

BME464L: Medical Instrument Design

Class Syllabus (Fall 2013, Palmeri)

- Instructor:** Dr. Mark Palmeri (mark.palmeri@duke.edu)
- Lab Master:** Matt Brown (matt.brown@duke.edu)
- Teaching Assistant:** Dongwoon Hyun (dh65@duke.edu)
- Lecture:** Tuesday and Thursday from 11:45 - 13:00 in 201 Hudson Hall
- Lab:** Thursday from 16:40 - 19:40 in P012 Teer
- Class Website:** <http://people.duke.edu/~mlp6/BME464L/> This website is actually a git repository hosted and rendered by GitHub! Please be sure to check the website often for announcements, deliverable deadlines, project resource, and useful tips as your projects progress throughout the semester. Content changes on the website will be tracked through the commit history to the git repository used to manage class resources by Dr. Palmeri. Significant changes and additions to the website will be announced by email.
- Attendance:** Lecture / lab attendance _and_ participation count for 10% of your class grade. I understand that students will have to miss class / lab for job and school interviews, personal reasons, illness, etc. Absences will be considered *excused* if they are communicated to Dr. Palmeri at least 48 hours in advance or through submission of Short Term Illness Form (STIF) [ADD URL HERE!!]. Unexcused absences will count against the attendance and participation component of your class grade.
- Office Hours:** Dr. Palmeri has scheduled office hours on XXXX from XXXX to XXXX. Other days / times are always available by appointment, and there is an open-door policy active all semester (i.e., if my office door is open, then you are welcome to pop in).
- Textbooks & References:** Coming Soon!
- Electronic Lab Notebooks:** LabArchives or GitHub
- Grading:** The following grading scheme is subject to change as the semester progresses.

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|-----------------------------------|-----|
| Attendance & Participation | 10% |
| Progress Report #1 & Presentation | 10% |
| Progress Report #2 & Presentation | 10% |
| Final Code (git) & Documentation | 10% |
| Final Device Function | 15% |
| Final Report | 15% |
| Final Device User Manual | 10% |
| Final Presentation | 10% |
| Final Poster | 10% |

**Duke
Community
Standard &
Academic
Honor:**

Engineering is inherently a collaborative field, and in this class, you are encouraged to work collaboratively on your projects. The work that you submit must be the product of your and your group's effort and understanding. All resources developed by another person or company, and used in your project, must be properly recognized.

All students are expected to adhere to all principles of the Duke Community Standard: <http://www.integrity.duke.edu/standard.html> Violations of the Duke Community Standard will be referred immediately to the Office of Student Conduct.

Please do not hesitate to talk with Dr. Palmeri about any situations involving academic honor, especially if it is ambiguous what should be done.

**Words of
"Wisdom":**

- Do **not** procrastinate on your projects. It might appear that you have the entire semester to design and build your device, but you actually have less-than 8 weeks.
- Document everything in your electronic lab notebook. You never know what small detail you may need to remember in the future.
- Try to test code **before** you upload it onto your microcontroller.
- With respect to git: commit, commit, commit!! Make changes and additions small and modular.