

DEC 21 2005

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

SCC #03-04- 408

Deadlines

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

PROPOSAL TITLE: CE-Minor Curriculum Change - Change in Prerequisites

Sponsor(s): Ralph A. Dusseau E-Mail: dusseau@ Ext: 5322
Yusuf A. Mehta E-Mail: mehta@ Ext: 5327

DEPARTMENT: CIVIL ENGINEERING

COLLEGE: ENGINEERING

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

OFFICE OF THE PROVOST
NOV - 1 2005

THE FOLLOWING SIGNATURES REPRESENT APPROVAL

Department Chair: [Signature] Date: 2/9/04
Department Curriculum Chair: Yusuf Mehta Date: 02/07/04
Academic Dean: [Signature] Date: 2/9/04

COLLEGE CURRICULUM COMMITTEE

OPEN HEARING Date: 3/4/04 Approved Not Approved
COLLEGE CURRICULUM CHAIR: [Signature] Date: 11/24/05
Senate Curriculum Chair Signature: [Signature] Date: Senate Announcement [Signature]
Comments: _____

EXECUTIVE VICE PRESIDENT/PROVOST Signature: [Signature] Date: 10/19/06

Approved Not Approved

REGISTRAR

Date: 10/23/06 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

Rowan University
Department of Civil and Environmental Engineering

Minor Curriculum Change Proposal – Change in Prerequisites

Details:

a. Change Requested

0908.301

Civil Engineering Materials

Prerequisites: Concurrent enrollment in 0901.281

0908.305

Civil Engineering Systems

Prerequisites: 2204.102, Concurrent enrollment in 0908.301

0908.311

Environmental Engineering I

Prerequisites: 1907.300, Concurrent enrollment in 0901.341.

0908.312

Environmental Engineering II

Prerequisites: 0908.311

0908.342

Water Resources Engineering

Prerequisites: 0901.341

0908.351

Geotechnical Engineering

Prerequisites: 0901.341, 0908.301, 0901.272

0908.382

Structural Analysis and Design

Prerequisites: 0901.271, 0901.272

0908.452

Foundation Engineers for Seniors

Prerequisites: 0908.351

0908.453

Earth Retaining Systems for Seniors

Prerequisites: 0908.351

*Prerequisite Changes
effective Fall 2007
Semester.*

*-SK
Registrar's Office*

0908.481
Reinforced Concrete Design
Prerequisites: 0901.271, 0901.272

To:

0908.301
Civil Engineering Materials
Prerequisites: Concurrent enrollment in 0901.281 Material Science, must attain C- or better in 0901.271 Statics and 0901.272 Solid Mechanics.

0908.305
Civil Engineering Systems
Prerequisites: Must attain C- or better in 1702.260 Statistics I.

0908.311
Environmental Engineering I
Prerequisites: 1701.236 Math for Engineering Analysis II, Concurrent enrollment in 0901.341 Fluid Mechanics, must attain C- or better in 1906.105 Advanced College Chemistry I.

0908.312
Environmental Engineering II
Prerequisites: Must attain a C- or better in 0908.311 Environmental Engineering I.

0908.342
Water Resources Engineering
Prerequisites: Must attain C- or better in 0901.341 Fluid Mechanics and 1701.235 Math for Engineering Analysis I.

0908.351
Geotechnical Engineering
Prerequisites: 0901.341 Fluid Mechanics, 0908.301 Civil Engineering Materials, must attain C- or better in 0901.272 Solid Mechanics.

0908.382
Structural Analysis and Design
Prerequisites: Must attain C- or better in 0901.271 Statics and 0901.272 Solid Mechanics.

0908.452
Foundation Engineers for Seniors
Prerequisites: Must attain C- or better in 0908.351 Geotechnical Engineering.

0908.453
Earth Retaining Systems for Seniors
Prerequisites: Must attain C- or better in 0908.351 Geotechnical Engineering.

0908.481

Reinforced Concrete Design

Prerequisites: 0908.382 Structural Analysis and Design.

b. Sponsor(s)

Ralph Dusseau, Chair, Civil and Environmental Engineering

Yusuf Mehta, Chair, Civil and Environmental Engineering Curriculum Committee

Rationale:

a. Statement of "need" for such a change:

Students with a grade of D or less on the precursor courses do not perform adequately in the courses listed above. With the current prerequisites, students move well into junior year before being forced to make a decision about remaining in the program due to grades or GPA issues. Consequently, the Civil and Environmental Engineering faculty believe that an additional criteria should be added. This will give the students in the course listed above a more realistic chance for success.

b. Statement of curricular effect. How the change will impact on program and /or curricula design.

This change does not affect our curriculum. It does require monitoring of enrollment at the beginning of each semester.

Results of Consultation:

a. List all parties consulted.

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
 If assistance 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 ENGINEERING Department CIVIL AND ENVIRONMENTAL
 Proposed by: RALPH DUSSEAU Date: 02/09/03
 Course Title: CHANGE IN PRE-REQUISITES
 Anticipated Date for Course/Program Offering: _____

B. List specific resources that should be acquired to support this course.
 No additional library resources will be needed.

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.

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

E. Librarian comments and recommendations:

Since there is a change in pre-requisites, it will not affect library resources.

Name: LIBRARIAN LIAISON _____

Librarian Signature _____

Ralph J. Mullen