COURSE SYLLABUS

Physics 2401-H01 Honors, Fall 2008, 8:00-9:20 a.m. Tuesday-Thursday, Science Rm 112

Instructor: Dr. Walter L. Borst, Professor of Physics
Office Hours: MWF 9:30-10:45 a.m., Science Rm. 11, Tel. 742-3864, Walter.Borst@ttu.edu

Course Materials:
1. Your lecture notes
3. Your notes on lecture demonstrations, including diagrams and working the numbers.

Grades
Three examinations 15% each, homework, 15%, laboratory 15%, final examination 25%.

Grade Scale 100-A-86-B-72-C-58-D-44-F-0

Laboratory: A cumulative laboratory score of 75% or higher is required for passing the course.

Homework will be assigned regularly online from the UT Austin QUEST homework service. Please sign up at http://cns.utexas.edu/quest/support/student and follow the instructions. After that, I still will need to validate your enrollment. We have 8 homework sets, each for two chapters in the textbook. They will be posted as soon as we start with an odd-numbered chapter (e.g. Ch. 23, Ch. 25 etc.) in class. The homework is due at the time specified in the CALENDAR. It will be graded by the UT QUEST system and the solutions will be available from there. A cumulative homework score of 65% or higher is required for passing the course.

The Examinations cover concepts, worked problems, questions assigned during class, new questions, and lecture demonstrations. The examinations are closed book. For the final examination, a colored formula sheet is provided in advance, to which you may add 20 formulas. Bring it with you to the final examination. Only simple calculators without physics contents are allowed. By “simple” I mean scientific calculators costing a few dollars, not elaborate engineering calculators. Also, bring a ruler with you for graphs.

Attendance required. Absences must be excused. Otherwise, -1% off the course total for each unexcused absence. Sign in at the beginning of class - only then. Please come early

Withdrawal policy: Automatic “W” by the posted withdrawal deadline, otherwise a letter grade.

Important: Spend about 15 hours each week outside of class on this course (laboratory work is extra.) Also review the new material in the textbook before each class.

Dates: See Calendar for homework dates, examinations, and chapter coverage.

No make-up quizzes or examinations will be given. In case of an emergency, please contact the instructor to find out how the missing grade will be determined.
**Examination Security:** The examinations are composed uniquely for this semester and include a copyright notice reserving all rights of reproduction and distribution. Do not be misled by exploitive businesses that their materials may substitute for proper examination preparation. The examinations are composed uniquely for this term.

**Disability**
Any student who, because of a disabling condition, may require some special arrangements in order to meet course requirements, should contact the instructor as soon as possible so that necessary accommodations can be made. Proper documentation about the disability must be presented from the Dean of Student’s office.

**Academic honesty** is assumed and violations will be pursued.

**Course objectives and expected learning outcomes:**
Know the fundamental principles of electrodynamics and optics, i.e. Maxwell’s equations and applications.
Use these principles in other courses and everyday life (e.g. figure out your electric bill).
Apply the knowledge of physics in public affairs and help improve higher education in the U.S.

**Methods for assessing the expected learning outcomes:**
1. Examinations and grades.
2. In-class responses by students.
3. Class discussions for assessing the assimilation of knowledge.
4. Feedback from students after graduation about the usefulness of physics.