ME200 Fall 2014
SDSU
Homework 6

Dr. C. Alex Simpkins

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1 Introduction

This homework will cover Chapter 8. This document is 3 pages (some people looking at this on smart devices seem to only see initially the first page, so be sure to scroll through all pages.

1.1 Grading

This homework is the second homework to be worth a bonus of 2% of your overall grade. In other words, if you complete all the problems reasonably well, you will receive a bonus of 2% for this homework. However, complete as many problems as you can, because we'll look at the number that you complete and scale the bonus.

If you do the assignment on Mastering Engineering, you'll get more detailed feedback on calculations and an immediate point score. If you hand in also or instead, you'll get feedback on your approach, your style, and other such details.

1.2 Tips

They key here is again to practice the problems, see the repeating patterns of problem type and the approach to solving them. If you have trouble, when faced with a problem, as to how to approach that particular problem, you might want to create a memorization page which says, given a particular problem type, what are the steps to solving it. Also you could start on your note sheet for the test - start with a few pages and larger font, which you can rewrite later. Then you can refer to that to help you, and on the test, it will remind you of your practice.

Make use of the Pearson site's video tutorials and worked problem examples, they are great.

2 Reading

2.1 Book

Read Chapter 8 entirely if you have not already.

3 Problem assignment

Problems from Hibbeler AND on mastering engineering. **This assignment has a change.** I know most of you have the MasteringEngineering access. So the assignment has been duplicated on the mastering engineering site, and please go through and do your assignment there if you have access. If you do not, you can turn in a hand written one for feedback. If you want to also turn something in for feedback, let me know on the cover sheet of your homework. Then we can give you some feedback on how you actually write your answers, beyond the answers themselves. But they can grade you directly as you go, so it's helpful and will give more detailed feedback than otherwise possible for us.

The Mastering Engineering online homework has video tutorials for each section and feedback and hints for each problem, so it's worth going through there. The assignment is worth 2% bonus, though the web page will state something about it being a specific graded set of points.

Remember the steps we laid out in class (and in the book), be organized, do your actual calculations at the end, double check yourself after a calculation. It is easy for errors to propagate through a solution.

Just to review - you aren't REQUIRED to do this on mastering engineering, but if you have access it is helpful, and you'll get immediate feedback and scoring.

- F8.1, F8.2, F8.5
- 8.2, 8.5, 8.12, 8.30, 8.57, 8.61, 8.65, 8.85 8.93

4 Studying additional materials

4.1 Pearson's Mastering Engineering Study Pack

It isn't clear if this is included with the code you purchased, so if the following are accessible, please use as a resource to help clarify any confusing areas for you. Here is the study area, with the videos, worked examples, and additional problems:

- `http://wps.pearsoned.com/ecs_hibbeler_mastering_statics_13/`

Here you will find about 1000 problems over all the chapters which are solved. You are presented with a particular problem, and can work it out, then click to have the solution shown to you.

The specific link for the worked problems are here:

- http://media.pearsoncmg.com/ph/esm/ecs_hibbeler_engineeringMechanics_13/student/hibbelerWorkedExamples.pdf

Go to www.masteringengineering.com, and go to the study area. From there you will see many video links. It is suggested you go through anything you are still unsure of, and the tutorials/videos. The link to video tutorials is here:

- http://wps.pearsoned.com/ecs_hibbeler_mastering_statics_13/223/57272/14661775.cw/index.html

These videos are excellent, and highly recommended if you are having any issues, and even if you are not to really solidify your comprehension of these problems.

If you have trouble accessing these resources please let me know. We are going to specifically integrate the pearson site as an adjunct resource, so if you still have no access and haven't found a friend in the course with access, please let me know.