Nebraska Wesleyan University

FORSC 542 Forensic DNA

Catalog

2012-2013

Course Description

In recent years, deoxyribonucleic acid (DNA) technology has become important to individualize crime scene evidence. This course explores the structure of DNA and RNA, the technology of DNA profiling, testing of forensic DNA samples, and understanding the results and discerning the relevant information in a forensic context. The statistical examination of profiling results is combined with a study of human genetics. Laboratory exercises provide experience in handling of evidence under chain-of-custody rules, search for and analysis of bodily fluids on evidentiary items, DNA-profiling of the evidence, calculation of statistical significance, and finally - testimony.

Prerequisite(s): FORSC 540 Analytical Science as Bases for Investigation and FORSC 541 Forensic Biology with grades of "B-" or better; Genetics, Molecular Biology, and Biochemistry, or permission of the instructor.

Course Hours

5 hours

Departments

1. Forensic Science