# COLLEGE OF CHEMISTRY COURSE GUIDE (.../MAJOR.HTML)

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# CBE 154 - CHEMICAL ENGINEERING LABORATORY (4 UNITS)

# COURSE OVERVIEW

#### SUMMARY

Chemical Engineering 154 is offered every semester and is one of the capstone courses for chemical engineering students.

## PREREQUISITES

Core chemical engineering upper division courses

#### TOPICS COVERED

- Transport Processes
- Chemical Reactions
- Separations
- Fluid Mechanics

#### WORKLOAD

#### COURSEWORK

- Oral and Written Reports (90%)
- Participation (5%)
- Lab Notebook (5%)

#### TIME COMMITMENT

1 hour of lecture per week. 8 hours of lab per week. Additional hours for data analysis of the experiments with team members.

### CHOOSING THE COURSE

#### WHEN TO TAKE

The class is only juniors and seniors, as this is a capstone course for chemical engineering students. This course assumes knowledge of CBE 140, 141, 142, 150A/B.

#### WHAT NEXT?

• CBE 160: Chemical Process Design (cbe160.html) – another chemical engineering capstone course.

# ADDITIONAL COMMENTS AND TIPS

During the semester, groups of 3 or 4, conduct total 6 experiments and deliver 4 oral and 2 written reports. There are also fun side projects available, like brewing beer.

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Last edited: Fall 2018

#### **COLLEGE OF CHEMISTRY PEER SERVICES**

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lang=en) students/peer-

advising-

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