

FLORIDA ATLANTIC UNIVERSITY™

Undergraduate Programs—NEW COURSE PROPOSAL ¹

UUPC APPROVAL _____
 UFS APPROVAL _____
 SCNS SUBMITTAL _____
 CONFIRMED _____
 BANNER POSTED _____
 CATALOG _____

DEPARTMENT: CEECS

COLLEGE: ENGINEERING AND COMPUTER SCIENCE

RECOMMENDED COURSE IDENTIFICATION:

PREFIX EEL COURSE NUMBER 4364 LAB CODE (L or C) C

(TO OBTAIN A COURSE NUMBER, CONTACT RSHIMAN@FAU.EDU)

COMPLETE COURSE TITLE: HIGH FREQUENCY AMPLIFIER DESIGN

EFFECTIVE DATE

(first term course will be offered)

FALL 2013

CREDITS: ² 3

TEXTBOOK INFORMATION: *Microwave Transistor Amplifiers*, 2nd ed., G. Gonzalez, Prentice Hall, 1997

GRADING (SELECT ONLY ONE GRADING OPTION): REGULAR PASS/FAIL _____ SATISFACTORY/UNSATISFACTORY _____

COURSE DESCRIPTION, NO MORE THAN THREE LINES: Scattering parameters, matching networks and the Smith chart, amplifier stability considerations, amplifier design to meet various criteria, low noise, broadband, high power amplifier design, RF oscillator design, CAD design techniques.

PREREQUISITES W/MINIMUM GRADE*:

EEL 3470, EEE 3300

COREQUISITES*:

REGISTRATION CONTROLS (MAJOR, COLLEGE, LEVEL)*:

*DEFAULT MINIMUM PASSING GRADE IS D-. PREREQUISITES, COREQUISITES AND REGISTRATION CONTROLS WILL BE ENFORCED FOR ALL COURSE SECTIONS.

MINIMUM QUALIFICATIONS NEEDED TO TEACH THIS COURSE: PH.D. IN THE TECHNICAL FIELD

WAC/GORDON RULE COURSE ³

YES _____ NO

WAC/Gordon Rule criteria must be indicated in syllabus. Guidelines: www.fau.edu/WAC

GENERAL EDUCATION REQUIREMENT (MARK X IN FRONT OF SELECTION): ⁴

Written Communication Society/Human Behavior
 Mathematics/Quant. Reas. Global Citizenship
 Science/Natural World Creative Expression

Must attach the appropriate General Education Course Approval Request: www.fau.edu/deanugstudies/GeneralEdCourseApprovalRequests.php

Faculty contact, email and complete phone number:
Jonathan Bagby, bagby@fau.edu, 561.297.3462

Please consult and list departments that might be affected by the new course and attach comments. NA ⁵

Approved by:

Department Chair: *Provo*

College Curriculum Chair: *[Signature]*

College Dean: *[Signature]*

UUPC Chair: *[Signature]*

Undergraduate Studies Dean: *[Signature]*

UFS President: _____

Provost: _____

Date:

4/18/13

4/18/13

4/19/2013

4/19/13

4/19/13

1. Syllabus must be attached; syllabus checklist recommended; see guidelines and checklist: www.fau.edu/academic/registrar/UUPCinfo

2. Review Provost Memorandum: Definition of a Credit Hour www.fau.edu/provost/files/Definition_Credit_Hour_Memo_2012.pdf

3. WAC approval (attach if necessary)

4. Gen. Ed. approval (attach if necessary)

5. Consent of affected departments (attach if necessary)

Email this form and syllabus to mjennning@fau.edu seven business days before the University Undergraduate Programs Committee meeting so that materials may be viewed on the UUPC website prior to the meeting.