Saddleback College

Syllabus

Instructor: Dr. William Hubbard
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Course Description:
Statics is the study of force systems under equilibrium conditions. Force systems are analyzed for trusses, frames and machines, which are subjected to concentrated, distributed and frictional forces. Graphical and mathematical methods of analysis are used, including virtual-work.

Prerequisites
Physics 4A is a prerequisite for this course.

Required Materials
Scientific calculator with trigonometric functions
Transparent plastic straight edge or small draftsman’s triangle.

Course Grade
- Exams (3@25% each) ----------------------------------------------- 75%
- Final Exam ---------------------------------------------------------- 25%
- Homework ------------------------------------------------------------- 5%
--------------------------------------------------------------------- (I know, it adds up to 105%)

Your grade will be based entirely on your performance in the areas indicated above. All of the exams will count. (I.e., I will not drop the lowest grade.)
The final exam is a comprehensive exam covering all of the material in the course.
This is a difficult course and we are required to cover a lot of material. While I applaud your involvement in extracurricular activities such as campus organizations, such participation is not an excuse for poor performance. You are responsible for adjusting your schedule of commitments so that you do not overextend yourself at the expense of your performance in this course. Additionally, while I understand that for some students it is necessary to work while attending college, I cannot make exceptions to the course requirements to accommodate your work schedule.
As a rule-of-thumb a college course requires three hours of out-of-class study every week for each unit of credit. That means that a 3-unit course typically requires 9 hours of study in addition to the 3 hours of class. I strongly recommend allowing yourself even more time than this.
Saddleback College has a responsibility to maintain certain standards in order for its courses to be accepted by the state universities. These standards are constantly under review by the universities. The only reason that you have the opportunity to take courses here for transfer to the university-system schools is because Saddleback has maintained these standards in the past. We here at Saddleback are committed to continuing to maintain these standards so that future generations of students can have the same opportunity currently afforded to you.
Homework Policy

Engineering is learned by doing the homework. You can’t learn engineering without picking up your pencil and doing the homework.

Homework assignments are due as indicated in the attached schedule. Homework is checked for completeness. Individual problems will not be graded – if you don’t do the homework it will be evident on the exam.

If you have trouble with a homework problem come see me before and/or after class. In addition, I have a class in MS 104 between 10:30 and 12:00 Tuesday & Thursday. Come see me before or after that class for short questions.

Cheating Policy

Students caught cheating on an exam or lab assignment will be subject to the college policy. The student should read the Student Handbook for a description of this policy.

Attendance Policy:

Class attendance is vital for several reasons:

- We will occasionally cover material in class that is not in the text. This material will be covered in the exams.
- We will occasionally have a “pop quiz” which will count toward your final grade (extra credit) and which cannot be made up.

Class attendance will be recorded as required by college regulations and state law. Any student missing 6 or more hours of instruction is subject to being dropped from the class. If you come in late, be sure to let me know so I can count you as present.

Do not plan outside activities such as doctor visits (except emergencies), trips to universities, studying for exams, etc during class or lab time.

Class begins at 1:00. Late arrivals disrupt the entire class. Be on time.

Make-up Exams

Makeup exams are given only for extreme circumstances. Proof of excused absence will be required, e.g., doctors note, police report of accident. The makeup exams are harder (and different) from the normal exam. No makeup can be given for the final exam (no exceptions). Pop quizzes can not be made up.

Makeup exams will be taken in the Math/Science division office at the student’s convenience. The makeup exam will be available as soon as possible after the student has demonstrated proof of excusable absence (usually within 1 week). The exam must be completed within 1 week after it is made available. Exams not made up on time will receive a grade of zero.

Students with Disabilities

If you have specific disabilities and require accommodations, you must let me know during the first week of the semester so that your needs may be appropriately met. You will need to provide documentation of your disability to the Special Services Office in the Student Services Center, Room 113.