FORENSIC SCIENCE LAB (FRSZ)

FRSZ 391. Topics in Forensic Science Laboratory. 1-3 Hours.
Semester course; variable laboratory hours. 1-3 credits. Maximum total
of 6 credits for all forensic science topics courses may be applied to
the major. Prerequisite: FRSC 300 or 350. Laboratory investigations in
a selected topic in forensic science. See the Schedule of Classes for
specific topics to be offered each semester and additional prerequisites.

FRSZ 400. Forensic Chemistry Laboratory. 2 Hours.
Semester course; 4 laboratory hours. 2 credits. Pre- or corequisite:
FRSC 400. Practical laboratory application with instrumentation used
in a forensic laboratory for the chemical analysis of various types of
physical evidence, including accelerants, explosives, paints, fibers, glass,
suspected drug substances and other evidence.

FRSZ 438. Forensic Molecular Biology Laboratory. 2 Hours.
Semester course; 4 laboratory hours. 2 credits. Pre- or corequisite: BIOL/
FRSC 438. Provides comprehensive coverage of the various types of DNA
testing currently used in forensic science laboratories. Students will have
hands-on experience with the analytical equipment employed in forensic
science laboratories and the techniques for human identification in
forensic casework. Students also will explore and practice both scientific
writing and writing of DNA case reports. Crosslisted as: BIOZ 438.

FRSZ 673. Forensic Microscopy Laboratory. 1 Hour.
Semester course; 3 laboratory hours. 1 credit. Establishes the foundation
for the application and methodology of microscopy. The knowledge
acquired in this course can be applied to forensic disciplines such
as firearms examinations, forensic biology, controlled substances,
questioned documents and trace evidence. The course consists of
laboratory exercises and demonstrations.

FRSZ 675. Forensic Serology and DNA Analysis Laboratory. 1 Hour.
Semester course; 3 laboratory hours. 1 credit. Presents the chemical,
immunological and microscopic laboratory techniques commonly
used for the examination and identification of body fluid stains and
determination of species. Provides working knowledge and hands-on
practice with basic forensic DNA procedures, including DNA extractions,
quantitation, PCR amplification analysis/genotyping. Instruction focuses
on molecular biology techniques as applied in a forensic DNA laboratory.

FRSZ 792. Research Techniques. 1 Hour.
Semester course; 3 laboratory hours. 1 credit. Enrollment restricted to
students with graduate standing in forensic science and permission
of faculty mentor. Application of basic laboratory methods used in
forensic science to the investigation of topics of interest. Emphasis on
experimental design, data collection and analysis, communication skills,
and critical thinking. Graded as Pass/Fail.