Advanced Genetics  
FOS 704  
30 HOURS LECTURE PLUS CONFERENCES, 3 CREDITS. OFFERED SPRING SEMESTER  
This course provides an in-depth treatment of selected topics in the field of modern genetics. Topics are drawn from classical, molecular, and population genetics and include the nature of genetic variation and mutations, genetic disorders, recombination and repair mechanisms. Ethical issues and the relevance of genetics to clinical medicine (recombinant DNA therapy, cloning) and forensic science (polymorphisms, population genetics) will be explored. Quantitative analysis and problem-solving skills are emphasized.  
Prerequisite(s): Coursework necessary for admission to Master of Science in Forensic Science Program.