

PROCESS A NON-GENERAL EDUCATION ~ CURRICULUM PROPOSAL

SCC #04-05- 418

WEBER, BRUCE, PRESIDENT, R20

Deadlines

October 8, 2004 to be implemented Fall 2004 ~ February 11, 2005 to be implemented Spring 2005

PROPOSAL TITLE: Change to Credit Hours, 0909.402 Topics in ECE

Sponsor(s): John L. Schmalzel E-Mail: schmalzel@rowan.edu EXT: 5332
Shreekanth Mandayam E-Mail: shreek@rowan.edu EXT: 5333

DEPARTMENT: Electrical & Computer 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: Dr. John L. Schmalzel Date: 2/14/05

Department Curriculum Chair: _____ Date: _____

Academic Dean: Deanne Dool Date: 2/14/05
revised on 2/11/05

COLLEGE CURRICULUM COMMITTEE

OPEN HEARING Date: 4/1/05 Approved Not Approved

COLLEGE CURRICULUM CHAIR: Ken S. Pohn

Senate Curriculum Chair Signature: [Signature] Date: 4/12/05

Comments: _____

EXECUTIVE VICE PRESIDENT/PROVOST Signature: [Signature] Date: 4/27/05

Approved Not Approved

Date: 5/3/05 Course Description Received & Approved - Reg's Taxonomy & Course # _____

Registrar Signature: [Signature]

NOTIFICATION FORWARD

- SCC Chair
- Academic Dean
- Department Chair
- Registrar
- IR
- OAP
- VP Student Affairs
- Others

Trans. 5-25-05

DB 4/27/05

Rowan University
Electrical & Computer Engineering

Minor Curricular Change Proposal – Change to Credit Hours, 0909.402 Topics in ECE

Details:

- a. Change Requested

Credit Hours

From: 0909.402, 3 s. h.

To: 0909.402, (1-3) s. h.

Course Description

No change.

- b. Sponsor(s)

John L. Schmalzel, Professor and Chair, Electrical & Computer Engineering
Shreekanth Mandayam, Curriculum Committee Chair, Electrical & Computer Engineering

Rationale

- a. Statements of "need" for such a change.

We need the flexibility to assign an appropriate number of credit hours to Special Topics courses. Among the motivations for this are:

1. There are 2-s.h. courses, which may benefit from expanding their content by 1-s.h. Availability of a 1-s.h. Topics in ECE course would support this.
2. The cost-benefit of some topics is insufficient to warrant a full, 2-s.h. or 3-s.h. Topics course. Availability of a 1-s.h. and 2-s.h. Topics in ECE course would allow configuring a course palette, which contains an optimum balance of time v. content.
3. Developing partnerships with regional agencies and businesses often emphasize the importance of short courses, many of which have a nominal course equivalent value of 1 s.h. Having a (1-3)-s.h. Having Topics courses available in a range of semester credit hours would provide for flexible adaptation to the needs of many of our regional stakeholders.
4. The proposed model offers the opportunity to partition and package Topics modules that can offer students more choices in a given semester than would be available from 3-s.h.-only electives, and it allows us to take advantage of a subject-matter expert who might well be available for four weeks, but could not be available for 14.

- b. Statements of curricular effect. How the change will impact on program, department and/or curricular design.

The proposed curriculum change will have an impact on the flexibility of the ECE program, making it better adaptable to on-campus and off-campus students. The delivery of upper-division elective content could benefit from the opportunity to develop a matrix of modules formatted in 1-s.h. or 2-s.h. courses instead of the 3-s.h. courses of the current curriculum.

Results of Consultation

- a. List all parties consulted.

No letters of consultation are solicited because no effect is foreseen on other departments or programs.