

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

SCC #04-05- 113

Deadlines

October 4, 2004 to be implemented Fall 2005 ~ February 14, 2005 to be implemented Spring 2006

PROPOSAL TITLE: New Course proposal: MIS Capstone Experience

Sponsor(s): Daniel J. McFarland, Ph.D.

E-Mail: mcfarland@rowan.edu Ext: x5426

E-Mail: _____ Ext: _____

DEPARTMENT: Management & MIS

COLLEGE: College of Business

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 Minor curricular changes (fewer than three) to
 Short-term non gen-ed course 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: 10/5/04

Department Curriculum Chair: [Signature] Date: _____

Academic Dean: [Signature] Date: _____

COLLEGE CURRICULUM COMMITTEE

OPEN HEARING Date: 11/24/04 Approved Not Approved

COLLEGE CURRICULUM CHAIR: Manuel Portes

Senate Curriculum Chair Signature: [Signature] Date: Senate Announcement _____

Comments _____

EXECUTIVE VICE PRESIDENT/PROVOST Signature: [Signature] Date: 3/8/05

Approved Not Approved

REGISTRAR

Date: 3/31/05 Course Description Received & Approved - Reg's Taxonomy & Course #: 0702450

Registrar Signature: [Signature]

NOTIFICATION FORWARD

SCC Chair Academic Dean Department Chair Registrar IR CAP
 VP Student Affairs Others [Signature]

*3.6.05
D.G.B.*

Rowan University
CURRICULUM PROPOSAL
LIBRARY RESOURCE FORM

The purpose of this form is to provide a channel of communication between the library and faculty changing and designing new courses/programs. The information will be used to assess the resources available in the library and to identify resources the library should acquire to support the course program. The information will also provide rationale for institutional support for library acquisitions.

This form should be completed in a coordinated effort between the course sponsor(s) and the academic department liaison librarian. THIS FORM MUST BE COMPLETED FOR ALL CURRICULUM PROPOSALS.

- The sponsor(s) complete parts A & B. Assistant is required to complete parts A & B. Please notify the liaison librarian.
- Forward this form to the librarian who will complete parts C, D & E.

This form must be completed and attached to the original curriculum proposal before being approved by the Senate Curriculum Committee

A. College College of Business Department Management & MIS
 Proposed by Daniel J. McFarland, Ph.D. Date August 27, 2004
 Course Title Capstone Experience for MIS
 Anticipated Date for Course/Program Offering Fall 2005

B. List specific resources that should be acquired to support this course
 None.

C. Describe the resources available in the library to support this course/program, including reference, monographic, electronic databases, audio-visual materials, etc. A summary statement is sufficient.

Access to electronic library database resources. Specifically, ABI/Inform, Proquest, Lexis/Nexis.

ACM Digital Library *IEEE Applied Science & Technology*
Science Direct

D. List key periodicals available in the library to support this course/program

None. Numerous titles are accessible through above listed online resources.

E. Librarian comments and recommendations

The science - focused resources are going to be much stronger in the application area of all of these new MIS course proposals.

Name: LIBRARIAN LIAISON Connie Rosenberger Librarian Signature Connie Rosenberger

NEW COURSE PROPOSAL
MIS CAPSTONE EXPERIENCE

Details

- a. Course Title: **MIS Capstone Experience**
- b. Hegis Number: 0702.4xx
- c. Sponsor(s): Dan McFarland
- d. Credit Hours: 3 s.h.
- e. Course Level: Undergraduate Senior 400 level
- f. Prerequisites:
 - a. Completion of 90 s.h. as a Business Administration (0501) or Accounting Major (0503) AND
 - b. Project Management (0702.4xx) AND
 - c. ~~Web Development for Business (0702.4xx)~~
- g. Suggested time and scale of implementation: The course will be offered for the first time Spring 2006, and will be offered every spring semester.

Curricular Effect

Specialization Impact: The MIS Capstone Experience course will replace the Seminar in MIS course as one of the final courses an MIS student takes. Students may take the Seminar in MIS course as an elective course.

Offerings: This proposal will have no impact on other departments and colleges within the University. availability.

Adequacy: Current faculty members are qualified to teach this course.

Recommended Library Resources: The existing library holdings and online databases will satisfy the library requirements for the proposed course.

Short-term Evaluations: Not applicable.

Rationale

The Management and MIS department is committed to improving the educational experience of students through the process of continuous improvement and outside verification of progress. As such, the MIS faculty are preparing to apply for the newly established ABET accreditation in IS. To earn this accreditation, the MIS curriculum must satisfy the learning objectives of an accepted, standardized curriculum model. There is only one standardized MIS curriculum model namely, the IS 2002 Model. This course proposal is designed to partially satisfy the IS 2002 Model learning objectives.

Essence of the Course

a. Objectives of the course in relation to student outcomes:

The most important objective of this course is integrate the material covered in the MIS specialization courses, so that students can understand how each of the elements work together. It also affords an opportunity for students to complete a complex, realistic project where they must utilize and hone the following skills learned in prerequisite courses:

- ✓ Project Management Theory and Skills
- ✓ Systems Analysis and Design Skills
- ✓ Database Design and Implementation Skills
- ✓ Programming Skills
- ✓ Interpersonal Skills
- ✓ Writing Skills
- ✓ Problem Solving Skills

Additional objectives to be met in this course are:

- ✓ To reinforce ethical awareness and good decision making in IS situations;
- ✓ To discuss the specific professional and ethical responsibilities of the IS practitioner; and
- ✓ To ensure attitudes necessary for successful team behavior.

b. Topical Outline/Content:

Working in project teams and utilizing a project management methodology, students will analyze, design, code, test and implement a dynamic web-based business information system. This course will provide assessment of and strongly reinforce the following content within the context of an IS project.

