

SP211 Course Policy Statement, Fall '02

Instructor : Prof. J. P. ERTEL, Mi-338, x36657w, 757-6618h

Section(s) :	1121	2141
Class Meeting Time :	MWF1	MWF2
Classroom :	Mi-201	Mi-201

I. PREPARATION FOR CLASS & HOMEWORK

Preparation for class is your individual responsibility and only you can judge the amount of time that is required for you to be properly prepared. However, here are a few guidelines:

1. read and study the material designated by the lesson assignment sheet or by me before each class;
2. make notes on those areas with which you have trouble and jot down possible questions on this material.
3. attempt to work some, if not all, of the problems assigned for that lesson before each class and keep them in a notebook for possible E.I. (see section III. E.I. below);
4. make extensive use of the **SP21X WEB** site and the solutions found there for all assigned homework problems!

Regular homework will NOT be collected for a grade! The solutions to all example homework problems listed in the course syllabus may be found on the Physics Dept. WEB server, and you have received instructions and a URL via e-mail. Even so, you are expected to keep a homework notebook in either a standard **spiral-bound notebook** or in a **3-ring binder**.

The homework problems mentioned above are given for your benefit! You are advised that these problems are considered to be the minimal subset of those that you should be able to work in order to consistently obtain a C or better on all tests/quizzes/exams. Do yourself a favor and do your homework!

II. RECITATION & CLASS PARTICIPATION

From time to time, with no previous warning, other than this Course Policy Statement, you will be called on to present, both to the class and to me, your version(s) of how to work a particular problem that has been assigned. In this context, you may use your homework notebook in your presentation. Your contribution and presentation will be judged, totaled, and averaged into your final grade with the weight of a test (see tests below). **You see, pre-class preparation is very important!**

III. E.I. (EXTRA INSTRUCTION)

Although, I will sometimes suggest the need for E.I. to certain students that I believe are having specific conceptual difficulties, it will be your responsibility to schedule E.I. **Do not come to individual E.I. without having at least read the assigned material and tried to work the problems!** I am available for E.I. at any time other than 1st & 2nd periods during which time I have class/lab. I am also available during lunch time and most evenings, by appointment. And remember our group E.I. every Wednesday evening at 1900, Mi-220, plus the many Physics Departmental E.I. offerings Monday, Tuesday, and Thursday evenings at 1900, Mi-220).

IV. QUIZZES

Quizzes will be given aperiodically either in class or as a "take-home" (to keep us on our toes), and the results will be totaled and averaged into your final grade in the same manner as your recitations and in-class participation, equivalent to 1 test.

V. TESTS

There may be a number (about 4 or 5) of tests/exams during the term which will be in class and closed book. These will usually last about 50 minutes. Make-up tests will be given to those who, for approved reasons, must be absent. Tests will be announced at least 1 week ahead of time, and you are expected schedule accordingly, ***including obtaining relief from watch and other duties for all tests.*** Two of the tests mentioned above will probably be given during regular class/lab periods during Academic Reserves.

There may also be some take home graded tests for which you may use any of your own notes as well as any books you may find as an aid. You may not obtain help on these assignments from any other individuals, MIDN or Faculty. ***Seeking or accepting help from others is the only thing that is not allowed on these assignments and would constitute an Honor Violation!***

With the exception of the exams during Academic Reserve periods for which you will be given instructions at the appropriate time, all tests and graded homeworks must be done on standard 8.5"x11" paper in dark blue or black ink or dark black pencil; ***smaller or larger paper or other colors of ink or pencil are not acceptable.***

VI. LABORATORY

Laboratories are expected to be done in the Lab! I realize that this is a radical idea, however, we will require most, if not all, of a laboratory to be completed in the allotted Lab period. Labs must be written up in a style and manner to be described in another document ***SP211 Lab Policy Statement, Fall '01.***

VII. FINAL EXAM

There will be a 3 hour course-wide final exam given to all persons taking SP211. Your grade will be determined by comparison to the grades of all others taking this exam.

