

# CHEM 444 : Instrumental Organic Analysis

Qualitative and quantitative analysis of organic compounds based on spectrometric and chromatographic methods. Techniques including infrared, nuclear magnetic resonance, mass spectrometry, ultra-violet/visible, gas chromatography, high performance liquid chromatography, and combination techniques such as GC-MS. Emphasis on problem solving with instrumentation.

**Semester Hours** 4.0

**Lab Hours** 4

**Prerequisites**

CHEM 212