REQUEST FOR A COURSE CHANGE
University of Central Oklahoma

Course Subject (Prefix), Number, and Title:

**Existing:**
- Subject: GEO
- Number: 4743
- Title: Advanced GIS: Environmental

**Proposed:**
- Subject: GEO
- Number: 4743
- Title: Environmental GIS

Proposed Title: (full course title if longer than 30 characters)

Proposed change(s) to this course: Mark all that apply.

- Credit Hour
- Level
- Title
- Description
- Prerequisite
- Enrollment Restriction
- Other:

___ CIP Code
If changing, what is the new code?

Course description:

As it appears in the current catalog. (required)

Advanced GIS: Environmental covers advanced geographic information systems theory and techniques for environmental/ecology applications including water quality, soil degradation, land use/land cover change, terrain modeling, and ecosystem inventory and native land management. Students will use both raster and vector data structures and spatial analyst and 3D analyst. Students will be trained in advanced global positioning system (GPS) technology. Field data collection, data editing, GPS/GIS integration will be emphasized. Students will gain field experience for GPS collection techniques. Prerequisite(s): GEO 4113 and (GEO 1204 or 3703 or permission of instructor). Junior standing or above.

Other:

As it will appear in the next catalog or indicate no change. (Please use standard American English including full sentences.) Course descriptions only. Do not include prerequisites or enrollment restrictions, these should be added under questions 9-15.

Environmental GIS offers advanced geographic information systems techniques for environmental/ecology applications including soil degradation, land use/land cover change, terrain modeling, ecosystem inventory, and native land management.

History and Geography

Department submitting the proposal

**Dr. Brad Watkins**
- Person to contact with questions
- bwatkins8@uco.edu
- x5842

Approved by:

**Katrina Lacher**
- Department Chairperson
- Date: 2020.09.17 10:25:40 -05'00'

**Dean Catherine Webster**
- College Dean
- Date: 2020.09.18 09:20:25 -05'00'

**Rozilyn Miller, Ph.D.**
- College Curriculum Committee Chair
- Date: 2020.09.17 13:45:15 -05'00'

**Academic Affairs Curriculum or Graduate Council**
- Date

Effective term for this course change

Assigned by the Office of Academic Affairs

Academic Affairs Form
August, 2015
1. Does this course have an undergraduate / graduate counterpart?
   X Yes  No

2. Is this proposal part of a larger submission package including a program change?
   X Yes  No

3. Does this course affect a teacher preparation program? (All courses required for any teacher preparation program must have approval from the Council on Teacher Education (CTE) before approval from AACC or Graduate Council.)
   Yes X No
   If yes, send copy of proposal to the Education Curriculum Committee Chair, Dr. Darla Fent
   CTE Approval (Stamp or initial)_____________________

4. Is this course currently listed in the University Core?
   X Yes  No
   If you wish this course be listed in the University Core, submit University Core course proposal.

5. Is this course a prerequisite for any other course(s)?
   X Yes  No
   If this change affects the prerequisite, complete course change proposal to delete or change prerequisite.

6. Is this course a requirement in any major or minor?
   X Yes  No
   If this change impacts the requirement of any major or minor, complete program change proposal.

7. Does this course affect majors or minors outside the department?
   X Yes  No
   If yes, provide name(s) of department chair(s) contacted, the dates, and the results of the discussion.

8. List all majors or minors which include this changed course as a requirement or elective.
   (list major or minor by title not major code)
   Geography, B.A.

9. Prerequisite courses:
   Will the prerequisite courses change?  X Yes  No
   If yes, fill out below, if no leave blank.
   NOTE: Adding a “new course” as a prerequisite to an existing course will likely cause enrollment problems.
   As listed at the end of the course description in the current catalog. (Required)
   Existing: GEO 4113 and (GEO 1204 or 3703 or permission of instructor).
   Proposed: GEO 3103 or GEO 4113

10. Co-requisite(s): Prerequisite courses that may be taken in the same semester.
    Will the co-requisite(s) change?  X No
    If yes, fill out below, if no leave blank.
    As listed at the end of the course description in the current catalog. (Required)
    Existing:
    Proposed:

11. Concurrent enrollment: Courses that must be taken the same semester. Example: lab courses.
    Will the concurrent enrollment change?  X No
    If yes, fill out below, if no leave blank.
    As listed at the end of the course description in the current catalog. (Required)
    Existing:
    Proposed:
12. Does this course currently have enrollment restrictions?
   X Yes  _____ No
   If adding or changing enrollment restrictions answer questions 13-15. If not changing or add enrollment restrictions leave questions 13-15 blank.

13. Specify which major(s) may or may not take this course.
   Will the major(s) restriction change?  _____ Yes  _____ No
   If yes, fill out below, if no leave blank.

   Specifying a major, excludes all other majors from enrolling.
   Existing (as appears in current catalog)
   Check one:  May  _____ May not  _____
   Major Code: ____________________________

   Proposed (if changing)
   Check one:  May  _____ May not  _____
   Major Code: ____________________________

14. Which of the following student classification(s) may enroll in this course?
   Will the classification restriction change?  _____ Yes  X No
   If yes, fill out below, if no leave blank.

   Existing (as appears in current catalog)    Proposed (if changing)
   Check all that apply:                     Check all that apply:
   Graduate (2) 19 + hours                   Graduate (2) 19 + hours
   Graduate (1) 0-18 hours                   Graduate (1) 0-18 hours
   Post Baccalaureate                       Post Baccalaureate
   Senior                                  Senior
   Junior                                  Junior
   Sophomore                               Sophomore
   Freshman                                Freshman

15. Specify other restrictions for this course, if any.
   Will other restrictions change?  X Yes  _____ No
   If yes, fill out below, if no leave blank.

   Existing (as appears in current catalog)    Proposed (if changing)
   Admission to Graduate Programs             Admission to Graduate Programs
   Admission to Nursing Program               Admission to Nursing Program
   Admission to Teacher Education             Admission to Teacher Education
   Other: Permission of instructor  X        Other: Removing permission of instructor  X

16. Course objectives for this course: (Please refer to instructional objectives documents at: http://www.uco.edu/academic-affairs/faculty-staff/aacc.asp#FAQ/Helpful%20Hints.)
   If previously approved objectives will be used without any changes, check here
   X

   Existing: ____________________________________________
   As they appear in the course syllabus.

   Proposed: ____________________________________________
   As they will appear in the updated syllabus.
17. Please provide a concise, yet comprehensive, statement that explains the specific reasons for requesting the change(s). Include any documentation or assessment information available supporting this specific request.

We propose the course title and course description change to make both more concise. We added an additional prerequisite course option, GEO 3103 Map Analysis and Cartography, because students learn basic GIS database manipulation and map design, which will prepare them for GEO 4743 Environmental GIS.

18. Clearly explain how the characteristics of this course meet or exceed those outlined in Course Level Characteristics. (Copy and paste table from “Course Level Characteristics” document for the appropriate course level of proposed course. Document may be found on: http://www.uco.edu/academic-affairs/files/aacc/forms/CLC%20table4_07.pdf.)

N/A