

Instrumental Chemistry

Concepts students need to know for lecture

Understanding of principles of analytical chemistry

Understanding of principles of organic chemistry

Understanding of principles of physics

Understanding of electricity and magnetism

Concepts students need to know for laboratory

Analytical techniques

Ability to use computers and computer software

Lecture and Laboratory Objectives

Learn additional chromatographic techniques

Learn additional spectroscopic methods of analysis

Learn additional calibration methods

Learn the basics of electronics

Learn the basics of computers

Learn the basics of computer interfacing

Learn the principles behind instrument-task relationship