

PROCESS A NON-GENERAL EDUCATION - CURRICULUM PROPOSAL
ESAP/RETC/CFE FORM REQ. 830

SCC #04-05- 417

Deadlines

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

PROPOSAL TITLE: Change to Credit Hours, 0909.504 Topics in ECE

Sponsor(s): John L. Schmalzel E-Mail: schmalzel@rowan.edu Ext: 5332
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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 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

THE FOLLOWING SIGNATURES REPRESENT APPROVAL

Department Chair: Dr. John L. Schmalzel Date: 2/14/05
Department Curriculum Chair: [Signature] Date: _____
Academic Dean: [Signature] Date: 2/11/05

COLLEGE CURRICULUM COMMITTEE

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

COLLEGE CURRICULUM CHAIR [Signature]

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

Comments _____

EXECUTIVE VICE PRESIDENT/PROVOST Signature: [Signature] Date: 4/23/05

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 CAP
 VP Student Affairs Others

Transm. 5/25/05

**Rowan University
Electrical & Computer Engineering**

Minor Curricular Change Proposal – Change to Credit Hours, 0909.504 Topics in ECE

Details:

- a. Change Requested

Credit Hours

From: 0909.504, 3 s. h.

To: 0909.504, (1-3) s. h. *variable credit*

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. 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.
2. 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.
3. 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 courses, 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 graduate 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.