

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 4436 LAB CODE (L or C) C

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

COMPLETE COURSE TITLE: MICROWAVE ENGINEERING

EFFECTIVE DATE

(first term course will be offered)

FALL 2013

CREDITS: 3²

TEXTBOOK INFORMATION: *MICROWAVE ENGINEERING*, 4TH ED., D. M. POZAR, WILEY, 2012

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

COURSE DESCRIPTION, NO MORE THAN THREE LINES: Review of electromagnetics, transmission lines, waveguides, microwave network analysis, impedance matching and tuning, microwave resonators, microwave power dividers, couplers and filters, microwave oscillators and mixers, 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: _____

College Curriculum Chair: _____

College Dean: _____

UUPC Chair: _____

Undergraduate Studies Dean: _____

UFS President: _____

Provost: _____

Date: 4/18/13
4/18/13
4/19/13
4/12/13
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 mjenning@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.