

PHY/EGR 321.001 (Engineering Dynamics) - Spring 2009

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Physics Homepage: www.physics.sfasu.edu

Course Home Page: <http://www.physics.sfasu.edu/downing/321HomePage.htm>

Office Hours: 10:00-10:50 MTWRF; 2:30-3:30 TWR, or by appointment

Text: Vector Mechanics for Engineers: Statics and Dynamics (8th Ed.) by Beer & Johnston

Course Information

There will be 3 tests worth 100 points each. The final exam will count 1.5 times as much as a regular exam, and it is comprehensive. The exams will be worth 75% of your grade and the homework will be worth 25%. Grades will be assigned according to the following percentages.

90	-	100%	A
80	-	89%	B
70	-	79%	C
60	-	69%	D
0	-	59%	F

Students will have one week after the return of their graded exams to discuss any possible errors made in the grading. Thereafter, no changes will be made concerning the grades for that exam. Keys to each exam will be posted in or near the lecture room after each test. In each case the keys will be removed when new keys are posted. **Absences from lab must be made up through extra homework. The first absence incurs one extra homework problem. Any further absences will incur three extra homework problems for each absence occurrence. Each of these extra homework problems must be submitted until each is completely correct. A deadline will be set for the completion of each extra problem. Failure to meet this deadline will increase the number of problems required. Failure to complete all extra homework by the end of the semester will result in a grade of WH until the work is totally completed. (WH's turn to F's if not completed within one year.) Every four absences from lecture will count as if it were one lab absence, and lab absence rules will apply. Every four tardies (five minutes or more late) to lecture or lab will count as one lecture absence.** Students should become familiar with the policies on cheating and plagiarism.

This syllabus is just a guide. The test dates are semi-firm. Be sure to note those and do not schedule activities that will conflict with them. **If you miss an exam with a reasonable excuse, you will be allowed to count the final exam extra to replace your missed exam. Reasonable excuses must be written and from the proper authority.**

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. Students with documented disabilities who need course adaptations or accommodations should schedule an appointment with the instructor as soon as possible.

Bring this syllabus to every class meeting.

Format for PHY/EGR 321 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, without reference to any material other than what you present, 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.

1. Use engineering pad paper for your problems and cover sheet. The cover sheet must include the following information or the homework will not be graded:

- Your name
- Course and number
- Date
- Problems contained within the set
- A space for assigning a grade
- Proper staple in upper left

2. Before submitting homework for grading, check for the following:

- Problem number and statement
- Problems neat and in correct order
- Organized steps in the solution
- Identification of the answers with boxes
- Sufficient space for grader comments
- No more than one problem per page
- No pages with work on the back side
- Homework left flat (not folded)
- Pencil used instead of ink

3. Include the following when appropriate while working a problem:

- Sketch
- Definition of variables used
- Units and vector arrows
- Numbering of equations for clarity
- Needed graphs at the back of the problem

Homework Grades

Homework will be due in class on the date requested. Late homework is unacceptable. Each problem will be graded on a 5 point scale with partial credit given. Oral presentations, attendance, and performance during the problem sessions will count as 50% of the homework average. You are expected to know how to work any problem that you have submitted as a completed problem for homework, and you may at any time be requested to work that problem for homework credit. “See me’s” and “get out of jail” passes will be discussed in class.

Classroom Policies

For the benefit of your fellow students and your instructor, you are expected to practice common courtesy with regard to all course interactions. For example:

- Be considerate toward your classmates and instructor and **arrive to class on time**.
- Do not leave class early and do not create distractions in preparation to leave before class is **dismissed**.
- Avoid classroom disturbances. Be attentive in class, stay awake, and do not read newspapers, etc. While in class your readings should be confined to the course text and notes.
- If you are late to class or must leave early, please inform your instructor in advance (enter or leave quietly, don't walk across the front of the classroom (use the side aisles) and don't walk in front of the projector).
- **Cell phones, pagers and other communication devices must be turned off during class.** Confiscation may result for non-compliance.
- Be kind and respectful to your fellow students and your teachers.

Cheating and Plagiarism

Here is the University Policy on Cheating and Plagiarism: http://www.sfasu.edu/policies/academic_integrity.asp
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 (homework, clicker, exams, lecture or lab); (2) the falsification or invention of any information, and/or (3) helping or attempting to help another in an act of cheating or plagiarism. Penalties may include no credit for component or failure of the course.

Email Communications

Make sure you always use your SFA e-mail account for network correspondence. Messages from your instructor will be sent to your SFA email account periodically. To get a free SFA email account go to <https://apache.sfasu.edu/accountman/>. You may forward e-mail from your SFA e-mail address to another address of your choice. To do this, use this link: <https://apache.sfasu.edu/accountman/mailindex.html>.

Hints for Success in PHY/EGR 321

- ✓ You will benefit much more from lecture if you **read the text** material before coming to class.
- ✓ Attend class and take notes. Don't try to copy everything I say, write on the board, or show in slides or video. Leave enough space in your notes to complement them through a thorough **reading of the text** material. I generally present material in class in the same order as the text. This makes it easier for you to augment your notes.
- ✓ Read the "Solving Problems on Your Own" sections preceding the problems and the "Review and Summary" section at the end of each chapter.
- ✓ If you have problems trying to comprehend this material, please do not hesitate to come and visit with me. I have truly enjoyed working with students, and often I have found that I am most effective with them when they have brought their questions and problems to me in my office.
- ✓ **The most important things you can do are read the book, attend class and be attentive, and do the homework!!!**

Bring this syllabus to every class meeting.