



**FLORIDA  
ATLANTIC  
UNIVERSITY**

**NEW COURSE PROPOSAL  
Undergraduate Programs**

**Department** Ocean & Mechanical Engineering

**College** Engineering & Computer Science  
(To obtain a course number, contact [erudolph@fau.edu](mailto:erudolph@fau.edu))

UUPC Approval 11/14/16  
 UFS Approval \_\_\_\_\_  
 SCNS Submittal \_\_\_\_\_  
 Confirmed \_\_\_\_\_  
 Banner Posted \_\_\_\_\_  
 Catalog \_\_\_\_\_

**Prefix** EGN  
**Number** 4377C

(L = Lab Course; C = Combined Lecture/Lab; add if appropriate)  
**Lab Code** C

**Course Title**  
Innovative Sensing and Actuation Technologies

**Credits** (Review Provost Memorandum)  
3

**Grading** (Select One Option)  
**Regular** x

**Course Description** (Syllabus must be attached; Syllabus Checklist recommended; see Guidelines)

Introduction to innovative technology in sensing and actuation through a series of modules each comprising lectures, seminar and laboratory.

**Effective Date** (TERM & YEAR)  
FALL 2017

**Pass/Fail**  
**Sat/UnSat**

**Prerequisites, with minimum grade\***  
 1. Electro-Mechanical Devices – EGM4045 or Introduction to Electronics & Programming (EOC4612C)  
 2. OE Lab – EOC 3130L or ME Lab – EML 4730L  
 (all with a minimum grade of C)

**Corequisites**

**Registration Controls** (Major, College, Level)

*\*Default minimum passing grade is D-. Prereqs., Coreqs. & Reg. Controls are enforced for all sections of course*

**WAC/Gordon Rule Course**  
 Yes No x  
 WAC/Gordon Rule criteria must be indicated in syllabus and approval attached to proposal. See [WAC Guidelines](#).

**General Education Requirement** (Select One Option)  
 Written Communication Society/Human Behavior  
 Math/Quantitative Reasoning Global Citizenship  
 Science/Natural World Humanities  
 General Education criteria must be indicated in the syllabus and approval attached to the proposal. See [GE Guidelines](#).

**Min. qualifications to teach course**  
PhD in Engineering

**List textbook information in syllabus or here**  
None

**Faculty Contact/Email/Phone**  
Dr. Edgar An/pan@fau.edu/7-2792

**List/Attach comments from departments affected by new course**

**Approved by**  
 Department Chair \_\_\_\_\_  
 College Curriculum Chair \_\_\_\_\_  
 College Dean \_\_\_\_\_  
 UUPC Chair \_\_\_\_\_  
 Undergraduate Studies Dean \_\_\_\_\_  
 UFS President \_\_\_\_\_  
 Provost \_\_\_\_\_

**Date**  
 11-14-16  
 11-14-16  
 11/14/16  
 11/14/16  
 11/15/16