**FLORIDA ATLANTIC UNIVERSITY**

Undergraduate Programs—**NEW COURSE PROPOSAL**

<table>
<thead>
<tr>
<th>DEPARTMENT: COMPUTER &amp; ELECTRICAL AND COMPUTER ENGINEERING</th>
<th>COLLEGE: COLLEGE OF ENGINEERING AND COMPUTER SCIENCE</th>
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</thead>
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**RECOMMENDED COURSE IDENTIFICATION:**

**PREFIX** EEL **COURSE NUMBER** 4283 **LAB CODE (L or C)** C  

(TO OBTAIN A COURSE NUMBER, CONTACT mjennings@fau.edu)

**COMPLETE COURSE TITLE:** RENEWABLE ENERGY SYSTEMS

**CREDITS:** 3  

**TEXTBOOK INFORMATION:** Renewable and Efficient Electric Power Systems, Gilbert M. Masters, Wiley [Second Edition], 2013

**EFFECTIVE DATE**  
(first term course will be offered)  
SPRING 2015

**GRADING (SELECT ONLY ONE GRADING OPTION):**  
REGULAR X PASS/Fail Satisfactory/Unsatisfactory

**COURSE DESCRIPTION, NO MORE THAN THREE LINES:**

INTRODUCTION TO THE THEORIES AND APPLICATIONS OF THE RENEWABLE ENERGY SYSTEMS. TOPICS WILL INCLUDE BASIC DESIGNS OF SOLAR SYSTEMS AND WIND SYSTEMS.

**PREREQUISITES W/MINIMUM GRADE:**

EEE 3300 – Electronics 1 / C or better  
EEL 3112 - Circuits 2 / C or better

**COREQUISITES:**


**REGISTRATION CONTROLS (MAJOR, COLLEGE, LEVEL):**

**MINIMUM QUALIFICATIONS NEEDED TO TEACH THIS COURSE:**

**WAC/GORDON RULE COURSE**

YES X NO

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

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

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

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

Faculty contact, email and complete phone number: Vichate Ungvichian, P.E., Ungvich@fau.edu  
561-297-3465

Please consult and list departments that might be affected by the new course and attach comments. N/A

**Approved by:**

Department Chair: [Signature]  
College Curriculum Chair:  
College Dean:  
UUPC Chair:  
Undergraduate Studies Dean:  
UFS President:  
Provost:  

**Date:** 4/1/14

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

FAUnewcrseUG—Revised September 2013