

# 2014-2015 SHORT SIGNATURE SHEET



UNC CHARLOTTE

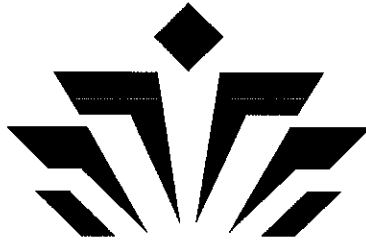
Date: 16 September 2014

Subject: Modifications to ECGR 5261 Catalog Description

Originating Department: Electrical and Computer Engineering

TYPE OF PROPOSAL: UNDERGRADUATE \_\_\_\_\_ GRADUATE \_\_\_\_\_ UNDERGRADUATE & GRADUATE X  
 (Separate proposals sent to UCCC and Grad. Council)

DATE RECEIVED	DATE FORWARDED	COMMENTS: APPROVED, APPROVED WITH REVISIONS, ETC.	SIGNATURES
	9/17/2014		<b>PERSON ORIGINATING PROPOSAL</b> Ryan Adams <i>Ryan Adams</i> [print name here:]
		Approved	<b>DEPARTMENT CHAIR</b> Asis Nasipuri 9/29/14 [print name here:] ASIS NASIPURI
		Approved	<b>COLLEGE CURRICULUM COMMITTEE CHAIR</b> Tao Hong 11/10/2014 [print name here:] TAO HONG
11/11/14	11/11/14	Approved	<b>COLLEGE DEAN</b> [Signature] [print name here:]
		Approved	<b>GENERAL EDUCATION</b> (if applicable; for General Education courses only) [print name here:]
		Approved	<b>HONORS COLLEGE</b> (if applicable; for Honors courses & programs) [print name here:]
		Approved	<b>UNDERGRADUATE COURSE &amp; CURRICULUM COMMITTEE CHAIR</b> (for undergraduate courses only)
		Approved	<b>GRADUATE COUNCIL CHAIR</b> (for graduate courses only)
			<b>FACULTY GOVERNANCE ASSISTANT</b> (received and processed in Academic Affairs)



# UNC CHARLOTTE

## SHORT FORM COURSE AND CURRICULUM PROPOSAL

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\*To: Dr. Edward Morse

From: Dr. Ryan Adams

Date: 16 September 2014

Re: ECGR 5261 Catalog Entry Modifications

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### SUMMARY:

The current course description for ECGR 5261 in the catalog does not align with the material that is currently taught in the course. A change of pre-requisites and editorial changes to the catalog entry is necessary.

### FOR CONSULTATION WITH OTHER DEPARTMENTS:

1. Does the proposed change affect other departments (including additions and/or changes to degree requirements or prerequisites offered in other departments)?

\_\_\_\_\_ Yes     No

2. If Yes, please list the other departments affected by the proposed change:

3. Have you consulted with each department listed in item 2 regarding the proposed change?

\_\_\_\_\_ Yes    \_\_\_\_\_ No

Result(s) of Consultation(s) (please attach documentation):

4. For a new course or for major modification of an existing course, include Consultation on Library Holdings.
5. For proposals involving Honors courses or programs, include written consultation with the Honors Council.

**RESOURCES:**

1. For a new course or revisions to an existing course, check all the statements that apply:
  - This course will be cross listed with another course.
  - There are prerequisites for this course.
  - There are co-requisites for this course.
  - This course is repeatable for credit.
  - This course will affect the number of credits hours for its program.
  - This proposal results in the deletion of an existing course(s) from the degree program and/or catalog.
  - This proposal will alter an agreement with a North Carolina community college.

For all items checked above, applicable statements and content must be reflected in the proposed catalog copy.

2. Indicate the additional resources required, if any, to implement and maintain the proposed change.

**CREDIT HOUR (Mandatory if new and/or revised course in proposal):**

Review statement and check box once completed.

- The appropriate faculty committee has reviewed the course outline/syllabus and has determined that the assignments are sufficient to meet the University definition of a credit hour.

**PROPOSED CATALOG COPY:** For existing courses copy and paste the current catalog copy and use the Microsoft Word "track changes" feature (or use red text with "strikethrough" formatting for text to be deleted, and adding blue text with "underline" formatting for text to be added). For new courses, draft comprehensive catalog copy.

**ECGR 5261. Microwave Circuit Design I. (3)** Prerequisite: ECGR ~~31223434~~ or equivalent, or permission of department. Design and analysis of microwave devices and circuits; Telegrapher's and wave equations; physical transmission lines; circuit analysis techniques; impedance matching techniques; Wilkinson power dividers, hybrid couplers, transformers, and filters, including microwave aspects of discrete active (i.e., field effect and bipolar transistors, etc.) and passive (i.e., microstrips, inductors, capacitors) components; device parameter extraction, using computer aided design (CAD)

~~tools.~~ Credit will not be given for ECGR 5261 where credit has been given for ECGR 4261 (Fall)

**ACADEMIC PLAN OF STUDY (UNDERGRADUATE ONLY):** Does the proposed change impact an existing Academic Plan of Study?

- Yes. If yes, please provide updated Academic Plan of Study in template format.  
 No.

**STUDENT LEARNING OUTCOMES (UNDERGRADUATE & GRADUATE):** Does this course or curricular change require a change in SLOs or assessment for the degree program?

- Yes. If yes, please provide updated SLOs in template format.  
 No.

**TEXTBOOK COSTS:** It is the policy of the Board of Governors to reduce textbook costs for students whenever possible. Have electronic textbooks, textbook rentals, or the buyback program been considered and adopted?

- Yes. Briefly explain below.  
 No. Briefly explain below.

No credible electronic textbooks exists for this course.

**IMPORTANT NOTE:** A Microsoft Word version of the final course and curriculum proposal should be sent to [facultygovernance@uncc.edu](mailto:facultygovernance@uncc.edu) upon approval by the Undergraduate Course and Curriculum Committee and/or Graduate Council chair.