

REQUEST FOR NEW COURSE

1. General Information.

- a. Submitted by the College of: Engineering Today's Date: Oct. 20, 2009
- b. Department/Division: Electrical and Computer Engineering
- c. Contact person name: Stephen D. Gedney Email: gedney@engr.uky.edu Phone: 7-3926
u
- d. Requested Effective Date: Semester following approval OR Specific Term/Year¹: _____

2. Designation and Description of Proposed Course.

- a. Prefix and Number: EE 790
- b. Full Title: Research in Electrical Engineering
- c. Transcript Title (if full title is more than 40 characters): Research in Electrical Engineering
- d. To be Cross-Listed² with (Prefix and Number): _____
- e. Courses must be described by at least one of the meeting patterns below. Include number of actual contact hours³ for each meeting pattern type.

_____ Lecture _____ Laboratory¹ _____ Recitation _____ Discussion XX Indep. Study

_____ Clinical _____ Colloquium _____ Practicum _____ Research _____ Residency

_____ Seminar _____ Studio _____ Other – Please explain: _____

- f. Identify a grading system: Letter (A, B, C, etc.) Pass/Fail
- g. Number of credits: 1 - 9
- h. Is this course repeatable for additional credit? YES NO
If YES: Maximum number of credit hours: 18
If YES: Will this course allow multiple registrations during the same semester? YES NO
- i. Course Description for Bulletin: Research in any field of electrical and/or computer engineering subject to approval of the director of Graduate Studies. This course can be taken prior to _____

¹ Courses are typically made effective for the semester following approval. No course will be made effective until all approvals are received.

² The chair of the cross-listing department must sign off on the Signature Routing Log.

³ In general, undergraduate courses are developed on the principle that one semester hour of credit represents one hour of classroom meeting per week for a semester, exclusive of any laboratory meeting. Laboratory meeting, generally, represents at least two hours per week for a semester for one credit hour. (from SR 5.2.1)

REQUEST FOR NEW COURSE

the qualifying examination, but will not count for pre-qualifying examination residency credit. This course may be repeated to a maximum of 18 credit hours.

j. Prerequisites, if any: Consent of DGS

k. Will this course also be offered through Distance Learning? YES⁴ NO

l. Supplementary teaching component, if any: Community-Based Experience Service Learning Both

3. Will this course be taught off campus? YES NO

4. Frequency of Course Offering.

a. Course will be offered (check all that apply): Fall Spring Summer

b. Will the course be offered every year? YES NO

If NO, explain: _____

5. Are facilities and personnel necessary for the proposed new course available? YES NO

If NO, explain: _____

6. What enrollment (per section per semester) may reasonably be expected? 10

7. Anticipated Student Demand.

a. Will this course serve students primarily within the degree program? YES NO

b. Will it be of interest to a significant number of students outside the degree pgm? YES NO

If YES, explain: _____

8. Check the category most applicable to this course:

Traditional – Offered in Corresponding Departments at Universities Elsewhere

Relatively New – Now Being Widely Established

Not Yet Found in Many (or Any) Other Universities

9. Course Relationship to Program(s).

a. Is this course part of a proposed new program? YES NO

If YES, name the proposed new program: _____

b. Will this course be a new requirement⁵ for ANY program? YES NO

If YES⁵, list affected programs: _____

10. Information to be Placed on Syllabus.

a. Is the course 400G or 500? YES NO

If YES, the *differentiation for undergraduate and graduate students must be included* in the information required in **10.b**. You must include: (i) identification of additional assignments by the graduate students; and/or (ii) establishment of different grading criteria in the course for graduate students. (See SR 3.1.4.)

⁴ You must *also* submit the Distance Learning Form in order for the proposed course to be considered for DL delivery.

⁵ In order to change a program, a program change form must also be submitted.

REQUEST FOR NEW COURSE

- b. The syllabus, including course description, student learning outcomes, and grading policies (and 400G-/500-level grading differentiation if applicable, from **10.a** above) are attached.

REQUEST FOR NEW COURSE

Signature Routing Log

General Information:

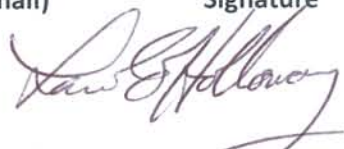

Course Prefix and Number: EE 790

Proposal Contact Person Name: Stephen Gedney Phone: 7-3926 Email: gedney@enr.uky.edu

INSTRUCTIONS:

Identify the groups or individuals reviewing the proposal; note the date of approval; offer a contact person for each entry; and obtain signature of person authorized to report approval.

Internal College Approvals and Course Cross-listing Approvals:

Reviewing Group	Date Approved	Contact Person (name/phone/email)	Signature
Department of Electrical & Computer Engineering Faculty	11/23/2009	Larry Holloway / 323-8523 / holloway@enr.uky.edu	
College of Engineering Faculty	03/26/10	RICHARD J. SWEIGARD / 7-1064 / rsweigard@enr.uky.edu	
		/ /	
		/ /	
		/ /	

External-to-College Approvals:

Council	Date Approved	Signature	Approval of Revision ⁶
Undergraduate Council			
Graduate Council			
Health Care Colleges Council			
Senate Council Approval		University Senate Approval	

Comments:

⁶ Councils use this space to indicate approval of revisions made subsequent to that council's approval, if deemed necessary by the revising council.

EE 790 Syllabus

Research in Electrical and Computer Engineering

Instructor: Prof. Stephen Gedney
Director of Graduate Studies
Dept. of Electrical Engineering
453 F. P. Anderson Tower
E-mail: gedney@engr.uky.edu
web: <http://www.engr.uky.edu/~gedney/DGS/>

EE790: Course Description: Research in any field of electrical and/or computer engineering subject to approval of the student's PhD advisor and the director of Graduate Studies. This course can be taken prior to the qualifying examination, but will not count for pre-qualifying examination residency credit. This course may be repeated to a maximum of 18 credit hours. A student can take 1 – 9 hours of EE 790 credit per semester.

Prerequisite: Registration for this class can be done via application to the DGS only. To register you must be a PhD student who has either completed pre-qualifying course requirements, or who is in the last semester of completing pre-qualifying course requirements.

Course Requirements: The student must attend at least four official ECE Seminars (or all of the ECE Seminars if less than four seminars were offered) during the course of the semester. *OR*, the student can give a one-hour presentation for the ECE seminar (must receive approval from the ECE Seminar director) and attend one additional seminar. The student must also prepare and turn in to the DGS the current draft of their PhD qualifying exam proposal. Note that the proposal does not have to be completed, however, the student should show progress in the proposal during the course of the semester. The amount of progress should be proportional to the number of hours the student is registered for in EE 790. The submitted proposal draft must be signed and dated by the student and the student's PhD advisor.

Grading: The student will receive 12.5 points per seminar attended and 37.5 points for presenting a seminar (A maximum of 50 points for seminars will be allotted). The qualifying exam proposal draft is worth a maximum of 50 points.

Final Grade: A letter grade will be assigned for this course. The following point distribution will be used to determine the grade: 90+ (A), 80 – 89 (B), 70 – 79 (C), < 70 (E).