

 <b>FLORIDA ATLANTIC UNIVERSITY</b>	<b>NEW COURSE PROPOSAL</b> <b>Undergraduate Programs</b>		UUPC Approval <u>12/12/16</u> UFS Approval _____ SCNS Submittal _____ Confirmed _____ Banner Posted _____ Catalog _____
	Department <b>CEECs</b> College <b>Engineering and Computer Science</b> <small>(To obtain a course number, contact <a href="mailto:erudolph@fau.edu">erudolph@fau.edu</a>)</small>		
<b>Prefix</b> <b>COP</b> <b>Number COP 4376</b>	<small>(L = Lab Course; C = Combined Lecture/Lab; add if appropriate)</small> <b>Lab Code</b>	<b>Course Title</b> <b>Python Programming</b>	
<b>Credits</b> <small>(Review Provost Memorandum)</small> <b>3</b>	<b>Grading</b> <small>(Select One Option)</small> <b>Regular X</b>	<b>Course Description</b> <small>(Syllabus must be attached; Syllabus Checklist recommended, see <a href="#">Guidelines</a>)</small> <i>This class is an introduction to the Python programming language, with applications to practical problem solving involving data manipulation and analysis. The first part of the class focuses on teaching the basics of the Python language. Topics covered are data structures (lists, arrays, dictionaries, sets, comprehensions), functions, files, and object-oriented language elements. In the second part of the course students learn to apply advanced language features and methodologies in combination with third-party libraries for scientific computation to develop real-world applications.</i>	
<b>Effective Date</b> <small>(TERM &amp; YEAR)</small> <b>Spring 2017</b>	<b>Pass/Fail</b> <b>Sat/UnSat</b>		
<b>Prerequisites, with minimum grade*</b> <b>COP 3530 Data Structures and Algorithm Analysis</b> <b>C or better</b>		<b>Corequisites</b> None	<b>Registration Controls</b> <small>(Major, College, Level)</small> None
<small>*Default minimum passing grade is D-. Prereqs., Coreqs. &amp; Reg. Controls are enforced for all sections of course</small>			
<b>WAC/Gordon Rule Course</b> Yes                      No <b>X</b> <small>WAC/Gordon Rule criteria must be indicated in syllabus and approval attached to proposal. See <a href="#">WAC Guidelines</a>.</small>		<b>General Education Requirement</b> <small>(Select One Option)</small> Written Communication                      Society/Human Behavior Math/Quantitative Reasoning                      Global Citizenship Science/Natural World                      Humanities <small>General Education criteria must be indicated in the syllabus and approval attached to the proposal. See <a href="#">GE Guidelines</a>.</small>	
<b>Min. qualifications to teach course</b> <b>MS in Computer Science or Computer Engineering</b>		<b>List textbook information in syllabus or here</b>	
<b>Faculty Contact/Email/Phone</b> Ionut Cardei / <a href="mailto:icardei@fau.edu">icardei@fau.edu</a> / 7-3401		<b>List/Attach comments from departments affected by new course</b> --	
<b>Approved by</b> Department Chair <u><i>[Signature]</i></u> College Curriculum Chair <u><i>[Signature]</i></u> College Dean <u><i>[Signature]</i></u> UUPC Chair <u><i>[Signature]</i></u> Undergraduate Studies Dean <u><i>[Signature]</i></u> UFS President _____ Provost _____		<b>Date</b> <u>12/24/2016</u> <u>11/7/2016</u> <u>12/12/2016</u> <u>12/11/16</u> <u>12/14/16</u>	

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