Nebraska Wesleyan University

FORSC 547 Advanced Forensic Chemistry

Catalog

2013-2014

Course Description

This course will explore the use of modern chemical techniques in the identification and quantification of chemical compounds of interest, in or on objects of forensic importance. These include the classified groups of substances as defined in the Controlled Substance Act, various deadly substances, and substances appearing at fire and arson scenes. Techniques for the investigation of illegal clandestine laboratories will be studied. In laboratory exercises students will be introduced to presumptive and confirmatory tests, utilizing laboratory techniques from simple color tests to chromatographic and mass spectrometric analyses.

Prerequisite(s): FORSC 540 Analytical Sciences as Bases for Forensic Analyses and FORSC 541 Advanced Forensic Biology, or permission of the instructor.

Course Hours

5 hours

Departments

1. Forensic Science