Nebraska Wesleyan University

FORSC 5400 Analytical Science as Bases for Investigation

Catalog

2014-2015

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 5050 Fundamentals of Crime Scene Investigation, FORSC 5060 Fundamentals of Evidence Processing, FORSC 5070 Criminal Law and the Law of Evidence, FORSC 5080 Medicolegal Death Investigation, FORSC 5090 Cold Case Homicide Investigation, and FORSC 5970 Internship, with grades of "B-" or better in each course.

Course Hours

4 hours

Departments

1. Forensic Science