts of the America West  
ARTH 3850: Art & the History of Science  
ARTH 3867: Native American Art  
COMN 2100: Performance & Social Change  
COMN 3701: Communication & Climate Change  
EPDX 3200: Data Visualization  
EDPS 3500: Sustainable Design  
EPDX 3700: Topics in Emergent Digital Cultures – Biomedica  
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

### Additional Electives

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

### 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 3044: 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)



UNIVERSITY of  
DENVER