DEPARTMENT OF GEOGRAPHY

Add new course:

GEOG 204 – Understanding Climate Change
3 Credit Hours
Overview of natural and human-caused mechanisms that have contributed to changes in Earth's climate, with an emphasis on climate change in the 20th and 21st centuries. Discussions focus on causes, mitigation, public attitudes, and government policy.

Add secondary cross listed course:

GEOG 206 – Sustainability: Reducing our Impact on Planet Earth
3 Credit Hours
(See Geology 206.)
Geology is primary.

Drop courses:

GEOG 492 – Off-Campus Study
1-15 Credit Hours.
GEOG 592 – Off-Campus Study
1-15 Credit Hours

Revise course description and delete contact hour distribution:

GEOG 111 – Our Digital Earth
3 Credit Hours
Explores the impact of geographic information technologies on our lives and on society. What geospatial technologies like GPS and geo-located data enable people, businesses and governments to do, and how our lives are influenced for better or for worse in terms of privacy, personal freedoms, convenience, economics, politics, and security.
Satisfies General Education Requirement: (SS)
Grading Restriction: Letter grade only.
Formerly:
GEOG 111 - Our Digital Earth
3 Credit Hours
Use geospatial technologies such as mapping and GPS to gain understanding and teach others about the neighborhoods we live in, global society, and the environment. Explore how these technologies empower or disenfranchise people and what the future holds.
Satisfies General Education Requirement: (SS)
Contact Hour Distribution: 2 hours lecture and 2 hours lab.
Grading Restriction: Letter grade only.

Revise description, delete prereq, add recommended background:

GEOG 331 – Natural Hazards
3 Credit Hours
Overview of Earth’s natural hazards. Topics include: hurricanes, earthquakes, tornadoes, severe weather, mass movements, volcanoes, tsunami, and wildfires. Hazard awareness is emphasized by highlighting case studies and important past events.
Recommended Background: Introductory physical geography.
Formerly:
GEOG 331 – Natural Hazards
3 Credit Hours
Overview of Earth’s natural hazards. Topics include: hurricanes, earthquakes, tornadoes, mass movements, volcanoes, tsunami, wildfires, and floods. Hazard awareness is emphasized by highlighting case studies and important past events.
(DE) Prerequisite(s): 132.
Revise to delete prerequisite and add recommended background:

GEOG 334 – Meteorology
4 Credit Hours
Recommended Background: Introductory physical geography or coursework in climatology, meteorology, or atmospheric science.

Formerly:
GEOG 334 – Meteorology
4 Credit Hours
(RE) Prerequisite(s): 131.

Revise to delete prerequisite and add recommended background:

GEOG 432 - Environmental History from Tree Rings
4 Credit Hours
Recommended Background: Introductory physical geography.

Formerly:
GEOG 432 - Environmental History from Tree Rings
4 Credit Hours
(DE) Prerequisite(s): 132.

Revise description, delete prerequisite, add recommended background:

GEOG 433 – Landform Analysis and Landscape Planning
3 Credit Hours
Overview of Earth surface processes related to landscape planning. Topics include slope stability, water cycle, watershed and stream systems, sediment transport, soil erosion, and land use change. People as evaluators and agents of change is emphasized by case studies, discussion, and assignments.
Recommended Background: Introductory physical geography.

Formerly:
GEOG 433 – Landform Analysis and Landscape Planning
3 Credit Hours
Characteristics of surface form, water, vegetation, and surface materials, and their regional interrelationships. People as evaluators and agents of change.
(DE) Prerequisite(s): 132.

Revise to delete prerequisite and add recommended background:

GEOG 434 – Climatology
3 Credit Hours
Recommended Background: Introductory physical geography or coursework in climatology, meteorology, or atmospheric science.

Formerly:
GEOG 434 – Climatology
3 Credit Hours
(RE) Prerequisite(s): 131.

Add new major housed in Geography:

Sustainability Major, BA

The sustainability major provides scientific, socioeconomic, and philosophical background for understanding and mitigating human impact on the natural environment.

College Requirements
Arts & Sciences

Prerequisites (16-17 hours)

Complete:

ECON 201 - Introductory Economics: A Survey Course
GEOG 206 - Sustainability: Reducing our Impact on Planet Earth
SOCI 250 – Introduction to Global Studies

Select one course:

BIOL 260 - Ecology
BIOL 269 - Ecology Field-Based Laboratory
FWF 250 - Conservation

Select one course:

GEOL 103 - The Earth's Environments
GEOG 131 - Weather, Climate, and Climate Change

Major Requirements

The major consists of 33-34 hours.

I. Sustainability Core

Select one course:

FWF 320 - Human Dimensions of Natural Resources
GEOG 345 - People and Environment
SOCI 360 - Environment and Resources

Select one course:

BSET 326 - GIS/GPS Applications in Agriculture and Environmental Science
GEOG 311 - Geovisualization and Geographic Information Science
GEOG 411 - Intermediate Geographic Information Science

II. Economics and Sustainability

Select one course:

AREC 445 - Renewable Energy Economics
AREC 470 - Policy Analysis for Environmental and Natural Resource Management
ECON 362 - Environmental and Natural Resource Policy

III. Resource Management

A. Management Policies

Complete:

FORS 422 - Forest and Wildland Resource Policy
FWF 420 - International Natural Resource Issues

B. Management Science

Select three courses:

BSET 345 - Green Construction and Construction Safety
EEB 484 - Conservation Biology
ESS 424 - Environmental Stormwater Management
FORS 335 - Principles of Urban Forestry
GEOG 436 - Water Resources
GEOL 454 - Environmental Restoration

IV. Ethics and Sustainability
Select one course:
PHIL 346 - Environmental Ethics
SOCI 342 - Globalization and Justice

V. Climate Change
Select one course:
ESS 462 - Environmental Climatology
GEOG 333 - Climate Change and Human Response
GEOG 430 - Global Environments of the Quaternary
GEOL 456 - Global Climate Change

VI. Capstone Experience
Complete:
GEOG 499 – Practicing Geography

Add new minor:
Add Sustainability Minor (Geography)

Sustainability Minor
Minor Requirements
The minor consists of 15 hours.
Complete:
GEOG 206 - Sustainability: Reducing our Impact on Planet Earth

Sustainability Challenges
Select one course:
GEOG 345 - People and Environment
GEOL 202 - Earth as an Ecosystem: Modern Problems and Solutions
SOCI 360 - Environment and Resources

Economics and Policy
Select two courses:
AREC 470 - Policy Analysis for Environmental and Natural Resource Management
ECON 362 - Environmental and Natural Resource Policy
FORS 422 - Forest and Wildland Resource Policy
FWF 320 - Human Dimensions of Natural Resources
FWF 420 - International Natural Resource Issues

Resource Management
Select one course:
BSET 345 - Green Construction and Construction Safety
EEB 484 - Conservation Biology
FORS 335 - Principles of Urban Forestry
GEOG 436 - Water Resources
GEOL 454 - Environmental Restoration