# Undergraduate Programs—NEW COURSE PROPOSAL

## Department: CEECS

### Recommended Course Identification:
- **Prefix**: EEL
- **Course Number**: 4436
- **Lab Code** (L or C): C

*TO OBTAIN A COURSE NUMBER, CONTACT bshiman@fau.edu*

### Complete Course Title: Microwave Engineering

### Credits: 3


### Grading (Select only one grading option): Regular X 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 with 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

**YES X NO**

WAC/Gordon Rule criteria must be indicated in syllabus. Guidelines: [www.fau.edu/WAC](http://www.fau.edu/WAC)

### General Education Requirement (Mark X in front of selection):
- ___ 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/deanwsstudies/GeneralEdCourseApprovalRequests.php](http://www.fau.edu/deanwsstudies/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

### Approved by:

**Date:** 4/18/13

**4/18/13**

**4/19/13**

**4/19/13**

**4/19/13**

1. Syllabus must be attached; syllabus checklist recommended; see guidelines and checklist: [www.fau.edu/academic/registr/uupecinfo](http://www.fau.edu/academic/registr/uupecinfo)


3. WAC approval (attach if necessary)

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

5. Consent of affected departments (attach if necessary)

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Email this form and syllabus to miennings@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.

FUnewcourseUG—Revised September 2012