

 FLORIDA ATLANTIC UNIVERSITY	NEW COURSE PROPOSAL Undergraduate Programs		UUPC Approval <u>4/30/18</u> UFS Approval _____ SCNS Submittal _____ Confirmed _____ Banner Posted _____ Catalog _____
	Department <u>Mathematical Sciences</u> Mathematical Sciences + College <u>Science</u> Science + <small>(To obtain a course number, contact erudolph@fau.edu)</small>		
Prefix <u>MAC</u> Number <u>2262</u>	<small>(L = Lab Course; C = Combined Lecture/Lab; add if appropriate)</small> Lab Code _____	Type of Course <input type="text" value="Select One"/> <u>Lecture</u>	Course Title <u>Introduction to Calculus with Applications</u>
Credits <small>(Review Provost Memorandum)</small> <u>4</u>	Grading <small>(Select One Option)</small> Regular <input checked="" type="radio"/> Pass/Fail <input type="radio"/> Sat/UnSat <input type="radio"/>	Course Description <small>(Syllabus must be attached; Syllabus Checklist recommended; see Guidelines)</small> <u>This course will provide an overview of the salient math topics most heavily used in the core sophomore-level STEM courses. These include algebraic manipulation, trigonometry, vectors and complex numbers, sinusoids and harmonic signals, systems of equations and matrices, differentiation, integration and differential equations. All math topics will be presented within the context of applications.</u>	
Effective Date <small>(TERM & YEAR)</small> <u>Fall 2018</u>	Prerequisites, with minimum grade* <u>Undergraduate level MAC 1105</u> <u>Minimum Grade of C or Graduate level MAC 1105 Minimum Grade of C</u>		Corequisites _____ Registration Controls <small>(Major, College, Level)</small> _____
*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 <small>WAC/Gordon Rule criteria must be indicated in syllabus and approval attached to proposal. See WAC Guidelines.</small>		Intellectual Foundations Program (General Education) Requirement <small>(Select One Option)</small> None <small>General Education criteria must be indicated in the syllabus and approval attached to the proposal. See GE Guidelines.</small>	
Minimum qualifications to teach course Ph.D. Mathematics with strong interest in STEM applications			
Faculty Contact/Email/Phone Roger M. Goldwynrgoldwyn@fau.edu /561-297-3000 +		List/Attach comments from departments affected by new course Statement from College of Engineering and Computer Science +	
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>4-13-18</u> <u>4-26-18</u> <u>4-26-18</u> <u>4-30-18</u> <u>5/8/18</u>

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