**Ogden College of Science and Engineering**

**Office of the Dean**

**745-4449**

**REPORT TO THE UNIVERSITY CURRICULUM COMMITTEE**

Date: March 12, 2014

The Ogden College of Science and Engineering submits the following information and consent items for consideration at the March 2014, UCC meeting.

1. New Business

|  |  |
| --- | --- |
| **Type of item** | **Description of Item & Contact Information** |
| Consent | **Proposal to Revise Course Prerequisites**  GEOG 316, Fundamentals of Geographic Information Systems, 4 hrs.  Contact: Jun Yan, [jun.yan@wku.edu](mailto:jun.yan@wku.edu), x8952 |
| Consent | **Proposal to Revise Course Prerequisites**  GEOG 418, Internet Geographic Information Systems, 3 hrs.  Contact: Jun Yan, [jun.yan@wku.edu](mailto:jun.yan@wku.edu), x8952 |
| Consent | **Proposal to Revise Course Catalog Listing**  GEOG 317, Geographic Information Systems, 3 hrs.  Contact: Jun Yan, [jun.yan@wku.edu](mailto:jun.yan@wku.edu), x8952 |
| Consent | **Proposal to Revise Course Catalog Listing**  GEOG 417, GIS Analysis and Modeling, 3 hrs.  Contact: Jun Yan, [jun.yan@wku.edu](mailto:jun.yan@wku.edu), x8952 |

Proposal Date: 12/13/2013

Ogden College of Science and Engineering

**Department of Geography and Geology**

**Proposal to Revise Course Prerequisites**

**(Consent Item)**

Contact Person: Jun Yan, jun.yan@wku.edu, 270-7458952

**1. Identification of course:**

* 1. Course prefix (subject area) and number: GEOG 316
  2. Course title: Fundamentals of Geographic Information Systems

**2. Current prerequisites:** GEOG 100 or GEOL 111, and GEOG 110, or permission of the

instructor

**3. Proposed prerequisites:** GEOG 103 or GEOL 103, GEOG 110; or permission of the

instructor.

**4. Rationale for the revision of prerequisites:** GEOG 100 has been deleted and replaced by

GEOG/GEOL 103. With most of the material taught in GEOL 111 covered in GEOG/L 103,

GEOL 111 is no longer needed as a prerequisite.

**5. Effect on completion of major/minor sequence:** None

**6. Proposed term for implementation:** Fall 2014

**7. Dates of prior committee approvals:**

|  |  |
| --- | --- |
| Department of Geography and Geology | **12/13/2013** |
| OCSE Curriculum Committee | **3/6/2014** |
| Undergraduate Curriculum Committee |  |
| University Senate |  |

Proposal Date:12/13/2013

Ogden College of Science and Engineering

**Department of Geography and Geology**

**Proposal to Revise Course Prerequisites**

**(Consent Item)**

Contact Person: Jun Yan, jun.yan@wku.edu, 270-7458952

**1. Identification of course:**

* 1. Course prefix (subject area) and number: Geog 418
  2. Course title: Internet Geographic Information Systems

**2. Current prerequisites:** CS 146 and GEOG 417; or permission of instructor.

**3. Proposed prerequisites:** CS 170, and GEOG 417 with a grade of C or better; or

permission of instructor.

**4. Rationale for the revision of prerequisites:** CS 170 covers computer programming with Python

and it is a more appropriate course than CS 146. A grade of C or better in GEOG 417 is required

to cope with the material covered in GEOG 418.

**5. Effect on completion of major/minor sequence:** None

**6. Proposed term for implementation:** Fall 2014

**7. Dates of prior committee approvals:**

|  |  |
| --- | --- |
| Department of Geography and Geology | **12/13/2013** |
| OCSE Curriculum Committee | **3/6/2014** |
| Undergraduate Curriculum Committee |  |
| University Senate |  |

Proposal Date: 12/13/2013

Ogden College of Science and Engineering

**Department of Geography and Geology**

**Proposal to Revise Course Catalog Listing**

**(Consent Item)**

Contact Person: Jun Yan, jun.yan@wku.edu, 270-7458952

1. **Identification of course:**
   1. Course prefix (subject area) and number: GEOG 317
   2. Course title: Geographic Information Systems
2. **Current course catalog listing:** Basic concepts of spatial science; introduction to data management, display, and analysis using geographic information systems. Course Fee.
3. **Proposed course catalog listing:** The principles, concepts, and applications of GIS. Topics include raster and vector data models, GIS data sources, data acquisition, storage, management, structured query language, relational databases, GIS analysis, and display.
4. **Rationale for revision of the course catalog listing:** We have modified the course description to better reflect the course content. GIS is always evolving and the course content is a reflection of this technology changing.
5. **Proposed term for implementation:** Fall 2014
6. **Dates of prior committee approvals:**

|  |  |
| --- | --- |
| Department of Geography and Geology | **12/13/2013** |
| OCSE Curriculum Committee | **3/6/2014** |
| Undergraduate Curriculum Committee |  |
| University Senate |  |

Proposal Date: 12/13/2013

Ogden College of Science and Engineering

**Department of Geography and Geology**

**Proposal to Revise Course Catalog Listing**

**(Consent Item)**

Contact Person: Jun Yan, jun.yan@wku.edu, 270-7458952

1. **Identification of course:**
   1. Course prefix (subject area) and number: GEOG 417
   2. Course title: GIS Analysis and Modeling
2. **Current course catalog listing:** Develops expertise with a broad range of spatial analysis functions applied within a cartographic modeling framework. Course Fee.
3. **Proposed course catalog listing:** Develops expertise with a broad range of spatial analysis and modeling functions using GIS.  A problem-oriented approach.
4. **Rationale for revision of the course catalog listing:** We have modified the course description to better reflect the course content. GIS is always evolving and the course content is a reflection of this technology changing.
5. **Proposed term for implementation:** Fall 2014
6. **Dates of prior committee approvals:**

|  |  |
| --- | --- |
| Department of Geography and Geology | **12/13/2013** |
| OCSE Curriculum Committee | **3/6/2014** |
| Undergraduate Curriculum Committee |  |
| University Senate |  |