PHYSICS 108
Introduction to Engineering/Physics

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Text: **College Physics** 10th ed (Schaum's Outline)	Phone: 468-3001

PHY 108 is an introductory course in physics problem solving geared toward prospective engineers and physicists. You will learn a cooperative problem solving approach. Students are graded on the extent of and quality of their interaction. This course along with analytic geometry will prepare the student for the rigors of the PHY 240 series. The syllabus for each section listed above outlines the tentative course of study. You should understand that it is not final and may be expanded, depending upon time constraints.

HOMEWORK: Your homework problems will be of professional quality and professionally presented. They will be complete in themselves to the extent that any competent person can determine the following: (a) the problem you are solving, (b) your method of solution, and (c) your answer. To assure these things you must adhere to the following rules.

- Use 8½ X 11 paper from the *Engineer's Computation Pad*.
- Write in pencil on **one side of the page only**.
- Each problem will have a header at the top and 1.0-inch margin around the rest of the page for comments by the grader. Click here to see an example page.
- Each problem must be started on a **new page** and if more than one page is required to present a problem, the pages must be stapled together in the upper left corner and left flat (not folded) before they are submitted for grading.
- Include the following when working a problem: your name, chapter and

problem number, page numbers, sketch, definition of variables used in the solution, units, vector arrows, numbering of equations when needed for clarity, organized steps in the solution, and identification of the answers with boxes. Any graphs required for the solution should be attached to the end of the problem.

Several problems will be selected for grading from each set. The total homework grade will be normalized and count a maximum of 100 points toward the final grade.

PRESENTATIONS: Oral presentations, attendance, and performance during class will count as 50 points toward the final grade.

PORTFOLIO: A portfolio of **all** the problems presented in class will be required. Portfolios are due on exam days for the section of the course covered by the exam. Your problems must be presented in standard format on engineering paper. Your portfolio will count 50 points toward the final grade.

EXAMS: There will be six timed exams this semester. The exam will consist of three or four problems similar to those worked for homework. Each test will be worth a maximum of 100 points toward the final grade. Students will have one week after the exam is returned to discuss any possible error in the grading. After that time no change will be made in the grade.

FINAL GRADE: The maximum total points possible will be 800 and a final grade will be assigned according to the following:

720-800 **A** 640-719 **B** 560-639 **C** 480-559 **D** 000-479 **F**

Academic Integrity (A-9.1)

Academic integrity is a responsibility of all university faculty and students. Faculty members promote academic integrity in multiple ways including instruction on the components of academic honesty, as well as abiding by university policy on penalties for cheating and plagiarism.

Definition of Academic Dishonesty Academic dishonesty includes both cheating and plagiarism. Cheating includes but is not limited to (1) using or attempting to use unauthorized materials to aid in achieving a better grade on a component of a class; (2) the falsification or invention of any information, including citations, on an assigned exercise; and/or (3) helping or attempting to help another in an act of cheating or plagiarism. Plagiarism is presenting the words or ideas of another person as if they were your own. Examples of plagiarism are (1) submitting an assignment as if it were one's own work when, in fact, it is at least partly the work of another; (2) submitting a work

that has been purchased or otherwise obtained from an Internet source or another source; and (3) incorporating the words or ideas of an author into one's paper without giving the author due credit. Please read the complete policy at

http://www.sfasu.edu/policies/academic_integrity.asp

Withheld Grades Semester Grades Policy (A-54)

Ordinarily, at the discretion of the instructor of record and with the approval of the academic chair/director, a grade of WH will be assigned only if the student cannot complete the course work because of unavoidable circumstances. Students must complete the work within one calendar year from the end of the semester in which they receive a WH, or the grade automatically becomes an F. If students register for the same course in future terms the WH will automatically become an F and will be counted as a repeated course for the purpose of computing the grade point average.
The circumstances precipitating the request must have occurred after the last day in which a student could withdraw from a course. Students requesting a WH must be passing the course with a minimum projected grade of C.

STUDENTS WITH DISABILITIES

To obtain disability related accommodations, alternate formats and/or auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS), Human Services Building, and Room 325, 468-3004 / 468-1004 (TDD) as early as possible in the semester. Once verified, ODS will notify the course instructor and outline the accommodation and/or auxiliary aids to be provided. Failure to request services in a timely manner may delay your accommodations.

This syllabus and other course materials can be made available in other formats. This course meets certain objectives of the ExCET/TEKS. A copy of the objectives and course correlations is available in the ExCET Advisor's office.

F-1 Visa Holders
There are important federal regulations pertaining to distance education activity for F-1 Visa holders. All students with an F-1 Visa should follow the instructions at the following link to make sure they are in compliance. http://www.oit.sfasu.edu/disted/facsup/f1visa.html