

PHY 2048C, PHYSICS WITH CALCULUS I, SUMMER 2026

INSTRUCTOR INFORMATION

- Professor: C. J. Sweeney, Ph. D.
- Email: sweeneyc@nwfsc.edu
- Phone: (850) 729-4920
- Office Hours: N/A
- Office Location (Campus/Building/Room): N/A

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. The instructor will respond within 48 hours, **Monday through Friday**.

COURSE INFORMATION

- Course Subject and Number: PHY 2048C
- Course Name and Number: General Physics with Calculus I/ 30147
- Class Location (Campus/Building/Room): 231 Science Bldg.
- Class Modality: in person
- Class Days: T R
- Class Times: 11:30 AM
- Online Classroom with Gradebook: [Canvas class shell](#)
- Final Exam: W 6/24/26

COURSE DESCRIPTION

This is the first course in a two-term sequence of calculus-based physics designed for engineering and physical science majors. This course covers classical mechanics (statics and dynamics of point-masses, rigid-body dynamics, and oscillations.) Additional topics, such as fluids or the special theory of relativity, may be covered if time permits. This course contains both lecture and laboratory components. The hybrid component of this course will entail out-of-class assignments on complex numbers and their use in the analysis of mechanical vibrations. Educational material supporting this will be available online from the instructor.

COURSE PREREQUISITES

MAC 2311 (Calculus I) must be taken previously to or currently with PHY 2048C (General Physics with Calculus I).

REQUIRED COURSE MATERIALS

Text: Giancoli, D.C., *Physics for Scientists and Engineers with Modern Physics*, 5th ed. (Pearson Prentice-Hall, Upper Saddle River, NJ) Laboratory Manual: available in the bookstore.

Calculator: Any scientific calculator will do; it doesn't have to be elaborate or have graphics.

ASSIGNMENTS, GRADING SCHEME AND PROCEDURES

Assignments

Quiz	10%
Test 1	25%
Test 2	25%
Final Examination	30%
Laboratory Assignments	10%

Grading Scheme

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

OPTIONAL SPACE FOR INSTRUCTOR

Make up work will be permitted at the discretion of the instructor.

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 with the corresponding link to the full policy for your review.

NWFSC POLICY	DESCRIPTION
<p>Academic Integrity</p>	<p>Students are expected to behave responsibly as members of the College community and be honest and forthright in their academic endeavors. This includes the use of generative AI tools. Using genAI in any form to substantially complete an assessment is prohibited, except where explicitly allowed by the instructor.</p> <p>Any time the instructor suspects there is a violation of Academic Integrity or there is a reported Academic Integrity Incident, the instructor is required to investigate it as outlined in the Academic Integrity section of the handbook (linked to the left). The instructor will provide information to the student about the procedure, the complaint, the findings, and any consequence imposed.</p> <p>Students are also expected to behave professionally and refrain from disrupting other students' learning environments.</p>
<p>Accommodations</p>	<p>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.</p>
<p>Attendance</p>	<p>Regular attendance and participation in the course is expected. All students should adhere to the College calendar. For dual enrolled students, high school holidays may not be College holidays.</p>
<p>Tutoring Services</p>	<p>Tutoring services are available in person and online.</p>
<p>Counseling Services</p>	<p>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.</p>
<p>Student Code of Conduct</p>	<p>Students are expected to adhere to the rules, regulations, and policies outlined in the Student Code of Conduct.</p>
<p>Student Complaints</p>	<p>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.</p>

[Student Rights and Responsibilities](#)

All students should review the Student Rights and Responsibilities section of the Student Handbook to understand their role as a student.

OTHER IMPORTANT INFORMATION

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!