

## FORSC 540 Analytical Sciences as Bases for Forensic Analyses

4 hours

**Majors (Grad)**

Master of Science in Forensic Science

**Departments/Programs:**

Forensic Science

This course will explore the place of analytical chemical concepts and instrumentation in the robust and dependable identification and quantification of those biological and chemical compounds that are of interest for forensic investigations. The use of statistical techniques, including Bayesian statistics, are examined in the forensic context. Forensic evidence collection and chain-of-custody requirements are examined. Laboratory exercises include familiarization with chromatographic and mass-spectrometric techniques and instruments.

*Prerequisite(s): FORSC-505, FORSC-506, FORSC-507, FORSC-508, FORSC-509, and FORSC-597, with grades of "B-" or better in each course.*