PHYS 2610 - General Physics 1

Fall 2026 Syllabus, Section 04, CRN 41511,

Credit hours: 4

Instructor

Cynthia Smotzer

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Public Instructor Information

Instructor Title: Professor
Instructor Professional Qualifications:

M.S. Physics Indiana University (1993)

B.S. Physics Cincinnatti University (1991)

Instructor Office Location: Ward Beecher 2012
Instructor Office Phone: 330-941-3616

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, 10th ed	Serway/Jewet	

We will be using the WebAssign online homework associated with this. There is an ebook with the purchase of WebAssign. WebAssign will be purchased by you when logging into our class section. You do not purchase this from the bookstore.

You will need to purchase WebAssign; you choose whether or not you would like a hard copy of the book.

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	Chapter 1		
8/31	chapter 2		
9/7	chapter 3		
9/14	chapter 4		
9/21	chapter 5 chapter 6		
9/28	chapter 7 chapter 8		
10/5	chapter 9		
10/12	chapter 10		
10/19	chapter 11		

10/26	chapter 12
11/2	chapter 13
11/9	chapter 14
11/16	chapter 15
11/23	chapter 16
11/30	chapter 17
12/7	final exam week

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.