

 FLORIDA ATLANTIC UNIVERSITY	NEW COURSE PROPOSAL Undergraduate Programs		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 erudolph@fau.edu)		
Prefix MAS Number 4218	(L = Lab Course; C = Combined Lecture/Lab; add if appropriate) Lab Code	Type of Course Lecture	Course Title Mathematics for Cryptography
Credits (Review Provost Memorandum) 3	Grading (Select One Option) Regular <input checked="" type="radio"/> Pass/Fail <input type="radio"/> Sat/UnSat <input type="radio"/>	Course Description (Syllabus must be attached; Syllabus Checklist recommended; see Guidelines) This course will introduce students to the mathematical foundations of cryptography. This includes probability theory, modular arithmetic, selected topics from number theory, coding theory, and lattices. In this course, students will learn how mathematics is used in the construction and analysis of cryptographic schemes with some applications in modern cryptography.	
Effective Date (TERM & YEAR) Fall 2020	Prerequisites, with minimum grade* (MAD 2104 with a minimum grade of C) AND (MAS 2103 with a minimum grade of C)		Corequisites N/A
		Registration Controls (Major, College, Level) N/A	
*Default minimum passing grade is D- Prereqs., Coreqs. & Reg. Controls are enforced for all sections of course			
WAC/Gordon Rule Course <input type="radio"/> Yes <input checked="" type="radio"/> No WAC/Gordon Rule criteria must be indicated in syllabus and approval attached to proposal. See WAC Guidelines .		Intellectual Foundations Program (General Education) Requirement (Select One Option) None General Education criteria must be indicated in the syllabus and approval attached to the proposal. See GE Guidelines .	
Minimum qualifications to teach course Ph.D. in Mathematics or related area			
Faculty Contact/Email/Phone kkarabina@fau.edu		List/Attach comments from departments affected by new course	
Approved by 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 _____		Date 11/21/2019 <u>2/21/20</u> <u>2/21/20</u> <u>2/24/20</u> <u>2/24/20</u>	

Email this form and syllabus to mjenning@fau.edu seven business days before the UUPC meeting.