

Instrumental Analysis Laboratory (CHE 433)

Potential Instructors*	Timothy Ballard; tdballa2@uncg.edu Dr. Nadja Cech; nbcech@uncg.edu Dr. Norman Chiu; nhchiu@uncg.edu
Prerequisites	None
Corequisites	CHE 431
Sample Course Materials	Lab Manual: Laboratory experiment instructions will be provided as handouts.
For Whom Planned	CHEM and BCHEM majors
Topical Outline[§]	<ul style="list-style-type: none">▪ Operating Principles of a Spectrophotometer▪ Visible Spectrophotometric Analysis of a Mixture▪ UV Spectrophotometric Analysis of Aromatic Compounds▪ Spectrofluorimetric Analysis of Quinine▪ HPLC for Chromatographic Analysis▪ Analysis of Peptides by UPLC/MS/MS▪ Research Project: Pesticide Analysis by GCMS and LCMS▪ Research Project: Metals Analysis by Graphite Furnace Atomic Absorption▪ Research Project: Nitrate Analysis by Ion Selective Electrodes▪ Quantitative NMR Analysis
Notes	

* To request a comprehensive syllabus, you may contact the instructor for your section directly.

[§] Subject to change