



# NORTHWEST FLORIDA STATE COLLEGE

100 College Boulevard, E. • Niceville, FL 32578-1347 • (850) 678-5111 • [www.nwfsc.edu](http://www.nwfsc.edu)

## INSTRUCTOR INFORMATION

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- Professor: Selin Apak
- Email: [apaks@nwfsc.edu](mailto:apaks@nwfsc.edu)
- Phone: 850-729-5255 or ext. 5255 from on campus
- Office Hours: By appointment (In person or via Zoom)
- Office Location (Campus/Building/Room): Niceville/Building 500/Room 101E

## INSTRUCTOR COMMUNICATION

Your NWFSC email is the official communication medium of the College. Please check your College email regularly for any class and College notifications. You may contact me at [apaks@nwfsc.edu](mailto:apaks@nwfsc.edu). I will try my best to respond your emails in 24 hours.

## COURSE INFORMATION

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- Course Name and Number: Business Calculus / MAC2233-30006
- Class Modality: Online
- Online Classroom with Gradebook: [Canvas class shell](#)
- Final Exam: August 4, 2025

## COURSE DESCRIPTION

This is a calculus course covering limits, continuity, differentiation, and integration with emphasis on business applications. There is some mathematical theory; but, in general, topics are approached from an intuitive and applied point of view. Non-symbolic graphing calculators are required. The TI-83/84 Series is recommended.

## COURSE-LEVEL STUDENT LEARNING OUTCOMES

Students will:

1. be able to evaluate and interpret the meaning of limits and understand the concept of function continuity.
2. be able to evaluate the derivative of a function.
3. be able to use calculus methods to find function extrema and define intervals of increase and decrease.
4. be able to create appropriate mathematical models to solve application problems.

5. be able to apply appropriate mathematical models to solve application problems.
6. be able to evaluate integrals of functions.

#### **COURSE PREREQUISITES**

Prerequisite(s): Prerequisite(s): Completion of MAC1140 with a grade of “C” or better; or completion of MAC1105 with a grade of “C” or better plus any additional core mathematics course with a “C” or better, or appropriate Accuplacer score.

#### **COURSE MATERIALS**

- Textbook: Calculus And Its Applications: Brief Version, 12th ed., Bittinger, et al, Pearson, 2020.
- Non-symbolic graphing calculators are required. The TI-83/84 Series is recommended.

#### **STUDENT EXPECTATIONS AND RESOURCES**

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NWFSC aims for excellence in education and scholarly pursuits. Campus policies and procedures support this goal by protecting the health, safety, welfare, and property of the College and its students. To view all campus policies, please see the [college catalog](#). Several essential policies are provided below.

<b>NWFSC POLICY</b>	<b>DESCRIPTION</b>
<a href="#"><u>Academic Integrity</u></a>	Students are expected to behave responsibly as members of the College community and be honest and forthright in their academic endeavors. They are also expected to behave professionally and refrain from disrupting other students’ learning environments.
<a href="#"><u>Accommodations</u></a>	The <a href="#"><u>Accommodation Resource Center</u></a> at Northwest Florida State College is committed to providing equal access and opportunities for educational success to all students with disabilities as guided by the American Disabilities Act and other disability-related laws.
<a href="#"><u>Attendance</u></a>	Regular attendance and participation in courses is expected.
<a href="#"><u>Tutoring Services</u></a>	Tutoring services are available in person and online.
<a href="#"><u>Counseling Services</u></a>	All actively enrolled students can receive an initial assessment and up to five therapeutic sessions with a Behavioral Health provider at no cost to the student.
<a href="#"><u>Student Code of Conduct</u></a>	Students are expected to adhere to the rules, regulations, and policies outlined in the Student Code of Conduct.
<a href="#"><u>Student Complaints</u></a>	NWFSC desires to resolve student grievances, complaints, and concerns expeditiously, fairly, and in an amicable manner. A student

	who desires to resolve a grievance may initiate the resolution process using the information in the link provided to the left.
<a href="#"><u>Student Rights and Responsibilities</u></a>	Understanding your role as a student.

### **MAKE-UP WORK**

No Make-up Exam will be given without an academic reason. If there is a conflict with a scheduled exam time, please talk to me in advance to reschedule the exam time. If you get sick on a scheduled exam day, you need to provide me a doctor's note, so I will be able to give you a make-up exam. If you miss the deadline of the online homework, please contact me via email as soon as you are able to and state your reason for missing the due date, and I will consider granting extension for homework.

### **ASSIGNMENTS, GRADING SCHEME AND PROCEDURES**

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**CANVAS Discussions:** I created a discussion panel on Canvas for you to get help from each other about the homework assignments. You are welcome to ask questions, discuss the problems, and help each other. Each post you will make, regardless of it is a question or answer, will bring you ten points. You are expected to collect one hundred points throughout the semester.

Assignment Category	Points/Percentage of Grade	Due Date
Online Homework	30 %	Monday (weekly)
Canvas Discussions	5%	Weekly
Exam 1	20%	June 9
Exam 2	20%	July 7
Final Exam	25%	August
Total	100%	

## Grading Scheme

Grade	Range
A	90 – 100 %
B	80 – 89 %
C	70 – 79 %
D	60 – 69 %
F	59 and less %

## OTHER IMPORTANT INFORMATION

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### TECHNICAL SKILLS AND SPECIALIZED TECHNOLOGY

This course is entirely online. Students must provide their device(s) to access and complete this class online. In addition to baseline word processing skills and sending/receiving emails with attachments, students will be expected to search the Internet and upload/download files. If you encounter technology challenges using course resources in the Learning Management System, email the Center for Innovative Teaching and Learning at [online@nwfsc.edu](mailto:online@nwfsc.edu) or call 850-729-6464.

### EMERGENCY COLLEGE CLOSURE

This course's schedule, requirements, and procedures are subject to change in the event of unusual or extraordinary circumstances. If the College closes for inclement weather or another emergency, any exams, presentations, or assignments previously scheduled during the closure period will automatically be rescheduled for the first regular class meeting held once the college reopens. If changes to graded activities are required, students will not be penalized due to the adjustments but will be responsible for meeting revised deadlines and course requirements.

### ACADEMIC INTEGRITY TOOLS

Northwest Florida State College subscribes to Turnitin, an online plagiarism detection and prevention service. By enrolling in this class, students consent to upload their papers to Turnitin, where they will be checked for plagiarism. Papers submitted to Turnitin may be saved as source documents within these databases to detect plagiarism in other papers. Please note: All assignments submitted in this course are analyzed for plagiarism and originality.

### ACADEMIC CONTINUITY PLAN

NWFSC is dedicated to protecting the health and well-being of its students, staff, and faculty. The College is dedicated to working with faculty and students to ensure timely course and program completion during emergencies. In the event of a College closure, the format of this course may

be modified to enable completion of the course through other means, including but not limited to online course delivery through online classrooms. Check your RaiderNet College email and LMS classroom online for any updates.

**WELCOME TO CLASS**

Thank you for choosing NWFSC for your education—and welcome to class!