FLORIDA ATLANTIC UNIVERSITY

NEW COURSE PROPOSAL
Undergraduate Programs

Department Mathematical Sciences

College Science

*(To obtain a course number, contact **erudolph@fau.edu**)*

UUPC Approval _____
UFS Approval _____
SCNS Submittal _____
Confirmed _____
Banner Posted _____
Catalog _____

Prefix MAC

Number 2262

(L = Lab Course; C = Combined Lecture/Lab; add if appropriate)

Lab Code

Type of Course

Lecture

Course Title

Introduction to Calculus with Applications

Credits *(Review Provost Memorandum)*

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Effective Date *(TERM & YEAR)*

Fall 2018

Grading *(Select One Option)*

Regular (●)

Pass/Fail ( )

Sat/UnSat ( )

Course Description *(Syllabus must be attached; Syllabus Checklist recommended; see Guidelines)*

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.

Prerequisites, with minimum grade*

Undergraduate level MAC 1105 with minimum grade of C or a grade of 50 or better on the ALEKS exam

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

( ) **Yes** (●) **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)*

Math/Quantitative Reasoning

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. Mathematics with strong interest in STEM applications

Faculty Contact/Email/Phone

Roger M. Goldwyn/rgoldwyn@fau.edu/561-297-3000

List/Attach comments from departments affected by new course

Statement from College of Engineering and Computer Science

Approved by	***Date***
Department Chair _____	_____
College Curriculum Chair _____	_____
College Dean _____	_____
UUPC Chair _____	_____
Undergraduate Studies Dean _____	_____
UFS President _____	_____
Provost _____	_____

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