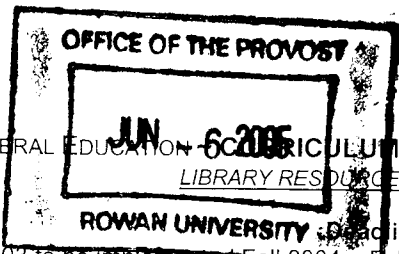


PROCESS A NON-GENERAL EDUCATION CURRICULUM PROPOSAL
LIBRARY RESOURCE FORM REQUIRED



SCC #03-04- 1A0

October 3, 2003 to be implemented Fall 2004 February 13, 2004 to be implemented Spring 2005

PROPOSAL TITLE: Change name and prerequisites for Advanced Geographical Information Systems

Sponsor(s): Dr. Richard Scott
Dr. John Hasse

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DEPARTMENT: Geography and Anthropology

COLLEGE: Liberal Arts and Sciences

If Liberal Arts & Sciences CHECK : History/Humanities Math/Sciences Social/Behavioral Sciences
 UNDERGRADUATE GRADUATE

THE ATTACHED **NON-GEN-ED** PROPOSAL IS BEST DESCRIBED BY THE ITEM(S) CHECKED

New non-gen-ed course
 Short-term non-gen-ed course

Minor curricular changes (fewer than three) to:
 Existing non-gen-ed course
 Non-gen-ed degree requirements
 Major
 Minor, specialization, concentration, track, certificate program

THE FOLLOWING SIGNATURES REPRESENT APPROVAL

Department Chair: [Signature] Date: 20 Oct 2003
Department Curriculum Chair: [Signature] Date: 10-20-03
Academic Dean: [Signature] Date: 12-11-03

COLLEGE CURRICULUM COMMITTEE

OPEN HEARING Date: 3-25-2004 Approved Not Approved

COLLEGE CURRICULUM CHAIR: _____
Senate Curriculum Chair Signature: _____ Date: Senate Announcement _____

Comments: Changes made to proposal 6-1-2005 PAR 6-2-2005

EXECUTIVE VICE PRESIDENT/PROVOST Signature: [Signature] Date: 7/5/05

Approved Not Approved

REGISTRAR

Date: 7/11/05 Course Description Received & Approved ~ Hegis Taxonomy & Course #: _____

Registrar Signature: [Signature]

NOTIFICATION FORWARD

SCC Chair Academic Dean Department Chair Registrar IR CAP

VP Student Affairs Others

[Signature] 7-25-05

Minor Curricular Change

Details: Change in name of course and minor content modification.

- a. **Change requested.** Change name of 2206.415 from Advanced Geographical Information Systems to Geographic Information Systems II. Change from no prerequisite required to Introduction to the Mapping and Geographic Information Science 2206.193 as prerequisite, co-requisite or permission of the instructor.
- b. **Sponsors:** Dr. Richard Scott and Dr. John Hasse, Department of Geography and Anthropology.

Rationale:

- a. **Statement of need for change.** Name Change. Under a separate proposal we have asked for a name change for the course, Introduction to the Mapping Sciences [2206-193]. The new proposed name is Introduction to Mapping and Geographical Information Science. We seek to change the name of this course because as our field continues to grow we may need to add a third level to the core of GIS offerings. Changing the name of this course to Geographical Information Systems II and the name of the introductory course to Geographical Information Systems I, removes this problem. Under the cover of a separate proposal, we are, of course, proposing to change the name of the introductory course to Geographical Information Systems I.

Prerequisite, Co-requisite or Permission Change. Currently, our advanced GIS course has no prerequisite. Because the mapping sciences course provides students with a broad-based introduction to the field, we believe that students require the level of expertise gained in this course [or its equivalent] in order to perform effectively in this class. Requiring a pre or co-requisite of the mapping sciences course will enable us to devote more time to analysis and database issues in the advanced GIS class [2206-415]. At the same time, there are students who come to the class with considerable background in the field and who have acquired a working knowledge of the software we use on their own or by taking course from the software developer, Environmental Systems Research Institute. These individuals should be allowed into the course with the permission of the instructor.
- b. **Statement of curricular effect.** The proposed title change will result in a more accurate description of course content and will open up the possibility of more flexible course naming in the future. The pre or co-requisite requirement will enable the course better to achieve its goal of providing students with a solid introduction to spatial analysis.

