

BIOEN 482: Bioengineering Research & Capstone Design Spring 2010

Instructors

Your research advisor

and

Christopher Neils

Office hours: Mondays 2 - 4 pm, Tuesdays 12 - 1 p.m.

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Web site: <http://courses.washington.edu/bioen482>

Class Meetings

BIOEN 482 meets Mondays at 4:30 in the Bioengineering seminar room (Foege N130A). On the days checked below, we meet as a whole class to discuss general report issues or hear research progress reports. On days that are not checked, the class period is available for discussing individual projects. Of course, you are always welcome to make an appointment or contact me by email if you have questions about your project.

	Date	Topic / Activity
✓	Mar 29	Current events Sign up for presentations on April 12
	Apr 5	Office hour 3:00 – 4:45
✓	Apr 12	Student progress presentations Doug, Sara, Carlos
	Apr 19	Office hour 3:00 – 4:45
✓	Apr 26	Student progress presentations Eric, Risa, Alyssa
✓	May 3	Progress-in-your-field updates Presentations ?
	May 10	Office hour 3:00 – 4:45
✓	May 17	Presentations: Monica, David Z., Tad Course evaluations (if time)
	Fri. May 21	3:30 <i>in</i> N130: Capstone presentations to BIOEN 401 class ----- Last day to submit report to me for comment
✓	May 24	CIDR review
	May 31	No school – Memorial Day
	Fri. June 4	Final report due to your advisor
		There is no final exam

Purpose of the weekly or monthly meetings

The majority of the capstone project work in the capstone project is done in the lab, library, or meetings with your research group. The topics encompass too wide a scope to try to teach specific bioengineering techniques in the weekly meetings. However, the class meetings give us a chance to add to the lab experience in the following ways:

- Practicing oral presentations
- Obtaining feedback on written work
- Engaging in discussions of current events
- Bringing classmates together to discuss technical and emotional challenges.

Assignments:

1. As you have done in prior quarters, write a brief statement of **progress in your field** in the past two quarters. Sources will include your own reading, conversations with members of your research lab, and citation searches on the articles that you have cited previously in your proposal. Please send an electronic copy to the instructor for possible inclusion in the course grade, and bring a copy to class to cite during our discussion.
2. Each student is expected to give a **podium presentation** of the proposed work and progress at least once in the first two quarters of BIOEN 482. Students are also invited to present during their last quarter.
3. You have learned a great deal over the past 3-4 years, and we do not want it to slip away. To help retention, we will have a brief **capstone quiz** covering material from your entire bioengineering curriculum. Please submit two questions about material that you have learned in your UW coursework and that you are using in your capstone project. They can be multiple choice, short answer, etc... anything that can be finished in two minutes or less. The questions will be compiled into an exam that we will take – for fun – toward the end of the term.
4. All BIOEN 482B students must give a **public podium presentation** of the capstone work – a regular presentation in a regular BIOEN 482 meeting does not count. Students registered for BIOEN 482A are welcome to present as well.

None of the activities in the class meetings are *currently* graded, but attendance will be taken in case anyone asks. Other aspects of course grading will be discussed later in the quarter.