

UNIVERSITY OF MARY WASHINGTON – EXPEDITED COURSE CHANGE PROPOSAL

Submit this form electronically, beginning with the first required level of review (department or college level). Each level of review passes the form and any attachments to the next level when the action is approved.

Submitted by: Jackie Gallagher	Date Prepared: Jan 11, 2019
Department/Discipline(s) and Course Number(s): Geography / GISC 450	
Course Title: GIS Programming	

Type of change (check all applicable):

Number* _____ Title _____ Description Prerequisites _____ Deletion _____ Cross list** _____

**This course number must be approved by the Office of the Registrar before the proposal is submitted. With this course proposal, attach a list of ALL COURSES that will be affected by the number change (for example, cases where the course number that is changing is a prerequisite for another course).*

***To cross list courses between departments/colleges, there should be two cover sheets submitted with the proposal – one by the chair of each department with signatures from the relevant College Curriculum Committee Chair.*


Effective Date: FALL Semester, Year 2019 _____

Current Catalog Entry	Proposed Catalog Entry (suggested length – less than 50 words)
Prerequisites: GISC 351 or GEOG 351. This course teaches the fundamental concepts of computer programming, OOP concepts, and ESRI's python Applications Programming Interface (API) Arcpy. Students are introduced to Arcpy modules and learn to develop custom tools and solutions that extend core ArcGIS functionality. Students apply object-oriented programming concepts as they develop python resources to create applications and tools that perform specific GIS tasks as map navigation, feature selection and rendering. Course includes hands-on programming exercises, where students write scripts and develop custom tools that automate tasks.	Prerequisites: GISC 351 or GEOG 351. Introduction to fundamental concepts of computer programming, OOP concepts, and ESRI's Python Applications Programming Interface (API) ArcPy. Students develop custom tools and solutions that extend core ArcGIS functionality; apply object-oriented programming concepts; and develop Python resources to create applications and tools that perform specific GIS tasks. Includes hands-on programming exercises, where students write scripts and develop custom tools that automate tasks.

JUSTIFICATION (including impact on majors, minors, concentrations, and general education courses within the University curriculum; attach additional pages if required). Any change that impacts another Department must have a written statement (such as a copy of an email) from the Chair(s) agreeing to the change.
The purpose of this change is to ensure that the registrar's office classifies this course as a 4-credit lecture-style course (as opposed to a 4-credit laboratory-style course). The course has always been taught in a computer-lab classroom with a mix of lecture, demonstration, hands-on practice and individual student work during the class period, followed by completion of assignments outside of class. In order to comply with the federal credit hour policy, it must be classified in the same way that 4-credit Computer Science courses are classified. The term "laboratory" has been removed from the description, which has also been streamlined. There will be no change to content and no impact on programs.
TRANSITION PLAN (describe how will students who are in Catalogs where the course is required for a major be accommodated; attach additional pages if required)
None needed.

Approvals

Department Chair Jackie Gallagher _____ **Date:** Jan 11 2019 _____

College Curriculum Chair  _____ **Date:** 1/24/2019 _____

Expedited course changes are posted for a 10-class day comment period. If no comments are raised, the proposal becomes final. All expedited proposals approved in this way will be noted on the UCC web site. If comments are raised, the proposal may be reviewed by the UCC and then approved or it may be returned to the CCC for additional deliberation (as required).