FLORIDA ATLANTIC UNIVERSITY

NEW COURSE PROPOSAL
Undergraduate Programs

Department Mathematical Sciences

College Charles E. Schmidt College of Science

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

UUPC Approval 1/27/20
UFS Approval
SCNS Submittal
Confirmed
Banner Posted
Catalog

Prefix MAC
Number 2241

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

Type of Course: Lecture

Course Title: Life Science Calculus I

Credits *(Review Provost Memorandum)*: 4

Effective Date *(TERM & YEAR)*: Fall 2020

Grading *(Select One Option)*
- Regular (●)
- Pass/Fail ( )
- Sat/UnSat ( )

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

This course is an introduction to the methods and applications of differential and integral calculus for students in life sciences. Topics include limits, continuity, derivatives of basic functions in mathematics, differentiation rules, optimization problems, the definite integral and area under a curve, basic theory of differential equations, and modeling with differential equations in life sciences. This is a General Education course and counts toward the Gordon Rule computational requirement.

Prerequisites, with minimum grade*: MAC 1105 with minimum grade of C

Corequisites

Registration Controls *(Major, College, Level)*

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***Default minimum passing grade is D-.** **Prereqs., Coreqs. & Reg. Controls are enforced for all sections of cours**

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
18 graduate credits in Mathematics

Faculty Contact/Email/Phone
Xiao-Dong Zhang, xzhang@fau.edu, 7-2488

List/Attach comments from departments affected by new course
Department of Biological Sciences has supported this course

Approved by	*Date*
Department Chair	1-21-20
College Curriculum Chair	1-24-20
College Dean	1-24-20
UUPC Chair	1-27-20
Undergraduate Studies Dean	1/30/20
UFS President	
Provost	

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