

**PH2400**

**General Information**

**Spring 2001**

Instructor: Bryan Suits

Office: Fisher 105

Phone: 7-2093

Web Page: <http://www.phy.mtu.edu/~suits/PH2400>

email: suits@mtu.edu

Text: Serway/Beichner, Physics for Scientists and Engineers with Modern Physics, 5<sup>th</sup> Edition.

PH2400 - University Physics IV is an introductory course covering interference and wave phenomena including diffraction and light waves, modern physics including relativity, quantum mechanics, atomic and molecular physics, nuclear physics and particle physics. Due to the quarter to semester conversion, material from some earlier chapters is also included this semester. As this is a small class, I hope that we can keep a relatively informal environment.

The class meets Tuesdays and Thursdays. The assignment schedule includes reading and homework question and problem assignments for each class period. You are expected to do the reading before the class period and the problem assignments before the next class. In class, we will go over any problems you may have had with the previous problem assignments, review the new material, occasionally have demonstrations, and work out sample problems.

Note that the assignment schedule will be updated during the semester. Copies are available on the web page if you lose your printed version.

All homework assignments are to be turned in and are due no later than the beginning of the class period one week after the date on the assignment schedule. Homework will be graded so that each part of a question or problem is 2 points - 1 point for "effort" and 1 for correctness. Late homework is accepted, but with an automatic reduction of 2 points for each weekday (excluding holidays) the homework is late. No homework will be accepted after the final exam is given in any case.

Your course grade will be based on homework, three (3) midterm exams, and the final exam in equal proportions (20% each). I expect to use a grading scale for your course grade which looks like:

A	90-100%	C	70-75%
AB	86-89%	CD	66-69%
B	80-85%	D	60-65%
BC	76-79%	F	0-59%

Midterm exams will be done during a normal class period. You may bring to these exams one (1) equation sheet of your own construction, no larger than 8 ½ by 11 inches. This sheet can have anything on it you would like *except* worked examples. Equation sheets will be turned in with the exam papers. Exams will be graded not only on the answer you obtain, but also on the way you got that answer. Exam scores are not curved.