

PHYS 2610 - General Physics 1

Fall 2026 Syllabus, Section 03, CRN 40384,

Credit hours: 4

Instructor

Roy McCullough

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Public Instructor Information

Instructor Title: Part-time Faculty

Instructor Professional Qualifications: MS Physics University of Akron (1979), BS Math Education, Ohio University(1972)

Instructor Office Location: Ward Beecher Room 1010

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Course Description

2610. General Physics 1. A course in mechanics; the kinematics and dynamics of masses in translation and rotation; Newton's Laws; gravity; the conservation laws of energy and momentum; simple harmonic motion and introduction to wave motion and sound. Prereq.: High school physics or PHYS 1501. Prereq. or concurrent: MATH 1571. 4 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Physics for Scientists and Engineers by Serway and Jewett, 10th edition		

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Week of	Reading(s)	Proposed Topic	Due/To Prepare for Class
8/24	Chapters 1 & 2		Web Assign 1 & 2 or Ch:1 #10,15,20,35 Ch 2 #3,13
8/31	Chapters 2&3		Web Assign 3 & 4 or Ch 2 #2,9,27,39 Ch 3 # 1,14,15,22 Sunday Sept 6 Last date to withdraw @100%
9/7	Chapter 4		9/7 No Classes Web Assign 5 or Ch:4 # 1,3,12,13,15,16,21
9/14	Chapters 4 & 5		Web Assign 6 & 7 or Ch:4 # 25,31,33 Ch 5 # 2,6,14,17,22,29
9/21	Chapter 6		Web Assign 8 or Ch:6 # 3,4,7,12,21,25,26
9/28	Chapter 7		Web Assign 9 or Ch:7 # 1, 4, 9, 22 9/30 Test 1 over Chapters 1-5
10/5	Chapter 7 & 8		Web Assign 10 & 11 or Ch:7 # 29,35,41,47 Ch 8 #3,4,7,14,16,26
10/12	Chapters 8&9		Web Assign 12 & 13 or Ch:8 #7,14,16,26 Ch 9 # 3,5,9,10,18,22,37
10/19	Chapter 10		Web Assign 14 & 15 or Ch:10 #2,11,13,14,16,23,28,35
10/26	Chapter 11		Web Assign 16 or Ch 11 #11,16,23,27,39 10/28 Test 2 over Chapters 6-9

11/2	Chapters 12 & 13	Web Assign 17 & 18 or Ch:12 # 3,6,10,14,21,24 Ch 13 # 2,5,15,19,24
11/9	Chapters 15 & 16	Web Assign 19 & 20 or Ch:15 #3,4,1,14,17,33 Ch 16 # 5,6,13,26,29 11/11 No Classes
11/16	Chapters 16 & 17	Web Assign 21 & 22 or Ch:16 #33,34,41 Ch 17 # 3,13,17,21,32,34
11/23	Test 3	Test 3 over Chapters 10-13
11/30	Review	Review
12/7	Exam	Exam Monday 12/7 5:30-7:30

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.