# Physics 2210: Physics for Scientists and Engineers I, Fall 2014

**Instructor**  
Professor John Belz  
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**Description**  
Designed to give science and engineering students a thorough understanding of the basic physical laws and their consequences. Classic mechanics will be introduced, including methods of energy, momentum, angular momentum, and Newtonian gravity. Applications will include mechanical oscillations, sound, and wave motion. Those engineering students who have not had calculus before (high school or college-level course), need to see an engineering advisor.

**Prerequisite**  
A grade of C or better in Math 1210, *Calculus I*

**Lectures**  
MW 3:00 → 4:20 PM in JFB 101

**Discussions**  
MW 4:35 → 5:25 PM in AEB 350, LCB 215, AEB 310

**Text**  
We will make use of the online *smartPhysics* course located at [www.smartphysics.com](http://www.smartphysics.com). All essential materials are located on this website. Optionally, you may buy the companion booklet Gladding et al., *smartPhysics: Classical Mechanics* at the campus bookstore along with a bundled access card, which will give you access to the on-line materials as well.

**Supplemental**  
Serway and Jewett, *Physics for Scientists and Engineers* (any edition)

**Web Page**  
[www.physics.utah.edu/~belz/phys2210](http://www.physics.utah.edu/~belz/phys2210)

**Grading**  
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<tr>
<td>Prelectures</td>
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<td>Check Point quizzes</td>
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<td>Midterms</td>
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**Exam Dates**  
- Midterm 1: Wed. Sep. 24, 3:00 → 4:30 PM
- Midterm 2: Wed. Oct. 29, 3:00 → 4:30 PM
- Midterm 3: Wed. Dec. 03, 3:00 → 4:30 PM
- Final: Tue. Dec. 16, 3:30 → 5:30 PM

**Drop/Add**  
Last day to drop, September 3. Last day to add, September 8.  
Last day to withdraw, October 24.