

CURRICULUM PROPOSAL FORM

432

(R)

***DEADLINES:**

REGULAR COURSE PROPOSALS: OCTOBER 23, 1998 FOR FALL, 1999 AND FEBRUARY 19, 1999 FOR SPRING, 2000
SHORT-TERM COURSE PROPOSALS: DECEMBER 11, 1998 FOR FALL, 1999 AND MARCH 26, 1998 FOR SPRING 2000

PROPOSAL TITLE: ~~CLINIC CONSULTANT~~ → ELECTRICAL ENGINEERING CLINIC CONSULTANT

SPONSOR/S: Dr. JOHN L. SCHMALZEL

DEPARTMENT: ELECTRICAL ENGINEERING

C909.400

CHECK ALL THAT APPLY:

UNDERGRADUATE GRADUATE

COLLEGE: ENGINEERING

If LAS: History/Humanities
 Math/Sciences
 Social/Behavioral Sciences

TYPE OF PROPOSAL (Check ALL that Apply)

<input type="checkbox"/> General Education	<input checked="" type="checkbox"/> New Course (NOT Gen. Ed.)
<input type="checkbox"/> New Course in _____ Bank	<input type="checkbox"/> Name Change (Dept., School, Major)
<input type="checkbox"/> Existing course, Add To _____ Bank	<input type="checkbox"/> Changes in Degree Requirements
<input type="checkbox"/> Multicultural/Global Designation	<input type="checkbox"/> Changes Involve Gen. Ed. requirements
<input type="checkbox"/> Writing Intensive Designation	<input type="checkbox"/> Minor Changes to Existing Courses
<input type="checkbox"/> New Minor/Concentration/Specialization	<input type="checkbox"/> Course is NOT General Education
<input type="checkbox"/> New Major/Degree Program	<input type="checkbox"/> Course IS General Education
<input type="checkbox"/> Short Term Course Proposal	

DEPARTMENT

(SIGNATURE INDICATES APPROVAL)

Ravi Prasad Ramachandra 10/23/98
DEPT. CURRICULUM CHAIR / DATE

John Schmalzel 210cx88
DEPT. CHAIRPERSON / DATE

COLLEGE CURRICULUM COMMITTEE

DATE OF OPEN HEARING (if necessary) _____

APPROVED
 NOT APPROVED
COMMENTS:

Robert P. Hesketh 11/5/98
SIGNATURE DATE

ACADEMIC DEAN (& GRADUATE DEAN, for New Graduate Programs Only)

APPROVED
 NOT APPROVED
COMMENTS:

Steven Chen 23 Oct 98
SIGNATURE (Academic Dean) DATE

SIGNATURE (Graduate Dean) DATE

UNIVERSITY CURRICULUM COMMITTEE

DATE OF OPEN HEARING (if necessary) College level only

APPROVED

NOT APPROVED

COMMENTS:

Transmittal Review 1/20/98
SIGNATURE DATE

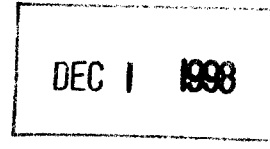
SENATE

Date announced at Senate 11/2/98

Voted upon at Senate: Approved Not Approved Date:

EXECUTIVE VICE PRESIDENT/PROVOST

OFFICE OF THE PROVOST



ROWAN UNIVERSITY

APPROVED

NOT APPROVED If no, reasons are as follows:

STUDENT CREDIT HOURS _____ FACULTY LOAD HOURS _____ EQUALIZED CREDIT HOURS _____

OFFICIAL COPY & APPROVAL SHEET FILED (DATE): _____

DATE/SIGNATURE EXECUTIVE VICE PRESIDENT/PROVOST [Signature]

REGISTRAR

DATE APPROVED COURSE DESCRIPTION RECEIVED _____

HEGIS TAXONOMY & COURSE NUMBER ASSIGNED 2709, 400

DATE/SIGNATURE OF REGISTRAR Robert A. Lubat 12/10/98

NOTIFICATION FORWARD:

SENATE CURRICULUM COMMITTEE CHAIRPERSON

DEPARTMENT CHAIRPERSONS

ACADEMIC DEAN(S)

REGISTRAR

SPONSOR(S)

Transmittal 1/10/99

1. Details:

- a) Course Title: Electrical Engineering Clinic Consultant (0909.400)
- b) Sponsor: Dr. John L. Schmalzel, Electrical Engineering and Electrical Engineering Curriculum Committee
- c) Credit Hours: 1 credit hour
- d) Course Level: Junior or Senior
- e) Curricular Effect: Required course for electrical engineering majors
- f) Prerequisites: Sophomore Engineering Clinic II (0901 202)
- g) Suggested Time/
Scale of Implementation: Fall 1999
One section and one section per semester thereafter.
- h) Resources: Faculty will be hired and laboratory equipment obtained consistent with College of Engineering multi-year budget. Library acquisitions will be required.

