

Submission Deadlines: Fall - October 11, 2005 Spring - February 14, 2006

**TITLE** Change in Number of Credits for Surveying and Engineering Graphics

Sponsor(s) Yusuf A. Mehta e-mail: mehta@  
Ralph A. Dusseau e-mail: dusseau@  
e-mail:

DEPARTMENT Civil and Environmental Engineering  
College Engineering

If LAS-check:  History/Humanities  Social/Behavioral Sciences  
 Math/Science

UNDERGRADUATE  GRADUATE

New non gen-ed  Major

Short-Term non gen-ed

Minor curricular changes (fewer than three) to:

Existing non gen-ed course

Non gen-ed degree requirements

Major

Minor, specialization, concentration, track, certificate program

*Dr. Slifer*

**Signatures Required: representing approval before submission to Office of the Senate**

Department Chair: [Signature] Date: 9/8/05  
Department CURRICULUM Chair: [Signature] dusseau@rowan  
Academic DEAN: [Signature] newlandc@rowan  
*Requires adjunct support for addit*  
COLLEGE CURRICULUM COMMITTEE: [Signature] mehta  
Open He [Signature]  
Approver [Signature]  
Not App: [Signature]

Signature: College Curriculum Chair [Signature]

Signature: SENATE CURRICULUM CHAIR \_\_\_\_\_  
Date: \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_

Signature: Executive Vice President/Provost: \_\_\_\_\_  
Date: \_\_\_\_\_

Approved: \_\_\_\_\_  
Not Approved: \_\_\_\_\_

Signature: REGISTRAR [Signature]  
Date: 3/7/06 Course Description Received & Approved  
Hegis Taxonomy & Course # CEE 08.203

Notification Forward:  
 SCC CHAIR  Academic Dean *5-1-06*  
 IR  Department Chair *Shan*  
 CAP  VP/Student Affairs *rew*  
 Registrar  Other-

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

Minor Curriculum Change Proposal – Change in Number of Credits

**Details:**

a. Change Requested

~~0908.202~~ **0908203** **CEE 08.203**  
Surveying and Engineering Graphics  
Current credits: 3

**To:**

~~0908.202~~  
Surveying and Engineering Graphics  
Increase from 3 to 4 credits

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 Surveying and Engineering Graphics course will be expanded to include one credit of AutoCAD (Engineering Graphics). Increasing the number of credits in Surveying and Engineering Graphics from 3 to 4 will allow the Civil and Environmental Engineering (CEE) Program to increase student exposure to AutoCAD and engineering graphics. With this increase, the first half of the semester will now be devoted exclusively to AutoCAD and engineering graphics, while the second half will be devoted to entirely to field surveying. Thus, the increase of 1 credit will occur entirely within the existing AutoCAD portion of the course with no reductions in the field surveying component of the course. This will allow the CEE Program to satisfy two important recommendations from our Industry Advisory Board: 1) to increase student exposure to AutoCAD and engineering graphics, and 2) to maintain our current level of student exposure to field surveying.

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

This change does not affect our curriculum. The overall credits required for graduation will remain the same because one-credit increase requested in the proposal is balanced by one credit decrease in another course.

Results of Consultation:

a. List all parties consulted.

Skeffington Thomas, Chair, Department of Arts, College of Fine and Performing Art

**Mehta, Yusuf A.**

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**From:** Thomas, Skeffington N.  
**Sent:** Thursday, February 03, 2005 8:51 AM  
**To:** Mehta, Yusuf A.  
**Cc:** Cleary, Douglas B.; dussea@rowan.edu; Bowman, Susan A.; Brenits, Andrew R  
**Subject:** Re: Surveying and Engineering Graphics

Yusuf-

I consulted with my colleagues in the Art Department and all agreed there was no conflict with any courses we offer. "Surveying and Engineering Graphics" seems appropriate for including Autocad in the offering.

The Art Department includes logo design in the graphic design curriculum and, in the spirit of interdisciplinary interaction, our faculty would welcome the opportunity for the classes to view the projects from the other discipline.

