

COLLEGE OF CHEMISTRY COURSE GUIDE (../INDEX.HTML)

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MECHE 107 - MECHANICAL ENGINEERING LABORATORY (3 UNITS)

(Taken from the UC Berkeley Course Guide (<http://guide.berkeley.edu>))

COURSE OVERVIEW

SUMMARY

Experimental investigation of engineering systems and of phenomena of interest to mechanical engineers. Design and planning of experiments. Analysis of data and reporting of experimental results.

PREREQUISITES

102A; senior standing

TOPICS COVERED

Through a series of three experiments from a number of experiments students design, perform, analyze, and report on complex prototypical engineering systems as a group.

- an ability to apply knowledge of mathematics, science, and engineering
- an ability to design and conduct experiments, as well as to analyze and interpret data
- an ability to identify, formulate, and solve engineering problems
- an ability to communicate effectively
- a recognition of the need for, and ability to engage in life-long learning

- an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice

WORKLOAD

TIME COMMITMENT

2-2 hours of lecture, 0-1 hours of discussion, and 3-3 hours of laboratory per week.

UC Berkeley Course Guide (<http://guide.berkeley.edu>)

COLLEGE OF CHEMISTRY PEER SERVICES

Made by Angela Lee, c/o 2019



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