2. Rationale:

The proposed course is a revision to part of the Engineering Curriculum Proposal approved by the College Senate in December, 1994. The proposed course is consistent with the establishment of the School of Engineering approved by the Board of Trustees in February, 1995.

The engineering clinic component of the Rowan engineering programs provides a unique way to deliver progressive design experiences in a multidisciplinary, project-oriented environment. It has proven to be a successful part of the program and plays a substantial role in meeting the overall college goals. However, the number of total hours reflected by the clinic portion of the curricula was reduced in order to meet other program goals. In the case of electrical engineering, the engineering clinic meets many of our program goals, so a reduction in hours is not desirable. The “Clinic Consultant” provides a mechanism for allowing our students to obtain additional clinic experience by serving in the capacity of project consultant. A secondary objective— and benefit— of this structure is to provide additional breadth of

experience. Note that a consultant can serve in this role at any level in the curriculum.

3. Essence of the Course:

a) Objectives:

The proposed course seeks to:

- (i) Provide additional project and/or topic experience in a multidisciplinary team environment.
- (ii) Increase a student's practical competency in core electrical and computer engineering subjects by providing additional application opportunities in a project setting.
- (iii) Provide expanded breadth of exposure by participating in design projects for which the consultant's profession and skill representation are in the minority.

b) Topical Outline:

- Content varies by project. However, the management of the projects will be under the direction of a designated "discipline manager" (DM) who will coordinate the assignment

c) Evaluation and Grading Procedures:

Student grades will be based on project work and written and oral technical communication. The DM will coordinate all student activities in a matrix organization fashion. Students will conduct work under the general direction of the Project Manager (PM) for a project, but will have work outlined and guided by the DM. This is a typical model used in industry which have employees assigned to a project, but yet who continue to report to the owning department. This structure provides for project support in a multidisciplinary project, and it allows the professional progress of the student to be monitored by faculty within the discipline.

d) Course Evaluation:

The proposed course will be evaluated based on student evaluations and critical review by engineering faculty.

e) Texts:

None.

4. Results of Consultations:

a) Consulted Departments: None.

b) Consultants and Consultant Statements: N/A

c) Written Consultations:

5. Additional Supporting Information: N/A

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6. Catalog Description:

Electrical Engineering Clinic Consultant (0909.400): 1 credit

This course provides an opportunity for consulting work in support of a multidisciplinary clinic project. Work will be managed by the discipline manager.

Prerequisite of Sophomore Clinic II (0901 202) required.

Fill - up Proposal

Wiest, Rosemarie

From: Kessel, Steven J.
Sent: Tuesday, September 06, 2005 10:22 AM
To: Wiest, Rosemarie
Subject: RE:

99-432

Sorry, I guess the attachment didn't forward! Steve Chin asked that course 0909400, Elec Eng Clinic Consultant, which is a 1 credit course that can be repeated up to 4 times, be coded such that students can take it twice within one semester. I've coded it that way now. Sorry for the mystery! -sk

From: Wiest, Rosemarie
Sent: Tuesday, September 06, 2005 10:06 AM
To: Kessel, Steven J.
Subject: RE:

Ok I give up.... what are you talking about here? Let me know if you need something asap.... roe

Rosemarie Wiest
Provost Office
Bole Hall
856-256-4108

From: Kessel, Steven J.
Sent: Tuesday, September 06, 2005 9:03 AM
To: Chin, Steven
Cc: Wiest, Rosemarie
Subject: RE:

Steve, that's taken care of. I'm copying the Provost's office, for their records. -Steve Kessel

From: Chin, Steven
Sent: Tuesday, September 06, 2005 8:59 AM
To: Previti, Diane
Cc: Kessel, Steven J.
Subject:

Diane,

I am having the attached memo, which I signed, being walked over to you this morning. Can you let me know when it's been set up, so that I can process a student in this regard?

Thanks,

Steve