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.