If this is an idea that you would like to pursue, please let me know.

Skeff Thomas  
Chair, Department of Art

On 1/27/05 11:43 AM, "Mehta, Yusuf A." <mehta@rowan.edu> wrote:

- > Skeff,
- >
- > We plan to increase one credit in our sophomore level "Surveying and
- > Engineering Graphics" course to include AutoCad, the engineering
- > software that is extensively used in civil engineering applications.
  
- > Attached please find the proposal for the curricular change. Please
- > let me know if there is a conflict with the courses offered in your
- > department.
- >
- > Thank you
- >
- > Yusuf
- >

This form **MUST BE COMPLETED FOR NEW COURSE or PROGRAM PROPOSALS, and EXTENSIVE CHANGES TO A COURSE or PROGRAM.**

The purpose of this form is to provide a channel of communication between the Campbell Librarians and faculty when submitting new course or program proposals, or making extensive changes to existing courses or 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 new courses/programs, or extensive changes to same. The information will also provide the 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.

**Note:** Sponsor(s) complete parts A & B  
If assistance is required to complete, please notify the librarian liaison.  
Forward this form to the librarian who will complete parts C, D & E

**When form is completed, attach to the original curriculum proposal before submitting to the Senate office.**

A. College: Engineering

Department: Civil and Environmental Eng

Proposed by: Ralph Dusseau

Date: 9/8/2005

COURSE TITLE: Surveying and Engineering Graphics

Anticipated Date for Course/Program Offering:

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

NO ADDITIONAL RESOURCES 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 & recommendations:*

LIBRARIAN LIAISON: \_\_\_\_\_

Signature: \_\_\_\_\_

**Rowan University**  
Campbell Library

Library Resources Form

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

Proposed by: Dr. Ralph Dusseau

Program Title: Surveying and Engineering Graphics

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 58 books on the subject of surveying, including the Wiley Series on Construction Guides.

**List key periodical resources**

Campbell Library is fortunate to have access to online journal databases in a large number of academic subjects, including civil engineering, 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, including surveying. 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.

A handwritten signature in black ink, appearing to read 'Gregory C. Potter', written in a cursive style. The signature is positioned above a horizontal line.

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Gregory C. Potter  
Library Liaison

1/28/05

Dianne Dorland  
folder

**Mosto, Patricia**

**From:** Dorland, Dianne  
**Sent:** Friday, March 17, 2006 5:52 PM  
**To:** Mosto, Patricia  
**Subject:** Re: curriculum proposals

At Rowan University, adjunct funding has come from the Provost's Office. I support this curriculum proposal but am making it clear that the additional workload may require additional adjunct funding. As Dean of the College of Engineering, I will be glad to accept the responsibility for adjunct funding if you are now making adjunct funds available for Deans to allocate. I feel we must recognize that increased adjunct requests are equivalent to increased resource requests.

Please let me know if this clarifies my comments for this proposal or if I need to provide additional information.

Thanks,  
Dianne

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Dianne Dorland, Ph.D., P.E.  
Dean of Engineering  
Rowan University

On 3/17/06 9:20 AM, "Mosto, Patricia" <Mosto@rowan.edu> wrote:

Morning Dianne:

I am in the process of revising the curriculum proposals SCC-05-06-401 "Change in Number of Credits for Surveying and Engineering Graphics" and SCC-05-06-400 "Changes to the requirements for the degree of B.S. in Civil and Env. Engineering"

Below your signature in both proposals reads "requires adjunct support for additional workload". Please, could you clarify what that phrase means. Are you supporting the additional resources? Are there really new resources required for the SCC-05-06-400 "Changes to the requirements for the degree of B.S. in Civil and Env. Engineering" proposal? It is not clear that they are. Clarification is needed before I can move the proposals forward to Christy.

Thanks so much

Pat

Dr. Patricia Mosto  
Interim Associate Provost  
Academic Affairs  
Rowan University  
mosto@rowan.edu  
856-256-4012

"To live is so startling it leaves little time for anything else"