DEPARTMENT OF GEOGRAPHY

Revise to add prerequisite:

GEOG 411 – Intermediate Geographic Information Science
3 Credit Hours
Concepts and methods of spatial analysis and their application using geographic information systems software and techniques. Emphasizes both theoretical and applied aspects of GIS. Contact Hour Distribution: 2 hours lecture and 2 hours lab.
(De) Prerequisite(s): GEOG 311 or consent of instructor.

Formerly:
GEOG 411 – Intermediate Geographic Information Science
3 Credit Hours
Concepts and methods of spatial analysis and their application using geographic information systems software and techniques. Emphasizes both theoretical and applied aspects of GIS. Contact Hour Distribution: 2 hours lecture and 2 hours lab.

Revise title:

GEOG 450 – Landscapes: Earth and Elsewhere
3 Credit Hours
(See Geology 450.)

Formerly:
GEOG 450 – Geomorphology

Geology is primary.

Revise Geography Major, BA – Geospatial Science and Technology Concentration, Select five courses (at least 15 hours), add courses to list:

GEOG 312 – First Steps in GIS Programming
GEOG 313 – Geospatial Field Methods of UAVs, LiDAR, and GPS

Revise Geography Major, BA – Honors Geospatial Science and Technology Concentration, Select five courses (at least 15 hours), add courses to list:

GEOG 312 – First Steps in GIS Programming
GEOG 313 – Geospatial Field Methods of UAVs, LiDAR, and GPS
Delete the description of the Sustainability Major, BA, and substitute the attached:

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 and Sciences

Major Requirements
The major consists of 41-43 hours with 31-32 upper division hours.

I. Sustainability Core
Complete:
GEOL 206 – Sustainability: Reducing our Impact on Planet Earth
GEOG 496 – Field Experience for Sustainability
GEOG 499 – Practicing Geography

II. Sustainability and Society
Select one course:
FWF 320 – Human Dimensions of Natural Resources
GEOG 345 – People and Environment
PHIL 346 – Environmental Ethics
SOCI 342 – Globalization and Justice
SOCI 360 – Environment and Resources

III. Sustainability and the Environment
Select one course:
BIOL 260 – Ecology and BIOL 269 – Ecology Field-Based Laboratory
FWF 250 – Conservation

Select one course:
EEB 484 – Conservation Biology
ESS 424 – Environmental Stormwater Management
ESS 462 – Environmental Climatology
FORS 335 – Principles of Urban Forestry
GEOG 433 – Landform Analysis and Landscape Planning
GEOG 436 – Water Resources
GEOG 443 – Landform Analysis and Landscape Planning
GEOL 454 – Environmental Restoration
GEOL 455 – Environmental Geology
GEOL 456 – Global Climate Change

IV. Sustainability and Development
Complete:
ECON 201 – Intro to Economics

Select one course:
AREC 345 – Renewable Energy Economics
AREC 472 – Natural Resource Economics
ECON 322 – The Global Economy: Trade and Development
ECON 463 – Environmental Economics
GEOG 451 – The Global Economy
SOCI 442 – Comparative Poverty and Development

V. Sustainability and Policy
Select one course:
AREC 333 – Agricultural Conservation Policy
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 420 – International Natural Resource Issues
POLS 321 – Urban Politics and Policy

VI. Skills Area
Select one course:
BSET 326 – GIS/GPS Applications in Agriculture and Environmental Science
GEOG 311 – Intro to GIS
GEOG 411 – Intermediate GIS
GEOG 413 – Remote Sensing
GEOG 415 – Quantitative Methods

VII. Focus Area
Select nine hours of courses from a single coherent emphasis such as natural resource management, sustainable cities, sustainable development, sustainable business, GIS and sustainability, etc. or a study abroad program. All courses must be upper-division and