



NORTHWEST FLORIDA STATE COLLEGE

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INSTRUCTOR INFORMATION

- Professor: Ryan Adams
- Email: adams5@nwfsc.edu (preferred method of contact)
- Phone: (850) 729-5258
- Office Hours: See Canvas for Office Hours and Zoom Link
- Office Location : Niceville Building 350 210

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. I usually take 1 – 2 business days to respond back.

COURSE INFORMATION

- Course Name and Number: Differential Equations MAP 2302 30139
- Class Location (Campus/Building/Room): Online
- Class Modality: Online
- Online Classroom with Gradebook: [Canvas class shell](#)
- Final Exam due date: Tuesday, August 5th at midnight

COURSE DESCRIPTION

This course introduces ordinary differential equations with an emphasis on first and second order linear equations and applications.

COURSE-LEVEL STUDENT LEARNING OUTCOMES

- Students will be able to identify the different types of first order differential equations, and then use an appropriate method to solve the same.
- Students will be able to model and solve application problems by solving the resulting initial value problems.
- Students will be able to identify and solve higher order differential equations.
- Students will be able to apply existence and uniqueness theorems to determine an interval/region over which a unique solution is guaranteed.
- Students will be able to demonstrate an understanding and knowledge of the properties of Laplace transforms and be able to solve initial value problems.

COURSE PREREQUISITES

Either completion of MAC 2313 with a “C” or better or concurrent enrollment in MAC 2313. Equivalent courses from other institutions may be used to meet the prerequisite.

COURSE MATERIALS

First Course in Differential Equations with Modeling Applications, by Dennis G. Zill 11th Edition

STUDENT EXPECTATIONS AND RESOURCES

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.

NWFSC POLICY	DESCRIPTION
Academic Integrity	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.
Accommodations	The Accommodation Resource Center 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.
Attendance	Regular attendance and participation in courses is expected.
Tutoring Services	Tutoring services are available in person and online.
Counseling Services	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.
Student Code of Conduct	Students are expected to adhere to the rules, regulations, and policies outlined in the Student Code of Conduct.
Student Complaints	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.
Student Rights and Responsibilities	Understanding your role as a student.

ASSIGNMENTS, GRADING SCHEME AND PROCEDURES

Notes: To ensure that you have watched the videos, you will need to take notes on the lecture. Blank versions of the lecture notes are provided on Canvas. You may fill in the notes as you watch the video or take your own notes on notebook paper. Scan your notes and submit them to the note check drop box in the module.

Discussion Posts: Discussion posts will be used to engage the student's ability to critically think. It will also act as feedback on how students are engaging with the material. When a discussion is posted, respond in a timely manner, expressing your ideas clearly and concisely. You will need to have a meaningful response to a post in the discussion to receive credit.

Homework: For each section we cover, I will have a set of problems to be done on WebAssign. Problems should be done on notebook paper or a notebook so that I can look at your work if there are any issues. Due dates for homework will be posted in WebAssign and Canvas. If you need more time for a homework, you can request an extension through WebAssign. Homework completed after the due date will be given a 15% penalty. You will be able to drop 3 homework assignments. You should do all of the homework since you are responsible for the material for the tests.

Tests and Final There will 4 tests and a final during the semester. They will be on Canvas using the Respondus Lockdown Browser and Respondus Monitor. Show all work on notebook paper and/or graph paper. When you are done taking your exam, you must submit your work within 15 minutes of completing the exam to receive any credit for the test. Make sure your work is scanned and is uploaded as one PDF file. Late test (and final if approved to take it late) will take a 20-point penalty.

Assignment Category	Points/Percentage of Grade	Due Date
Notes	5	Due Dates are on Canvas
Discussion Post	5	Due Dates are on Canvas
WebAssign Homework	15	Due Dates are on Canvas
Tests	50	Due Dates are on Canvas
Final	25	Due Dates are on Canvas
Total	100	

Other Considerations

- I will drop the 3 lowest homework grades.
- To improve your test average, you may submit test corrections for the test you did the worst on. Make sure to rework each problem completely and submit the corrections on the day of the final. Completing this correction will give you half the points back from the maximum on that test if you attempted all the tests in the semester. (The maximum for a late test is 85)
- If you miss one test, your final exam will take the place of the missing test. Missing subsequent tests will give you a zero for each one.
- There is no exemption rule this semester. The final covers the last third of the material along with the worst questions from the first two tests.

Grading Scheme

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

OTHER IMPORTANT INFORMATION

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 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 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!