

# Cover Sheet: Request 11794

## GIS4001C 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                | 10/30/2017 12:51:21 PM  |
| 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<br>011609000               | Liang Mao |         | 9/1/2017   |
| ResponseToCCC.docx                |          |   |           |         | 8/28/2017  |
| College                           | Approved | CLAS - College of Liberal Arts and Sciences | Liang Mao |         | 10/30/2017 |
| No document changes               |          |   |           |         |            |
| University Curriculum Committee   | Pending  | PV - University Curriculum Committee (UCC)  |           |         | 10/30/2017 |
| 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               |          |   |           |         |            |
| College Notified                  |          |   |           |         |            |
| No document changes               |          |   |           |         |            |

## Course|Modify for request 11794

### Info

**Request:** GIS4001C 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:** 8/28/2017 9:58:22 AM

**Form version:** 1

### 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?**Yes

**Current Course Title**Maps and Graphs

**Proposed Course Title**Spatial Thematic Mapping

**Change Transcript Title?**Yes

**Current Transcript Title**Maps & Graphs

**Proposed Transcript Title (21 char. max)**Spatial Thematic Map

**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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The word 'Spatial' in the course 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.

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