



PROPOSAL SCC #00/01-

410

CURRICULUM PROPOSAL FORM 2000-2001

NON-GENERAL EDUCATION PROCESS A

\*DEADLINES: Deadline dates for 2000/2001 submissions: Regular proposals: October 20, 2000 to be implemented in Fall 2001; Short-Term proposals: December 8, 2000 to be implemented in Fall, 2001; Regular proposals February 16, 2001 to be implemented in Spring 2002; March 23, 2001 for short-term courses to be implemented in Spring 2002

PROPOSAL TITLE: Special Topics in Electrical and Computer Engineering (0909 504)

SPONSOR(S): Ravi P. Ramachandran and John L. Schmalzel

DEPARTMENT: Electrical and Computer Engineering

COLLEGE: Engineering

IF LAS CHECK ONE: \_\_\_ History/Humanities \_\_\_ Math/Science \_\_\_ Social/Behavioral Sciences

Check one: \_\_\_ Undergraduate \_\_\_X\_\_\_ 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
\_X\_ Minor curricular changes (fewer than three) to:
\_X\_ existing non-gen-ed course
\_\_\_ non-gen-ed degree requirements
\_\_\_ major
\_\_\_ minor, specialization, concentration, track certificate program

DEPARTMENT

(Signature indicates approval)

Dept. Curriculum Chair/Date

Dept. Chairperson/Date

Handwritten signatures and dates: John Schmalzel, 13 Feb 2001

ACADEMIC DEAN

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

Dean's Signature/Date

Handwritten signature and date: Diane DeLoe, 2/15/01

**COLLEGE CURRICULUM COMMITTEE**

Date of open hearing (if necessary)  Approved \_\_\_\_\_ Not Approved \_\_\_\_\_

Comments:

Signature of College Chair/Date: Ravi Prakash Samachandran 03/14/01

**UNIVERSITY CURRICULUM COMMITTEE**

Date Received/Processed 6/4/01

Comments:

Curriculum Chair Signature: [Signature] Date Announced At Senate 6/4/01

**EXECUTIVE VICE PRESIDENT/PROVOST**

Approved  Not Approved \_\_\_\_\_ If no, reasons are as follows:

Student Credit Hours: \_\_\_\_\_ Faculty Load Hours: \_\_\_\_\_ Equalized Credit Hours \_\_\_\_\_

Official Copy & Approval Sheet Filed (Date): \_\_\_\_\_ Executive VP/Provost Signature/Date: [Signature] 6/4/01

**REGISTRAR**

Date Approved Course Description Required \_\_\_\_\_

Hegis Taxonomy & Course Number Assigned \_\_\_\_\_

Registrar Signature/Date: [Signature] 6/25/01

**NOTIFICATION FORWARD**

Senate Curriculum Committee Chairperson  Academic Dean(s) 8/22/01

Department Chairpersons  Registrar Sponsor(s)

## Course Proposal

### 1. Details:

- a) Course Title: Special Topics in Electrical and Computer Engineering (0909.504)
- b) Sponsor: Dr. Ravi P. Ramachandran, Dr. John L. Schmalzel and Electrical Engineering Curriculum Committee
- c) Credit Hours: 3 credit hours
- d) Course Level: Graduate
- e) Curricular Effect: Elective course for graduate students
- f) Prerequisites: Permission of Instructor
- g) Suggested Time/  
Scale of Implementation: Spring 2002  
One section
- h) Resources: No impact; existing resources are sufficient
- i) Library Resources: No impact; existing resources are sufficient

### 2. Rationale:

This course is used to provide the Department with the flexibility to arrange a focus topic(s) of study not otherwise available in their program. This experience will be formulated in a manner that enhances the student's educational experience. The minor curricular change is to give a more detailed catalog description.

**Catalog Description:**

**Special Topics in Electrical and Computer Engineering (0909.504)**

*Prerequisites: Permission of Instructor*

This course covers special topics in individual areas of Electrical and Computer Engineering. Specific prerequisites are determined by the nature of the course when it is announced. Examples of topics include: Instrumentation, Biomedical Engineering, Nondestructive Testing and Evaluation, Fiber Optics, High Frequency Electronics, Wireless Communications, Internet Technology, Advanced Digital Design, Advanced Computer Architecture, Advanced and Multidimensional Digital Signal Processing, Nonlinear Control, Stochastic Systems and Control, Artificial Intelligence, Robotics and Multimedia Communication.