

 FLORIDA ATLANTIC UNIVERSITY	NEW COURSE PROPOSAL Undergraduate Programs		UUPC Approval <u>1/29/18</u> UFS Approval _____ SCNS Submittal _____ Confirmed _____ Banner Posted _____ Catalog _____
	Department Mathematical Sciences College College of Science (To obtain a course number, contact erudolph@fau.edu)		
Prefix MAD Number 2470	(L = Lab Course; C = Combined Lecture/Lab; add if appropriate) Lab Code _____	Type of Course <input type="text" value="Lecture"/>	Course Title Introduction to Cryptography and its Applications
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) Students will master some mathematical techniques used in the design and analysis of cryptographic algorithms. We will cover a wide range of examples (e.g. Ceasar cipher, DES, RSA) and discuss real life applications (e.g. password based authentication, online banking). Students will also develop some software and computer programming skills. By the end of the course, it is expected that students will have in-depth understanding of modern cryptographic algorithms, their real-life applications and implementation.	
Effective Date (TERM & YEAR) Spring, 2018	Prerequisites, with minimum grade* Instructor's permission		Corequisites Registration Controls (Major, College, Level)
*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 field and experience in teaching cryptography courses			
Faculty Contact/Email/Phone Koray Karabina, kkarabina@fau.edu , x0809		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 <u>1-4-18</u> <u>1/17/18</u> <u>1/19/18</u> <u>1/29/18</u> <u>2/1/18</u>	

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