

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

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## **MSE 104 - MATERIALS CHARACTERIZATION (4 UNITS)**

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

### **COURSE OVERVIEW**

#### **SUMMARY**

Physical and chemical characterization of materials: Diffraction, imaging, and spectroscopy using optical, electron, and X-ray methods for bulk and surface analysis. Measurement of mechanical and physical properties. Project laboratory focusing on mechanical, chemical, electrical, and magnetic properties of materials, and materials characterization. Field trips.

#### **PREREQUISITES**

MSE 102

Spring only

### **WORKLOAD**

#### **TIME COMMITMENT**

3 hours of lecture and 3 hours of laboratory per week.

## COLLEGE OF CHEMISTRY PEER SERVICES

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