Instructor: Robert C. Webb

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Office Hours: TTR 2:00 pm - 4:00 pm, or by appointment


Class web site: http://faculty.physics.tamu.edu/webb/webb.html

Grading: Exams (I-III:45%, Final: 30%); Homework 10%; Chapter Quizzes 15%

Assignments: Homework will be assigned each week on Tuesday and will be due back the following Tuesday. We will be using the Mastering Physics web site to submit and grade your assignments. (The course name on the Mastering Physics website is MPWEBBPHYS221.) There will be 10 chapter quizzes per semester, usually given in class on Tuesday of each week. Each quiz will test the basic understanding of the material from the chapter discussed in the previous week in class. The best 9 quiz grades will be used in determining your semester quiz grade. Typically a quiz will be given at the end of a chapter, however deviations from this plan, if necessary, will be announced in class.

Tentative schedule:

Week of: Chapters Topic

**Light and Optics**
Jan. 23 – 27 34 Geometric Optics
Jan. 30 – Feb. 3 35 Interference
Feb. 13 – 17 36 Interference / Diffraction
Feb. 20 – 24 36 Diffraction
Thursday, February 23 33-36 Exam I

**Oscillations and Waves**
Feb. 27 – Mar. 2 13 Periodic Motion
Mar. 5 – 9 15 Mechanical Waves
Mar. 12 – 16 Spring Break
Mar. 19 – 23 16 Sound and Hearing
Mar. 26 – 30 16 Doppler Effect
Thursday, March 29 13, 15-16 Exam II

**Thermal Physics**
Apr. 2 – 6 17 Temperature and Heat
Apr. 9 – 13 18 Thermal Properties of Matter
Apr. 16 – 20 19 The First Law of Thermodynamics
Apr. 23 – 27 20 The Second Law of Thermodynamics
Thursday, April 26 17-20 Exam III

**Final Exam** Monday, May 7, 2012 (8:00 -10:00 am) Will cover chapters 33-36, 13, 15-20.

ADA statement
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Department of Student Life, Services for Students with Disabilities, in Room B118 of Cain Hall or call 845-1637.