

PHYSICS 1510: MECHANICS AND WAVE MOTION

Instructor: C. L. Littler
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Classroom: Physics 104
Class Times: 11:00 am - 12:20 pm Tuesdays and Thursdays
Recitation: 2:00 pm – 2:50 pm Tuesday
Off. Hr.'s: 10:00 am - 10:45 am Tuesdays and Thursdays and by Appointment
Text: Principles of Physics, Fifth Edition, Serway and Jewett

Key: L-1 = Lecture Chapter 1
WA-3 = WebAssign Homework Chapter 3

COURSE OUTLINE

Week of:	Topic(s)	Homework
August 26	Introduction, L-1, Vectors L-2, 1-D Motion	WA-1
September 2	L-2, 1-D Motion	WA-2
September 9	L-3, 2-D Motion	WA-3
September 16	L-4, Laws of Motion	WA-4
September 23	L-5, Friction, Circular Motion	WA-5
September 30	Exam #1 Chapters 1-4, Tuesday, October 1st L-6 Energy Concepts	WA-6
October 7	L-7, Energy Conservation	WA-7
October 14	L-8, Momentum and Collisions	WA-8
October 21	Exam #2, Chapters 5-8, Tuesday, October 22th L-10, Rotational Motion	
October 28	L-10, Rotational Motion	WA-10
November 4	L-11, Gravity and Orbits	WA-11
November 11	L-12, Oscillatory Motion	WA-12
November 18	Exam #3, Chapters 10-12 , Tuesday, November 19th L-13, Mechanical Waves	WA-13

November 25 L -14, Superposition WA-14

December 5 L-15, Fluid Mechanics WA-15

December 10th FINAL EXAM — 10:30 am, Physics 104

Grading Scheme: The grading in the course will be based on the total points earned from exams, homework, and attendance/short quizzes (both class and recitation). Homework will be via WebAssign and is due by Saturday night at 11 pm of the week assigned. Selected homework problems will be discussed in recitation via student/instructor presentation and instructor guidance. There will be 3 regular exams throughout the semester and a comprehensive final exam. **Your grade on the final exam will be substituted for the lowest regular exam grade, as long as it improves your overall average.** Makeups for missed exams are possible, but only in the case of demonstrable hardship. The point values for each category is given below:

Exams	45% (15% for each regular exam) 35% final
Homework	15%
Attendance (class, recitation short quiz)	5%

Total	100%

The University of North Texas is on record as being committed to both the spirit and letter of federal equal opportunity legislation; reference Public Law 92-112 – The Rehabilitation Act of 1973 (as amended). With the passage of new federal legislation entitled Americans with Disabilities Act (ADA), pursuant to section 504 of the Rehabilitation Act, there is renewed focus on providing this population with the same opportunities enjoyed by all citizens.

UNT's policy on Academic Dishonesty can be found at:

<http://www.vpaa.unt.edu/academic-integrity.htm>

Drop information is available in the schedule of classes at:

<http://essc.unt.edu/registrar/schedule/scheduleclass.html>

NOTICE: SETE (Student Evaluation of Teaching Effectiveness):

The Student Evaluation of Teaching Effectiveness (SETE) is a requirement for all organized classes at UNT. This short survey will be made available to you at the end of the semester and will remain open through the week of finals, providing you a chance to comment on how this class is taught.