

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

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## **EDUC 224A - MATHEMATICAL THINKING AND PROBLEM SOLVING (3 UNITS)**

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

### **COURSE OVERVIEW**

#### **SUMMARY**

This course explores contemporary research on mathematical cognition, with a particular emphasis on "higher order thinking skills" and mathematical problem solving. We discuss various frameworks for characterizing mathematical behavior and various methodologies for examining it. As an "action oriented" course in the EMST curricular sequence, this course includes a major course project. In their project, students engage in research incorporating the main ideas studied in the course.

#### **PREREQUISITES**

None

Fall only

### **WORKLOAD**

#### **COURSEWORK**

#### **TIME COMMITMENT**

3 hours of lecture per week.

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

## COLLEGE OF CHEMISTRY PEER SERVICES

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