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| <br><b>FLORIDA ATLANTIC UNIVERSITY</b>   | <b>NEW COURSE PROPOSAL</b><br><b>Undergraduate Programs</b>   |  | UUPC Approval <u>11/14/16</u><br>UFS Approval _____<br>SCNS Submittal _____<br>Confirmed _____<br>Banner Posted _____<br>Catalog _____ |
|   | <b>Department</b> Ocean & Mechanical Engineering<br><b>College</b> Engineering & Computer Science<br>(To obtain a course number, contact <a href="mailto:erudolph@fau.edu">erudolph@fau.edu</a> ) |  |  |
| <b>Prefix</b> <u>EOC</u><br><b>Number</b> <u>4612</u>   | (L = Lab Course; C = Combined Lecture/Lab; add if appropriate)<br><b>Lab Code</b> <u>C</u>  | <b>Course Title</b><br><u>Introduction to Electronics &amp; Programming</u>  |  |
| <b>Credits</b> (Review Provost Memorandum)<br><u>3</u>  | <b>Grading</b> (Select One Option)<br><b>Regular</b> <u>x</u><br><b>Pass/Fail</b><br><b>Sat/UnSat</b>   | <b>Course Description</b> (Syllabus must be attached; Syllabus Checklist recommended; see Guidelines)<br>Introduction to basic micro-controllers, sensors and motors. Simple switching and filtering circuits using transistors and op-amp, data communication and micro-controller programming will be covered.   |  |
| <b>Effective Date</b> (TERM & YEAR)<br><u>SPRING 2017</u>   |   |  |  |
| <b>Prerequisites, with minimum grade*</b><br>1. Intro to Programming in C – COP 2220<br>2. Circuits 1 – EEL 3111<br>3. OE Lab – EOC 3130L<br>(all with a minimum grade of C)  |   | <b>Corequisites</b>  | <b>Registration Controls</b> (Major, College, Level)   |
| *Default minimum passing grade is D-. Prereqs., Coreqs. & Reg. Controls are enforced for all sections of course   |   |  |  |
| <b>WAC/Gordon Rule Course</b><br>Yes                      No <u>x</u><br>WAC/Gordon Rule criteria must be indicated in syllabus and approval attached to proposal. See <a href="#">WAC Guidelines</a> .   |   | <b>General Education Requirement</b> (Select One Option)<br>Written Communication                      Society/Human Behavior<br>Math/Quantitative Reasoning                      Global Citizenship<br>Science/Natural World                      Humanities<br>General Education criteria must be indicated in the syllabus and approval attached to the proposal. See <a href="#">GE Guidelines</a> . |  |
| <b>Min. qualifications to teach course</b><br>PhD in Engineering  |   | <b>List textbook information in syllabus or here</b><br>None   |  |
| <b>Faculty Contact/Email/Phone</b><br>Dr. Edgar An/pan@fau.edu/7-2792   |   | <b>List/Attach comments from departments affected by new course</b>  |  |
| <b>Approved by</b><br>Department Chair <u>[Signature]</u><br>College Curriculum Chair <u>[Signature]</u><br>College Dean <u>[Signature]</u><br>UUPC Chair <u>[Signature]</u><br>Undergraduate Studies Dean <u>[Signature]</u><br>UFS President _____<br>Provost _____ |   | <b>Date</b><br><u>11-7-16</u><br><u>11/7/16</u><br><u>11/8/16</u><br><u>11/14/16</u><br><u>11/15/16</u>  |  |

Email this form and syllabus to [mjenning@fau.edu](mailto:mjenning@fau.edu) seven business days before the UUPC meeting.