FIVS - FORENSIC & INVESTIGATIVE SCIENCES (FIVS)

FIVS 123 Forensic Investigations
Credits 3. 3 Lecture Hours.
Overview of forensics from incident scene to court room verdict; principles, concepts, tools and methodologies used in the science and practice of forensics; examination of various forensic fields; evidence recognition, analysis, interpretation and presentation to diverse audiences.

FIVS 205 Introduction to Forensic and Investigative Sciences
(FORS 2440) Introduction to Forensic and Investigative Sciences.
Overview of principles, procedures, and concepts of forensic and investigative sciences; instruction in the definitions, scope, and use of tools, techniques and protocols in forensic applications used to resolve social, regulatory, and legal disputes.
Prerequisite: Freshman or sophomore classification or approval of instructor.

FIVS 285 Directed Studies
Credits 0 to 4. 0 to 4 Other Hours.
Directed individual study in forensic and investigative sciences. May be repeated for credit.
Prerequisites: Freshman or sophomore classification; approval of instructor and department head.

FIVS 289 Special Topics in...
Credits 1 to 4. 1 to 4 Lecture Hours. 0 to 4 Lab Hours.
Selected topics in an identified area of forensic and investigative sciences. May be repeated for credit.

FIVS 291 Research
Credits 0 to 4. 0 to 12 Lab Hours.
Research conducted under the direction of a faculty member in the department of entomology. May be repeated 3 times for credit.
Prerequisite: Freshman or sophomore classification.

FIVS 308 Forensic Implications of Inheritance
Credits 4. 3 Lecture Hours. 3 Lab Hours.
Forensic genetics with an emphasis on human molecular genetics, population genetics, and genetic application in the forensic sciences.
Prerequisites: BIOL 112; upper division in forensic and investigative sciences; junior or senior classification.

FIVS 316 Biotechnology and Forensics
Credits 4. 3 Lecture Hours. 3 Lab Hours.
Introduction of applications of biotechnology for agriculture and human health purposes; description of experimental protocols used to create genetically modified organisms (GMOs); discussion of the risks, benefits, and regulations controlling the use of biotechnology in society.
Prerequisites: GENE 301 or GENE 310 or FIVS 308 or approval of instructor.

FIVS 401/SCSC 401 Forensic Soil Science
Credits 3. 2 Lecture Hours. 2 Lab Hours.
Examination of soils biology, chemistry and physical attributes to solve crimes; soil and geologic characteristics associated with crime scene examination; physical, biological and chemical characteristics and use of trace evidence.
Prerequisite: Junior or senior classification.
Cross Listing: SCSC 401/FIVS 401.

FIVS 415 Practice and Principles of Science and Law
Credits 3. 3 Lecture Hours.
Introduction to series of practitioners of forensic science and the justice system; receive instruction on principles, procedures, and practices used in solving legal and societal issues; examine scientific method and scientific knowledge as applied through expert testimony; enhance critical thinking and reasoning skills in studying and debating different positions of current issues of science and law.
Prerequisites: FIVS 205, FIVS 431/ENTO 431 and FIVS 432/ENTO 432; senior classification or approval of instructor; concurrent enrollment with FIVS 435.

FIVS 421 Latent Print Processing
Credits 2. 1 Lecture Hour. 3 Lab Hours.
Information, techniques, and methodologies for processing latent fingerprints and enhancing visible fingerprints at and from crime scenes, as well as from physical evidence.
Prerequisites: FIVS 205, upper division forensic and investigative sciences academic standing, and approval of instructor.

FIVS 422 Crime Scene Investigation
Credits 2. 1 Lecture Hour. 3 Lab Hours.
Principles, procedures, processes and hands-on experience for conducting investigations ranging from general crime scene to death investigations.
Prerequisites: FIVS 205, upper division forensic and investigative sciences academic standing, and approval of instructor.

FIVS 431/ENTO 431 The Science of Forensic Entomology
Credits 3. 3 Lecture Hours.
Explores the science, methodology and technology employed to gather, preserve, and present information about insects and other arthropods in such a manner that this information can be used in courts of law as evidence and testimony to help resolve issues of a criminal or civil nature.
Prerequisites: Junior classification or approval of instructor.
Cross Listing: ENTO 431/FIVS 431.

FIVS 432/ENTO 432 Applied Forensic Entomology
Credit 1. 3 Lab Hours.
Laboratory-based course affording practical experience using scientific information, methodology, technology, and legal procedures inherent to the field of forensic entomology; emphasis on collecting, preserving, and identifying information as evidence and expert witness testimony in courts of law.
Prerequisites: Concurrent enrollment with FIVS 431/ENTO 431; junior classification or approval of instructor.
Cross Listing: ENTO 432/FIVS 432.

FIVS 435 Case Studies in Problem Solving
Credits 3. 3 Lecture Hours.
Development of reasoning strategies by examining a variety of case studies; science and scientific method solving real-world problems as part of an investigative team.
Prerequisite: Senior classification or approval of instructor; concurrent enrollment with FIVS 415.

FIVS 481 Seminar
Credit 1. 1 Lecture Hour.
Analysis of research topics related to the fields of forensic science and law. May be taken 4 times for credit.
Prerequisite: Junior or senior classification or approval of instructor.
FIVS 482 Occupational and Professional Development
Credits 2. 2 Lecture Hours.
Organized instruction in written and oral communication; acquaint students with private and public-sector companies and agencies as well as leading professionals from these firms to reinforce academic instruction and prepare students for the transition to employment, graduate and professional schools.
Prerequisite: Junior or senior classification or approval of instructor.

FIVS 484 Professional Internship
Credits 0 to 4. 0 to 12 Lab Hours.
Independent study and supervised field experience related to a professional area or interest in forensic science. May be taken 3 times for credit.
Prerequisite: Junior or senior classification or approval of instructor.

FIVS 485 Directed Studies
Credits 0 to 4. 0 to 4 Other Hours.
Directed individual study in forensic and investigative sciences. May be repeated for credit.
Prerequisites: Junior or senior classification; upper-division FIVS only; approval of instructor and department head.

FIVS 489 Special Topics in...
Credits 1 to 4. 1 to 4 Lecture Hours. 0 to 4 Lab Hours.
Selected topics in an identified area of forensic and investigative sciences. May be repeated for credit.

FIVS 491 Research
Credits 0 to 4. 0 to 12 Lab Hours.
Research conducted under the direction of a faculty member in the department of entomology. May be repeated 3 times for credit.
Prerequisite: Junior or senior classification.