

 <b>FLORIDA ATLANTIC UNIVERSITY</b>	<b>NEW COURSE PROPOSAL</b> <b>Undergraduate Programs</b>		UUPC Approval <u>2/24/20</u> UFS Approval _____ SCNS Submittal _____ Confirmed _____ Banner Posted _____ Catalog _____
	Department Mathematical Sciences College Science (To obtain a course number, contact <a href="mailto:erudolph@fau.edu">erudolph@fau.edu</a> )		
Prefix <b>MAP</b> Number <b>4190</b>	(L = Lab Course; C = Combined Lecture/Lab; add if appropriate) <b>Lab Code</b>	<b>Type of Course</b> <input type="text" value="Lecture"/>	<b>Course Title</b> <b>Mathematics of Cybersecurity</b>
<b>Credits</b> (Review Provost Memorandum) <b>3</b>	<b>Grading</b> (Select One Option) Regular <input checked="" type="radio"/> Pass/Fail <input type="radio"/> Sat/UnSat <input type="radio"/>	<b>Course Description</b> (Syllabus must be attached; Syllabus Checklist recommended; see <a href="#">Guidelines</a> ) This course will introduce students to common mathematical concepts and tools that are relevant for cybersecurity. This includes fundamentals on metrics, probability models, data analysis, graph theory, and game theory. By studying examples, students will learn how to use mathematics to analyze and solve problems in cybersecurity.	
<b>Effective Date</b> (TERM & YEAR) <b>Fall 2020</b>	<b>Prerequisites, with minimum grade*</b> (MAD 2104 with a minimum grade of C) AND (MAS 2103 with a minimum grade of C)		<b>Corequisites</b> N/A <b>Registration Controls</b> (Major, College, Level) N/A
<b>*Default minimum passing grade is D-. Prereqs., Coreqs. &amp; Reg. Controls are enforced for all sections of course</b>			
<b>WAC/Gordon Rule Course</b> <input type="radio"/> Yes <input checked="" type="radio"/> No WAC/Gordon Rule criteria must be indicated in syllabus and approval attached to proposal. See <a href="#">WAC Guidelines</a> .		<b>Intellectual Foundations Program (General Education) Requirement</b> (Select One Option) None General Education criteria must be indicated in the syllabus and approval attached to the proposal. See <a href="#">GE Guidelines</a> .	
<b>Minimum qualifications to teach course</b> Ph.D. in Mathematics or a related field			
<b>Faculty Contact/Email/Phone</b> rsteinwa@fau.edu		<b>List/Attach comments from departments affected by new course</b>	
<b>Approved by</b> Department Chair <u>[Signature]</u> College Curriculum Chair <u>[Signature]</u> College Dean <u>[Signature]</u> UUPC Chair <u>[Signature]</u> Undergraduate Studies Dean <u>[Signature]</u> UFS President _____ Provost _____		<b>Date</b> 11/21/2019 <u>2/31/20</u> <u>2/21/20</u> <u>2/24/20</u> <u>2/26/20</u>	

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