MAE126B Senior Design / Research / Consulting Project

Prof. Kleissl

1

Main components

- – Research (small literature study)
- – Study design (e.g. to develop an experiment)
- – Design / Experimental analysis (actual experiments, computations, drawings, construction)
- – Documentation (presentation, report or poster)
- – Outcome: working prototype / laboratory experiment

2

Organization

- Each project has a
  - **Project Advisor** (person you closely work with and meet on a regular basis)
  - **Course Advisor** (person who evaluates your work and meet once a week for progress on project)

- Each student in group (of 4) working on projects gets assigned a *specific responsibility*.

1. Presentation of possible projects
2. Review projects on class website
3. Sign up for a project (group of 4)
4. Meet with Project Advisor in 1st week
5. Background research, project planning and organization in 1st, and 2nd week
6. Initial Design / Experimental results by 4th week
7. Refine design / experiments, collect data in remaining weeks
8. Final report and poster

4

- You can propose your own project. Email jkleissl@ucsd.edu.

- Still not signed up?
  - Search website for groups with <5 team mates and not 'closed for signup' or 'preassigned'

Information on projects:

- Overview of most of the projects will be presented in this lecture

- (Additional) projects and class information will be updated on the mae126b website at:

    http://maeresearch.ucsd.edu/kleissl/126B.html

- Contact the Project Advisor or Course Advisor if you have questions about the project.

Make sure you:

- Form a *group of 3 to 5* students to work together and assign *one person as contact person*.

- Decide on projects that you would like to work on, with **4** *choices in order of priority*.

- The contact person sends email request to Prof. Kleissl

not earlier than Thu Mar 23, 5pm

- The projects are:
  - Assigned on first come, first serve basis
  - Pre-assigned (partially) in case a project was proposed by students

- The contact person of the group sends a **single email** to jkleissl@ucsd.edu *not earlier than Thu Mar 23, 5pm*
- In your **email request** make sure to mention:
  - The *names and email addresses* of **3-5 persons** in your group
  - The name and project numbers of *your* **1ˢᵗ 4 choices** *for projects in order of preference*
- Emails requests that have either
  - Less than 3 or more than 5 persons in a group
  - a person signing up for multiple groups

  will move to bottom of priority list
- Project sign-up will be updated on the website at http://maeresearch.ucsd.edu/kleissl/126B.html during spring break