

PHYSICS 111 COURSE SYLLABUS

Course Information

Course Title: Physics I Fall Semester, 1999
Meeting Time: MWF 9:10-10:10 Meeting Place: FJA
Home page: www.physics.rhodes.edu/physicsI&II
Instructor: Dr. Brent Hoffmeister
Office: 215 RT
Lab: 115A-E RT
Office Phone: X3913
Office Hours: 9:30-12:00 TuTh, 10:30-12:00 MW, 1:00-3:00 W, other times by appt.

Course Objectives

To provide students with a solid foundation in the fundamentals of classical physics, and an intuition for physical phenomena.

Text

Halliday, Resnick, and Walker, *Fundamentals of Physics*, Fifth Edition, John Wiley & Sons, Inc.

Course Requirements

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| 1. Four tests as scheduled on course calendar | 40% |
| 2. Homework as scheduled on course calendar (due at beginning of class) | 30% |
| 3. Final exam | 25% |
| 4. Class attendance and participation | 5% |

Grading Procedures

- All graded work will be assigned a numerical score. You may estimate the corresponding letter grade by computing a percentage score and comparing it with the table below:

$$\text{Percentage Score} = (\text{Your Score} / \text{Total Possible}) * 100$$

Percentage Score	Letter Grade	Percentage Score	Letter Grade	Percentage Score	Letter Grade
95-100	A	80-82	B-	67-69	D+
90-94	A-	77-79	C+	63-66	D
87-89	B+	73-76	C	60-63	D-
83-86	B	70-72	C-	Below 60	F

- Late homework assignments will be penalized by 10% of the total possible score per day (including weekends and holidays) that they are late. Late assignments should include the date they are completed.

- Make-up exams may be arranged on the condition that the student notifies the instructor in advance of missing an exam. Make-up exams may prove more difficult than the original.
- The conditions of the Honor Code described in the Rhodes College Student Hand Book apply to all assignments in this course unless otherwise specified by the instructor.

Course Calendar

Date	Subject	Assignment Due
Wed. Aug. 25	Course Introduction & Ch. 1: Measurement	
Fri. Aug. 27	Ch. 2: Motion Along a Straight Line	Ch. 1
Mon. Aug. 30	Ch. 2: Motion Along a Straight Line	
Wed. Sep. 1	Ch. 3: Vectors	Ch. 2
Fri. Sep. 3	Ch. 3: Vectors	
Mon. Sep. 6	(Labor Day Recess)	
Wed. Sep. 8	Ch. 4: Motion in Two and Three Dimensions	Ch. 3
Fri. Sep. 10	Ch. 4: Motion in Two and Three Dimensions	
Mon. Sep. 13	Review	Ch. 4
Wed. Sep. 15	Test 1	
Fri. Sep. 17	Ch. 5: Force and Motion - I	
Mon. Sep. 20	Ch. 5: Force and Motion - I	
Wed. Sep. 22	Ch. 6: Force and Motion - II	Ch. 5
Fri. Sep. 24	Ch. 6: Force and Motion - II	
Mon. Sep. 27	Ch. 7: Kinetic Energy and Work	Ch. 6
Wed. Sep. 29	Ch. 7: Kinetic Energy and Work	
Fri. Oct. 1	Ch. 8: Conservation of Energy	Ch. 7
Mon. Oct. 4	Ch. 8: Conservation of Energy	
Wed. Oct. 6	Review	Ch. 8
Fri. Oct. 8	Test 2	
Mon. Oct. 11	Ch. 9: Systems of Particles	
Wed. Oct. 13	Ch. 9: Systems of Particles	
Fri. Oct. 15	Ch. 10: Collisions	Ch. 9
Mon. Oct. 18	(Fall Recess)	
Wed. Oct. 20	Ch. 10: Collisions	
Fri. Oct. 22	Ch. 11: Rotation	Ch. 10
Mon. Oct. 25	Ch. 11: Rotation	
Wed. Oct. 27	Ch. 12: Rolling, Torque, and Angular Momentum	Ch. 11
Fri. Oct. 29	Ch. 12: Rolling, Torque, and Angular Momentum	
Mon. Nov. 1	Review	Ch. 12
Wed. Nov. 3	Test 3	
Fri. Nov. 5	Ch. 14: Gravitation	
Mon. Nov. 8	Ch. 14: Gravitation	
Wed. Nov. 10	Ch. 15: Fluids	Ch. 14
Fri. Nov. 12	Ch. 15: Fluids	
Mon. Nov. 15	Ch. 16: Oscillations	Ch. 15
Wed. Nov. 17	Ch. 16: Oscillations	
Fri. Nov. 19	Ch. 17: Waves - I	Ch. 16
Mon. Nov. 22	Ch. 17: Waves - I	
Wed. Nov. 24	(Thanksgiving Recess)	
Fri. Nov. 26	(Thanksgiving Recess)	
Mon. Nov. 29	Review	Ch. 17

Wed. Dec. 1	Test 4	
Fri. Dec. 3	Ch. 18: Waves - II	
Mon. Dec. 6	Ch. 18: Waves - II	
Wed. Dec. 8	Review	Ch. 18