

MEC 219 / EEC 246 – Parametric Design of MEMS – Spring 2009

Discussion Section Syllabus

Professor: *Albert P. Pisano*

Teaching Assistants:

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Office Hours

Office hours are listed on the website, if you need to meet with the TA or the Professor come during office hours or make an appointment.

Discussion Sections

There will be discussion sessions throughout the semester. The first section will present a quick overview of MATLAB and a little about Strength of Materials at the end. The following sessions will be held to prepare for and go over the class projects. In addition, materials from class will be reviewed and explored in greater depth.

Advice on the Projects

The projects for this course are difficult and time consuming. You must plan ahead to avoid unnecessary headache for yourself. Here are a few helpful hints for the projects:

1. **Pick a partner early.** Pair with someone in a different department if possible and at the very least, a different lab.
2. **Make a plan to divide and conquer.** Most projects have multiple parts; divide those parts up early (the day it is assigned). Set aside several hours to meet with your partner soon after a project is assigned to start working.
3. **Finish early.** Finishing early allows you to go back and proof read, this can make a big difference when it comes to grades. Plus, if there are points you don't understand, this gives you time to go to the professor or the TA for help.
4. **Think about what you are doing.** Think about the reasons why you are doing each step while solving the problem. Your report is just a list of these explanations.
5. **Be short and to the point.** Prof. Pisano prefers concise, accurate reports. Be concise, complete, and justify what you have done logically. If you're not sure what to say, stop writing and jot out a few points.

A Reminder about Plagiarism

The Mechanical Engineering Department and the Professor take plagiarism very seriously, and the consequences will be severe for all parties involved. The following is the University Policy on plagiarism taken from the UCB general catalog.

University Policy on Cheating or Plagiarism (From the UCB General Catalog)

Achievement and proficiency in subject matter include your realization that neither is to be achieved by cheating. An instructor has the right to give you an F on a single assignment produced by cheating without determining whether you have a passing knowledge of the relevant factual material. That is an appropriate academic evaluation for a failure to understand or abide by the basic rules of academic study and inquiry. An instructor has the right to assign a final grade of F for the course if you plagiarized a paper for a portion of the course, even if you have successfully and, presumably, honestly passed the remaining portion of the course. It must be understood that any student who knowingly aids in plagiarism or other cheating, e.g., allowing another student to copy a paper or examination question, is as guilty as the cheating student.

In the context of the projects assigned in this course, the following will be considered plagiarism:

1. Use of another group's and/or individual's MATLAB code, results, numbers, and/or graphs (i.e. use of material that is not your/your group's work).
2. Copying text / images / code from the web without listing the source.
3. Use of another group's/individual's derived equation set.