

ME102B: Mechatronics Design

University of California, Berkeley
Department of Mechanical
Engineering

General Course Information

- Instructor: Liwei Lin
lwlin@me.berkeley.edu
- Office: 5135 Etcheverry Hall
- Office Hours:
 - Monday 4-5pm
 - Tuesday 11-noon
- Course Website:
<http://www.me.berkeley.edu/~lwlin/me102B/2018f.html>

- GSI: Yue Liang
lunaliang93@berkeley.edu
- GSI: Jacqueline Elwood
jacqueline_elwood@berkeley.edu

Other Key Personal

- Machine Shop (Sign Up Now!!!!)
 - Dennis Lee
 - Scott McCormick
 - ...
- Electronics/Motors
 - Tom Clark

Grading

PROJECT GRADE

- 5% Design Review I
 - Project Specifications
 - Conceptual Design
- 15% Design Review II
 - Parameterized Design
- 50% Design Expo
 - Prototype 30%
 - Final Report 20%

COURSE WORK GRADE

- 25% HW & Exam
 - HW 5%
 - Exam 20%
- 5% labs & participation
 - exam,
 - attendance

How Labs Work

- 4 Labs
 - <http://me.berkeley.edu/ME102B/labs.html>
- No Lab Reports
- Labs must be checked off by GSI during lab hours
- You may take the hardware home and finish all the labs
- All labs must be finished and Check Off by 8th week of the semester

Tentative Lab Schedule

- Monday 11-2pm & 2-5pm, Tuesday 2-5pm
- 8/27 lab – organizations & teaming (probably 30 mins)
- 9/3 – labor day, no class
- 9/10 – Lab #1
- 9/17 – Lab #2
- 9/24 – Lab #3
- 10/1 – Lab #4
- 10/8 – Design Review #1
- 10/15 – no lab
- 10/22 – Lab exam

More Course Information

- *Lecture*
 - Mondays & Wednesdays, 9:00 - 10:00am
 - 3 LeConte
- *Laboratory*
 - Monday 11-2pm & 2-5pm
 - GSI's will be available during these time to assist
 - Hesse Hall Room 50

Project Information

- What can you build that you couldn't do as a freshman
- Group Size
 - 4 - 5 Ideal
 - Please Fill and Return Information Sheet (Due: this Friday)
 - Groups Must Staple together Info sheets for members
 - People unable to find groups will be assigned groups by instructor
- Some Past Projects
 - Chalk Jet :
http://www.youtube.com/watch?feature=player_embedded&v=-roAPmxsBoU#t=122s
 - Korexina IV (Skyscraper cleaning)
http://www.youtube.com/watch?v=rgczlH8YzFA&feature=player_detailpage
- Class votes on Best Project of the Semester