ME200 Fall 2014
SDSU
Homework 3

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1 Introduction

This homework will cover Chapter 4. This document is 2 pages (some people looking at this on smart devices seem to only see initially the first page, so be sure to scroll through both pages.

1.1 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 4 entirely if you have not already. This was announced last week, though you may have focused on the midterm most of the week. The problems will cover up to 4.7, but we will be hopefully getting through all of Ch 4 this week, so you should have read it before class if possible.

3 Problem assignment

Problems from Hibbeler. As usual, use the fundamental problems for practice first. Before looking at the solution, try the problem. How would you approach it? 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.

- F4.1, F4.2, F4.3, F4.4, F4.6, F4.9, F4.12, F4.14, F 4.17, F4.19, F4.21, F4.23
- 4.5, 4.6, 4.7, 4.17, 4.25, 4.34, 4.47, 4.55, 4.67, 4.69

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 chapter 3 tutorials/videos for 2D problems. 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.