

 <b>FLORIDA ATLANTIC UNIVERSITY</b>	<b>NEW COURSE PROPOSAL</b> <b>Graduate Programs</b>		UGPC Approval _____ UFS Approval _____ SCNS Submittal _____ Confirmed _____ Banner Posted _____ Catalog _____
	<b>Department</b> Mathematical Sciences+ Computer and Electrical Engineering and Computer Science <b>College Science + Engineering and Computer Science</b> <i>(To obtain a course number, contact erudolph@fau.edu)</i>		
<b>Prefix</b> CAP <b>Number</b> 5768	<i>(L = Lab Course; C = Combined Lecture/Lab; add if appropriate)</i> <b>Lab Code</b>	<b>Type of Course</b> Lecture	<b>Course Title</b> Introduction to Data Science
<b>Credits</b> <i>(Review Provost Memorandum)</i> 3	<b>Grading</b> <i>(Select One Option)</i> Regular <input checked="" type="radio"/> Sat/UnSat <input type="radio"/>	<b>Course Description</b> <i>(Syllabus must be attached; see Guidelines)</i> This course will survey foundational topics in data science and reinforce practical programming skills in the context of data analytics. Students will learn fundamentals of computational data analysis using statistics and machine learning and gain experience working with data sets from a variety of domains.	
<b>Effective Date</b> <i>(TERM &amp; YEAR)</i> Fall 2019	<b>Prerequisites</b> Some programming competency at the level of an online short course (e.g. Code Academy).		
<b>Prerequisites</b>		<b>Corequisites</b>	<b>Registration Controls</b> <i>(Major, College, Level)</i>
<b>Prerequisites, Corequisites and Registration Controls are enforced for all sections of course</b>			
<b>Minimum qualifications needed to teach course:</b> Member of the FAU graduate faculty and has a terminal degree in the subject area (or a closely related field.)		<b>List textbook information in syllabus or here</b> Python Data Science Handbook: Essential Tools for Working with Data by Jake VanderPlas, 2016.	
<b>Faculty Contact/Email/Phone</b> Lun-Ching Chang / changl@fau.edu / 7-3351		<b>List/Attach comments from departments affected by new course</b> Information Technology & Operations Management Department of Political Science	

<b>Approved by</b> Department Chair _____ College Curriculum Chair _____ College Dean _____ UGPC Chair _____ UGC Chair _____ Graduate College Dean _____ UFS President _____ Provost _____	<b>Date</b> Dec 11, 2018 12/14/18 12/17/2018
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Email this form and syllabus to [UGPC@fau.edu](mailto:UGPC@fau.edu) one week before the UGPC meeting.