

# FLORIDA ATLANTIC UNIVERSITY™

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 CATALOG \_\_\_\_\_

## Undergraduate Programs—NEW COURSE PROPOSAL <sup>1</sup>

DEPARTMENT: **CEECs** COLLEGE: **ENGINEERING AND COMPUTER SCIENCE**

**RECOMMENDED COURSE IDENTIFICATION:**  
 PREFIX EGN COURSE NUMBER 1213 LAB CODE (L or C) \_\_\_\_\_  
 (TO OBTAIN A COURSE NUMBER, CONTACT [RSHIMAN@FAU.EDU](mailto:RSHIMAN@FAU.EDU))  
 COMPLETE COURSE TITLE: **SMART PHONE APPLICATIONS**

**EFFECTIVE DATE**  
 (first term course will be offered)  
 \_\_\_\_\_  
 SPRING 2014

**CREDITS:** <sup>2</sup> 3

**TEXTBOOK INFORMATION:**  
 (1) Deitel, P., Deitel, H., Deitel, A., and Morgano, M., Android for Programmers – An App-Driven Approach, Prentice Hall, Upper Saddle River, NY, 2012, ISBN: 10-0-13-212136-0.  
 (2) Wolber, D., et al., App Inventor: Create Your Own Android Apps, O'Reilly Media; 1 edition (May 10, 2011), ISBN-10: 1449397484. Students are expected to obtain one of the two books as they will work in teams.

**GRADING (SELECT ONLY ONE GRADING OPTION):** REGULAR  PASS/FAIL \_\_\_\_\_ SATISFACTORY/UNSATISFACTORY \_\_\_\_\_

**COURSE DESCRIPTION, NO MORE THAN THREE LINES** The course will help students develop applications for the smart phone. They will use a software emulator to develop and a real phone to demonstrate the application. The focus is on computer science and engineering aspects to develop, debug, and test, and obtain performance metrics to compare and contrast the two implementations.

**PREREQUISITES W/MINIMUM GRADE\*:**  
 Minimum GPA 3.0 and programming

**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: MS IN THE TECHNICAL FIELD**

**WAC/GORDON RULE COURSE <sup>3</sup>**  
 YES \_\_\_\_\_ 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): <sup>4</sup>**  
 \_\_\_\_\_ 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](http://www.fau.edu/deanugstudies/GeneralEdCourseApprovalRequests.php)

Faculty contact, email and complete phone number:  
 Ravi Shankar, [Shankar@fau.edu](mailto:Shankar@fau.edu), 297-3470

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

**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  
4/19/13  
 \_\_\_\_\_  
 \_\_\_\_\_

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