Forensic DNA Technology  
(Molecular Biology for Forensic Scientists) 
FOS 730  
30 HOURS LECTURE PLUS CONFERENCES, 3 CREDITS.  
OFFERED FALL OR SPRING SEMESTER  
Many advances in molecular biology that impact on the medico-legal fields have taken place in recent years. Analytical procedures used to study DNA have been developed for genetic research, clinical studies, and human/non-human identification. Forensic DNA Technology is a survey course geared to forensic science students in the Criminalistics and Forensic Toxicology specializations. Lecture topics include an overview of forensic biology, statistics and population genetics including, sample collection, bioethics, DNA extraction, quantitation and typing; databases; lab validation, including quality assurance and quality control, and emerging technologies. 
**Prerequisite(s):** Coursework necessary for admission to Master of Science in Forensic Science Program.