Nebraska Wesleyan University

FORSC 540 Analytical Science as Bases for Investigation

Catalog

2011-2012

Course Description

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 Fundamentals of Crime Scene Investigation, FORSC 506 Fundamentals of Evidence, FORSC 507 Criminal Law and the Law of Evidence, FORSC 508 Medicolegal Death Investigation, FORSC 509 Cold Case Homicide Investigation, and FORSC 597 Internship, with grades of "B-" or better in each course.

Course Hours

4 hours

Departments

1. Forensic Science