VIII. GRADES

Grades will be **linearly scaled** to a standard with which you are all familiar:

greater than or equal to 90	=>	A;
greater than or equal to 80 (but less than 90)	=>	B;
greater than or equal to 70 (but less than 80)	=>	C;
greater than or equal to 60 (but less than 70)	=>	D;
less than 60	=>	F.

Your cumulative grade at 6 and 12 weeks will be calculated according to the following approximate weights:

~ 80%	for Tests, Graded Homeworks, Quizzes, & Recitations;
~ 20%	for Laboratories.

Your final cumulative grade will be calculated according to the following approximate weights:

~ 64%	for Tests, Graded Homeworks, Quizzes, & Recitations;
~ 16%	for Laboratories;
~ 20%	for the Final Exam.

SP211 Lab Policy Statement, Fall '02

Instructor : Prof. J. P. ERTEL, M338, x36657, 757-6618

Section(s) :	1121	2141
Lab Meeting Time :	Tu12	Th12
Laboratory :	Mi-A3	Mi-A3

I. PREPARATION FOR LAB

Preparation for Laboratory is your individual responsibility and only you can judge the amount of time that is required for you to be properly prepared. However, here are a few guidelines:

1. before each Lab, download, printout, read and study the appropriate Lab which you can obtain from the **SP211 Lab Manual** section of the **SP21X Support WEB page**
<http://physics.nadn.navy.mil/physics/courses/sp211sp212.html>;
2. think through the steps of the Lab and try to anticipate some of the experimental difficulties that may arise;
3. make notes on those areas with which you are confused and jot down possible questions on this material.

Laboratories are expected to be done in the Lab! I realize that this is a radical idea, however, we will require most, if not all, of a laboratory to be completed in the allotted Lab period (this is, after all, why we call it the Lab period). To this end, a simple rule will be followed: in order to leave the Lab before the end of the 2-hour period, your group may be required to turn in your completed Lab for grading. In any case, Lab reports are due NLT the start of the next scheduled lab period (or as otherwise specified). The equivalent of one letter grade will be deducted for each class day that a Lab report is late!

II. LAB REPORTS

Copies of each lab should have been saved in "word processing file" when they were pulled down from the WEB (see above **I. PREPARATION FOR LAB**). You may decide to write up your Labs using a W/P (Word Processor), and these may be kept in a 3-ring binder Laboratory Manual that you should build during the term. They should always be properly backed up on disks somewhere and are therefore presumed to be fully reproducible.

The maximum possible use of a W/P in the preparation of these Lab reports cannot be over encouraged! As neatness is an important characteristic both of all scientific endeavors and of a Naval officer, this will be part of the overall Lab grade. (see below **III. FORMAT**) In all of this you are encouraged to make full use of the MS-Word file masters for each lab.

III. FORMAT

Labs must be written up in a standard "block format" and should begin with the title of the Lab as well as the names of all Lab partners. There should then follow some statement as to the purpose of the Lab followed by the main body of the write-up. Each required step in the Lab should be mentioned consecutively, including:

1. a written statement of the proposed experimental step together with any drawings that you feel necessary or illuminating;
2. a sample of any typical calculations that must be done before actually taking the data;
3. a table of data enclosed by a blocked border which includes all units and associated calculated values for and estimates of error in each piece of data taken;
4. lastly, any calculations needed to obtain the results and associated uncertainties of that particular step in the experiment together with any plots and fits to the data that may be needed.

The previously stated procedure is then repeated for each step in the Lab as indicated either by the Lab handout or by myself. Finally, there should be one or more sections of results and conclusions. As mentioned above, in all of this you are encouraged to make full use of the MS-Word file masters for each lab.

IV. LAB GRADES

Your Laboratory Grades will be averaged and figured into your cumulative grade as described in another document, **SP211 Course Policy Statement, Fall '01**.

Again, let me say that only one Lab report will be turned in for each group! Each member of a group will receive the same grade for that Lab. It would be best for you to rotate the members of your Lab group among the entire section! If necessary, I may reassign Lab partners.