Course:

FORSC 5420 Forensic DNA

5 hours

Majors (Grad)
Forensic Science (M.S.F.S.)

Departments/Programs:

Forensic Science

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 examiniation 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 5400 Analytical Science as Bases for Investigation and FORSC 5410 Forensic Biology with grades of "B-" or better; Genetics, Molecular Biology, and Biochemistry, or permission of the instructor.