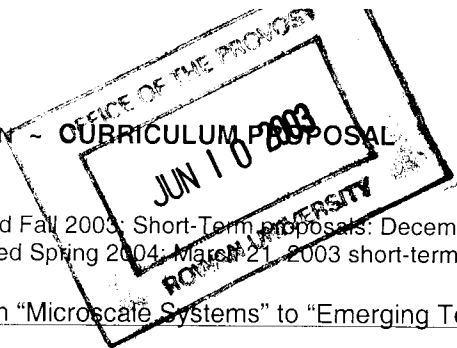


**PROCESS A** NON-GENERAL EDUCATION ~ CURRICULUM PROPOSAL

SCC #02-03- 407



**Deadlines:**

Regular proposals: October 18, 2002 to be implemented Fall 2003; Short-Term proposals: December 6, 2002 to be implemented Fall 2003  
Regular proposals: February 14, 2003 to be implemented Spring 2004; March 21, 2003 short-term courses to be implemented Spring 2004

**PROPOSAL TITLE:** Change Course Name from "Microscale Systems" to "Emerging Topics in Mechanical Engineering"

Sponsor(s): Clay Gabler E-Mail: gabler@rowan.edu Ext: 5346  
Eric Constans E-Mail: constans@rowan.edu Ext: 5349  
E-Mail: \_\_\_\_\_ Ext: \_\_\_\_\_

**DEPARTMENT:** Mechanical 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)
- 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: 2/14/03

Department Curriculum Chair: [Signature] Date: 2/11/2003

Academic Dean: [Signature] Date: 2/14/03

College Curriculum Chair: [Signature] Date: 5/5/03

College Curriculum Committee OPEN HEARING Date: 4/11/03 Approved  Not Approved

UNIVERSITY CURRICULUM COMMITTEE  
Senate Curriculum Chair Signature: [Signature] Date: 4/14/2003 Senate Announcement/Vote: 4/10/2003

Comments: \_\_\_\_\_  
**EXECUTIVE VICE PRESIDENT/PROVOST** Signature: [Signature] Date: 6/27/03

Approved ~ Not Approved due to the following:  Student Cr Hrs  Faculty Load Hrs  Equalized Cr Hrs

**REGISTRAR**

Date: \_\_\_\_\_ Course Description Received & Approved ~ Hegis Taxonomy & Course #: \_\_\_\_\_

Registrar Signature: [Signature] 7/3/03

**NOTIFICATION FORWARD**

SCC Chair  Academic Dean  Department Chair  Registrar  Sponsor(s)

# PROCESS A

## NON-GENERAL EDUCATION

Curriculum Proposals

- New non-general-education courses
- Short-term non-general-education courses
- Minor curricular changes (fewer than three) to:
  - a. existing non-general-education courses
  - b. non-General-Education degree requirements
  - c. majors
  - d. minors, specializations, concentrations, tracks, certificate programs

### ✓ CHECKLIST FOR ACCURATE FORMAT:

- \_\_\_\_\_ Check Correct Course Title
- \_\_\_\_\_ Correct Hegis Number
- \_\_\_\_\_ Letters of Consultation
- \_\_\_\_\_ New Course: Catalog Description on **separate page**
- \_\_\_\_\_ Changes to Programs: Attach new Advising Sheet (should show structure of program; **not** chronological order of classes taken)

### PROCEDURES:

- **Department Curriculum Chair** will review all proposals for completeness, necessary changes and/or additions;
- **Department Chair** will review all proposals for completeness, necessary changes and/or additions;
- **College Dean** will review all college curriculum proposals for completeness, necessary changes and/or additions.
- **College Curriculum Chair** will meet with *College Curriculum Committee* to review and discuss proposals for completeness, necessary changes and/or additions, attach original letters of recommendation and forward to;
- **Senate Curriculum Committee Chair** and announcement to Senate

**All Department signatures, College Curriculum Chair signature, and signature of the Dean must appear on the cover sheet.**

**THE ABOVE PROCESS MUST BE COMPLETE BEFORE SUBMITTING TO THE SENATE.**

**Submit ONLY the ORIGINAL PROPOSAL, COVER SHEET & ORIGINAL LETTERS to the Senate**

**SEND A DUPLICATE OF YOUR PROPOSAL via e-mail to: [curriculum@rowan.edu](mailto:curriculum@rowan.edu)**

**Please include: TITLE OF PROPOSAL**

Upon receipt of the original curriculum proposal in the senate office, it will be assigned a reference number for tracking throughout the processing stages. Copies sent via e-mail will be assigned the same reference number as the original hard copy for tracking.

Copies of the cover sheets will be available in the Senate office, or can be sent upon request via e-mail for download and printing.

Curriculum Proposals will be sent via e-mail for open hearings so recipients can print a hard copy.

Original copy of Curriculum Proposals will remain in the Senate office until sent to the Provost.

## ***Minor Curricular Change Proposal***

### **Proposal Title:**

Change Course Name from “Microscale Systems” to “Emerging Topics in Mechanical Engineering”

### **Details**

- a) Change course Name from “Microscale Systems” to “Emerging Topics in Mechanical Engineering” for (0910.403). Likewise, make this course name change in the degree requirements for Mechanical Engineering.
- b) Sponsors
  - Clay Gabler, Mechanical Engineering
  - Eric Constans, Mechanical Engineering

### **Rationale**

- a) Statement of ‘need’ for a change

The original intent of the Microscale Systems course was to serve as an introduction to emerging new areas of mechanical engineering. The course is offered to senior Mechanical Engineering students in their final semester. The current course title however describes only one of the emerging new directions in mechanical engineering. Other topics, which are described in the course catalog and are discussed in the course, include nanoscale systems, nanomachines, microscale manufacturing, and heat transfer at small length scales. The proposed course name change will better reflect the content of this course.

- b) Statements of Curricular Effect

The proposed change is only a course name change. The proposed change will require no additional resources and will have no impact on the number of semester hours required for graduation.

- c) Changes in requirements of Major or Minor.
  - From:  
“Microscale Systems”
  - To:  
“Emerging Topics in Mechanical Engineering”

## **Results of Consultation**

The proposed Minor Curricular change involves only changing the name of a course. As this change will not affect any other department or program, no letters of consultation were sought for this change.