Results of Consultation.

No consultations requested.

PROCESS A NON-GENERAL EDUCATION ~ CURRICULUM PROPOSAL

SCC #03-04- 117



October 3, 2003 to be implemented Fall 2004 ~ February 13, 2004 to be implemented Spring 2005

PROPOSAL TITLE: Change name and catalog description of Introduction to the Mapping Sciences

Sponsor(s): Dr. Richard Scott
Dr. John Hasse

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E-Mail: hasse@rowan.edu Ext. 3977

DEPARTMENT: Geography and Anthropology

COLLEGE: Liberal Arts and Sciences

If Liberal Arts & Sciences CHECK : History/Humanities Math/Sciences Social/Behavioral Sciences
 UNDERGRADUATE GRADUATE

THE ATTACHED **NON-GEN-ED** PROPOSAL IS BEST DESCRIBED BY THE ITEM(S) CHECKED

- New non-gen-ed course
- Short-term non-gen-ed course
- Minor curricular changes (fewer than three) to:
 - Existing non-gen-ed course
 - Non-gen-ed degree requirements
 - Major
 - Minor, specialization, concentration, track, certificate program

THE FOLLOWING SIGNATURES REPRESENT APPROVAL

Department Chair: [Signature] Date: 20 Oct 2003
 Department Curriculum Chair: [Signature] Date: 10-20-03
 Academic Dean: [Signature] Date: 12-11-03

COLLEGE CURRICULUM COMMITTEE

OPEN HEARING Date: 3-25-2004 Approved Not Approved

COLLEGE CURRICULUM CHAIR: [Signature]
Senate Curriculum Chair Signature: [Signature] Date: Senate Announcement [Signature]

Comments: Changes made to proposal 6-1-2005 PCL 6-2-2005

EXECUTIVE VICE PRESIDENT/PROVOST Signature: [Signature] Date: 7/5/05

Approved Not Approved

REGISTRAR

Date: 7/11/05 Course Description Received & Approved ~ Hegis Taxonomy & Course #: 2206(193)

Registrar Signature: [Signature]

NOTIFICATION FORWARD

SCC Chair Academic Dean Department Chair Registrar IR CAP

VP Student Affairs Others

Trans 7-25-05

DB 8/8/05 MLW

Minor Curricular Change

Details: Change in name of course and minor content modification.

- a. **Change requested.** Change name of 2206.190 from Introduction to the Mapping Sciences to Introduction to Mapping and Geographic Information Science. Modify the catalog description to reflect the name and content change from: This course provides the student with the conceptual tools required for intelligent and critical use and interpretation of maps. In addition the course provides the student with an introduction to and overview of the mapping sciences. Students learn the concepts, methods, and techniques common to the several branches of the mapping sciences and are introduced to cartography, satellite remote sensing, computer-assisted cartography, and geographical information systems.

To. This course provides the student with the conceptual tools required for intelligent and critical use, interpretation, **and analysis** of maps. In addition the course provides the student with an introduction to and overview of the mapping sciences. Students learn the concepts, methods, and techniques common to the several branches of the mapping sciences and are introduced to cartography, satellite remote sensing, computer-assisted cartography, and geographical information systems. **Because of its increasing importance, special emphasis on geographical information systems.** [Modification to current catalog description are in **bold face type**]

- b. **Sponsors:** Dr. Richard Scott and Dr. John Hasse, Department of Geography and Anthropology.

Rationale:

- a. **Statement of need for change.** As practitioners of the mapping sciences, which include cartography, geographic information systems, remote sensing, and image processing of satellite imagery, have worked to effect change and development in these fields, the rapid growth of geographic information science and geographic information systems in comparison with the other sub-disciplines that comprise the field has become evident to us and to our students. In response to this alteration of relative priority we have already begun to modify the content of this course to increase the emphasis on geographic information science and systems. The changes proposed here will serve to bring the title of the course and its description into congruence with the current reality of our discipline.
- b. **Statement of curricular effect.** There will be relatively minor impact on the department or on curricular design. The proposed title and catalog changes will result in a more accurate description of course content and the proposed content changes will result in students being better prepared to for the introductory geographic information systems course [2206.360].

Results of Consultation.

No consultations requested.