- ✓ Develop and use project management, project standards, and a system implementation plan
- ✓ Develop agreements describing work to be done and fulfill those agreements
- ✓ Develop skill in the use of project management tools and software
- ✓ Hone skills in modeling data, in the retrieval of DB data to support IS applications, and in the implementation of database systems
- ✓ Design and implement a graphical user interface facility
- ✓ Develop functional specifications for an information system, and a detailed information system design
- ✓ Develop skills in programming, particularly in the design, testing and debugging of an IS application of some complexity
- ✓ Analyze a significant problem using the systems approach to problem solving

This course will also introduce and/or reinforce the following.

- ✓ Explain and discuss ethical and legal principles and issues in the area of IS development, planning, implementation, usage, operation, etc.
- ✓ Present and discuss the professional and ethical responsibilities of the IS practitioner
- ✓ Ensure attitudes necessary for successful team behavior including empathetic listening, consensus negotiation and conflict resolution, and to apply the concept of commitment and rigorous completion

c. Evaluation of students and grading procedure:

Students will be evaluated based on their performance in all aspects of the project. That is, each deliverable (e.g., statement of work, project schedule, coded system, etc.) will be evaluated and graded.

d. Course Evaluation:

Course evaluation will be consistent with practices in the Management/MIS Department and the College of Business. Student evaluations will be administered each semester. Additionally, the MIS academic program review, which is conducted each year looks at the value of each course in relation to student learning objectives and in conjunction with student results on the standardized MIS specialization assessment instrument.

Results of Consultations

From: Jennifer Kay <kay@elvis.rowan.edu>

To: ROWANDOM.GWIA."harper@rowan.edu", ROWANDOM.GWIA."Rusu@rowan.edu",
ROWANDOM.GWIA."mcfarland@rowan.edu", ROWANDOM.GWIA."Fleming@rowan.edu",
ROWANDOM.GWIA."baliga@rowan.edu", ROWANDOM.GWIA."Amer@rowan.edu",
ROWANDOM.GWIA."nlt@elvis.rowan.edu", ROWANDOM.GWIA."hartley@elvis.rowan.edu",
ROWANDOM.GWIA."hamilton@rowan.edu"

Date: Wednesday - October 6, 2004 2:01 PM

Subject: Consultation for MIS program

To: Bob Fleming, Chair, Management/MIS Department
From: Computer Science Curriculum Committee
Re: MIS major curriculum proposal

Thank you for giving the Computer Science Department the opportunity to review and comment on the following proposals:

- New Course: Business Systems
- New Course: Business Web Applications
- New Course: Project Management
- New Course: MIS Capstone Experience
- Change in Math/Science Gen Ed Requirements for Business Administration Major
- Change in Prereqs, Name, Hegis, and Description for Information Systems Planning and Network Management
- Change in Prereqs for Management Information Systems
- Change in Prereqs for Design of Database Systems
- Change in Prerequisites and Hegis Number for Advanced Database Management
- Change in Prerequisites for Seminar in MIS
- Change in Prerequisites for E-Business: IS Perspective
- Major Curricular Change, Change in Required Courses and Restricted Electives for MIS Specialization.

We support these proposals.

We understand that there is no accreditation in MIS available, and therefore you have decided to apply for accreditation in Information Systems which falls under the "Computing" area of the Accreditation Board for Engineering and Technology. It is our belief that you should further increase the number of Computer Science courses in the MIS specialization beyond simply Business Programming 1 and 2 in order to support your accreditation, but we recognize that you prefer not to do so at this time.

While we support your application for accreditation, we would NOT be supportive of a change in the name of your department or degree to Information Systems. We believe that a degree in Information Systems should be a joint program of both Computer Science and Management / MIS.

--

Jennifer Kay, Chair

Rowan University

Computer Science Department

201 Mullica Hill Road

Glassboro, NJ 08028

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fax: 856-256-4741

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Mail Message

Novell.

Close Previous Next Forward Reply to Sender Reply All Move Delete Read Later Properties

From: Berhe Habte-Giorgis (Berhe Habte-Giorgis)
To: Daniel J. McFarland
Date: Friday - October 8, 2004 10:56 AM
Subject: Re: Consultation request: MIS Curriculum Changes

Dan

The Marketing Department supports your course proposals. The hegis number for Principles of Marketing is 200 level, as pointed out by Manny.

Berhe Habte-Giorgis
Chair, Department of Marketing

Catalog Description

MIS Capstone Experience –Spring semester only
Hegis Number: 0702.4xx

Prerequisites:

- a. Completion of 90 s.h. as a Business Administration (0501) or Accounting Major (0503) AND
- b. Project Management (0702.4xx) AND
- c. Web Development for Business (0702.4xx)

This course integrates the material covered in the MIS specialization courses, so that students can understand how each of the elements work together. It also affords an opportunity for students to complete a complex, realistic project where they must utilize and hone skills they learned in prerequisite courses (i.e., project management concepts, systems analysis and design methodologies, data modeling and database design, programming skills, interpersonal skills, writing skills, and problem solving skills.) This course will also reinforce ethical awareness and good decision making in IS situations, and discuss the specific professional and ethical responsibilities of the IS practitioner.

✓ DB
4/14/05