

PROCESS A NON-GENERAL EDUCATION CURRICULUM PROPOSAL  
1994E, 1997C, 1998A, 1999, 1999, 1999

SOC #04-05- 401 R

Deadlines

October 1, 2004 to be implemented Fall 2005 - February 11, 2005 to be implemented Spring 2006

PROPOSAL TITLE: CHANGE IN PRE-REQUISITES FOR TRANSPORTATION ENG.

Sponsor(s): YUSUF A. MEHTA E-Mail: mehta@ Ext: 5327  
RALPH A. DUSSEAU E-Mail: dusseau@ Ext: 5322

DEPARTMENT: CIVIL AND ENVIRONMENTAL 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
- 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: 11/27/05  
Department Curriculum Chair: YUSUF MEHTA Date: 11/27/05  
Academic Dean: Deanne Daland Date: 2-7-05

COLLEGE CURRICULUM COMMITTEE

OPEN HEARING Date: 4/1/05 Approved  Not Approved   
COLLEGE CURRICULUM CHAIR: [Signature]  
Senate Curriculum Chair Signature: [Signature] Date: 11/28/05  
Senate Announcement: [Signature]  
Comments: \_\_\_\_\_

EXECUTIVE VICE PRESIDENT/PROVOST Signature: [Signature] Date: 1/6/06

Approved  Not Approved

Date: 1/27/06 REGISTRAR  
Course Description Received & Approved - Reg's Taxonomy & Course # \_\_\_\_\_

Registrar Signature: [Signature]

NOTIFICATION FORWARD

SOC Chair  Academic Dean  Department Chair  Registrar  R  DAP  
 Other Staff  Others Frank 2/9/06

**Rowan University**  
**Department of Civil and Environmental Engineering**

Minor Curriculum Change Proposal – Change in Prerequisites

**Details:**

a. Change Requested

0908.361  
Transportation Engineering  
Prerequisites: Microeconomics 2204.102

**To:**

0908.361  
Transportation Engineering  
Prerequisites: Concurrent enrollment in Surveying and Engineering Graphics 0908.202.

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:

The students enroll in the Transportation Engineering class in the spring of junior year and do not take the Microeconomics course until the senior year. In addition, Microeconomics is not needed for this course. The horizontal and vertical curve basics covered in Surveying and Engineering Graphics will be required for the Transportation Engineering class.

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

This change does not affect our curriculum.

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 sponsors, and the academic department liaison librarian. **THIS FORM MUST BE COMPLETED FOR ALL CURRICULUM PROPOSALS.**

- The sponsors 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 ENV. ENG  
 Proposed by: YUSUF MEHTA Date: 01/27/05  
 Course Title: TRANSPORTATION ENG  
 Anticipated Date for Course/Program Offering: SPRING

B. List specific resources that should be acquired to support this course.

NO RESOURCES REQUIRED

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

Name: LIBRARIAN LIAISON \_\_\_\_\_ Librarian Signature: \_\_\_\_\_

**Rowan University**  
Campbell Library

Library Resources Form

Department/School: College of Engineering/ Civil and Environmental Engineering

Proposed by: Dr. Yusuf Mehta

Program Title: Transportation Engineering

Anticipated Date for Course/Program Offering: Spring 2006

**Resources that should be acquired**

No additional resources are needed at this time.

**Resources available in Campbell Library**

The library has significant holdings in the broad L.C. subject areas of Civil and Environmental Engineering. An engineering approval plan is utilized to provide current materials in the engineering disciplines.

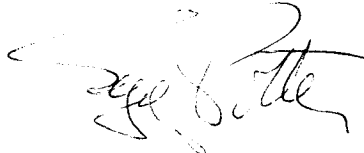
**List key periodical resources**

Campbell Library is fortunate to have access to online journal databases in a large number of academic subjects, including civil and environmental engineering, transportation, mathematics, and the physical sciences.

Of particular significance is the ASME database (American Society of Mechanical Engineers), which contains relevant full-text articles. In addition, both Engineering Village and Elsevier Science Direct provide journal articles, many full-text, on science and engineering. Also, MathSci + provides comprehensive coverage of international research in mathematics and mathematically related research in statistics, computer science, physics, operations research, engineering, biology, and related disciplines. Almost 2,000 journals are represented.

**Librarian remarks**

Given the library's current book holdings and online journal access, this course can be supported.



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Gregory C. Potter  
Library Liaison

1/28/05

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**Subject: FW: Consultation for SCC # 04-05-401**

**Date:** Thursday, October 6, 2005 4:40 PM

**From:** Mehta, Yusuf A. <mehta@rowan.edu>

**To:** "Dahm, Kevin D." <dahm@rowan.edu>

**Cc:** "Milou, Eric" <milou@rowan.edu>, "Cleary, Douglas B." <cleary@rowan.edu>

This is the consultation from the Economics faculty for the "Change in Pre-requisite For Transportation Engineering" proposal (SCC #04-05-401)

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**From:** Mukhoti, Bela

**Sent:** Thursday, October 06, 2005 10:51 AM

**To:** Mehta, Yusuf A.

**Subject:** RE: Consultation

Dear Yusuf:

Thank you for consulting me regarding your request. I do not have any problem with the proposed change.

Your students may take Microeconomics and Transportation Engineering concurrently.

Regards,

Bela

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**From:** Mehta, Yusuf A.

**Sent:** Tue 10/4/2005 4:37 PM

**To:** Mukhoti, Bela

**Cc:** 'cleary@rowan.edu'

**Subject:** Consultation

Dr. Mukhoti,

In our previous curriculum we had Microeconomics as a pre-requisite for Transportation Engineering. Currently, Transportation is a junior level class and students need to take Microeconomics concurrently.

The transportation engineering class is mainly on highway and signal design.

The proposal to change the pre-requisite is attached. Your consultation is appreciated.

Thank you

Yusuf

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