

Cover Sheet: Request 11794

GIS 4001C Maps and Graphs

Info

Process	Course Modify Ugrad/Pro
Status	Pending at PV - University Curriculum Committee (UCC)
Submitter	Liang Mao liangmao@ufl.edu
Created	8/28/2017 9:58:21 AM
Updated	1/30/2019 11:34:31 AM
Description of request	Analyzes cartographic problems with exercises in techniques of presentation, including map projections and symbols and problems in statistical representation by graphic methods.

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	CLAS - Geography 011609000	Jane Southworth		9/1/2017
ResponseToCCC.docx					8/28/2017
College	Approved	CLAS - College of Liberal Arts and Sciences	David Pharies		10/30/2017
No document changes					
University Curriculum Committee	Commented	PV - University Curriculum Committee (UCC)	Brandi Baker	Added to December agenda	11/28/2017
No document changes					
University Curriculum Committee	Recycled	PV - University Curriculum Committee (UCC)	Casey Griffith	Please address the concerns of the UCC review subcommittee from December emails. For questions please contact C. Griffith.	12/13/2017
No document changes					
College	Approved	CLAS - College of Liberal Arts and Sciences	Joseph Spillane		1/30/2019
No document changes					
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			1/30/2019
No document changes					
Statewide Course Numbering System					
No document changes					
Office of the Registrar					
No document changes					
Student Academic Support System					
No document changes					
Catalog					
No document changes					

Step	Status	Group	User	Comment	Updated
College Notified					
No document changes					

Course|Modify for request 11794

Info

Request: GIS 4001C Maps and Graphs

Description of request: Analyzes cartographic problems with exercises in techniques of presentation, including map projections and symbols and problems in statistical representation by graphic methods.

Submitter: Liang Mao liangmao@ufl.edu

Created: 3/18/2019 9:58:50 AM

Form version: 2

Responses

Current Prefix GIS

Course Level 4

Number 001

Lab Code C

Course Title Maps and Graphs

Effective Term Earliest Available

Effective Year Earliest Available

Requested Action Other (selecting this option opens additional form fields below)

Change Course Prefix? No

Change Course Level? Yes

Current Level 4

Proposed Level 3

Change Course Number? No

Change Lab Code? No

Change Course Title? No

Change Transcript Title? Yes

Current Transcript Title Maps & Graphs

Proposed Transcript Title (21 char. max) Spatial Maps & Graphs

Change Credit Hours? No

Change Variable Credit? No

Change S/U Only? No

Change Contact Type? No

Change Rotating Topic Designation? No

Change Repeatable Credit? No

Change Course Description? No

Change Prerequisites? No

Change Co-requisites? No

Rationale Based on years of feedback from students, we believe this course should ideally be taken before GIS 3043 FOUND GEOG INFO SYS as it serves as a good introduction to ArcGIS and map design.

Mapping geographic data is often the first and last step of any geospatial analysis. This course teaches sophisticated mapping techniques for data visualization purposes, while GIS3043 focuses on the analytic methods for spatial data.

The word 'Spatial' in the title emphasizes the geospatial nature of this class, which is missing in the previous title. Using the gerund "Mapping" denotes active construction of maps, not a map appreciation or interpretation course. 'Thematic' indicate that students will learn skills for visualizing differences or change over space & time for thematic data, rather than showing features on general reference maps, like rivers, cities, political subdivisions and highways.

Additionally, this course counts as one of the potential requirements for our Geospatial Information Analysis certificate, and enrollments will benefit from a name with more gravitas.

We made this course less rigorous and having lower work load than GIS3043:

- 1) GIS3043 has 4 quizzes and a midterm exam, while this class only has one final exam.
- 2) GIS3043 has 2 credit hours for the lab section (in addition to a 2 hours' lecture section), which means students need to complete 2 lab assignments per week. In this class, students only do one lab per week, thus less work load.

In February 2017, the CCC asked following issue to be addressed:

1. It appears that you feel that this course should be a prerequisite to GIS 3043, but this is not specified.

No. We only have capability to offer occasionally, whereas GIS3043 is offered fall, spring, and summer. Also, we do not have this course developed for UFO, and that would be problematic for them (and us to develop).

2. If you propose to change the level from 4000 to 3000, you will have to show how you have made the course less rigorous and lowered the work-load.

- 1) GIS3043 has 4 quizzes and a midterm exam, while this class now only has one final exam.
- 2) GIS3043 has 2 credit hours for the lab section (in addition to a 2 hours' lecture section), which means students need to complete 2 lab assignments per week. In this class, students only do one lab per week, thus less work load.

3. Does the level of GIS 3043 need to be changed instead?

Not now. Many other quality geography programs have a mapping course at the same level as the intro level GIS course, not a higher level course. GIS 3043 is still an introductory level course for geographic information systems. We already have a range of GIS4000 courses for the intermediate and advanced levels. We want to show students a clear course sequence.

4. Overall, the rationale should provide more detail.

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