

## PHYS260

Summer II 2015  
Physics Building

David Buehrle

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**Title:** General Physics: Oscillations, Waves, Thermodynamics, and Electrostatics

**Lecture:** Monday through Friday 11:00 AM – 12:20 PM, PHY 1402

### Section 0201

**TA: Israel Martinez Castellanos (3103B Toll Physics Building - x5 6189, [imc@umd.edu](mailto:imc@umd.edu))**

**Discussion:** Tuesday & Thursday 10:00 – 10:50 AM, PHY 1402

## PHYS261

### (Lab)

Tuesday & Thursday 1:00 – 4:00 PM, PHY 3219

**Textbook:** Randall D. Knight: *Physics for Scientists and Engineers*, 3e

Physics 260 is the second of a three semester introductory course on physics for engineers.

### Math Background

You are expected to know differentiation, integration, elementary algebraic manipulations, and trigonometric rules. If you do not know any math step discussed in class, be sure to ask and we can clear that up in the discussion sessions.

### Homework

To help facilitate the competing needs to give timely input and spend more of class time discussing new material rather than just going over homework, your assignments will be online. The online exercises are accessed through MasteringPhysics. I have observed in the past that there is a strong correlation between the steady effort needed to successfully complete homework and performance on examinations. Solutions to all homework assignments will be available on ELMS after their due date. I strongly encourage you ask questions about the homework during the discussion! To access Mastering Physics, see below

### Assessments

20% of your semester grade is based on homework. Quizzes will come directly from the homework.

20% will be based on the weekly quizzes. If you use correct procedure and calculate a reasonable answer with correct units, then you will receive full credit.

20% will consist of the labs. How the lab a graded is up to the TA, but the prelab is mandatory and must be turned in at the beginning of the lab. You must perform all labs to pass the class.

20% is from unit tests as listed on the schedule. Your grade is mostly determined by correct method as the quizzes, but also on correctness

20% from the final exam.

### **Extra Help**

Feel free to call my office phone anytime. The best way to communicate is via email.

Your TA will post office hours