

COLLEGE LEVEL FORENSIC SCIENCE SUPA Chemistry 113 (Four College Level Credits)

(A one-year sequence of two one semester courses: 3 single recitation periods, a double laboratory period- fills the lab science requirement for seniors 3rd, 4th, 5th or 6th major).

Chemistry 113, Forensic Science, is focused upon the application of scientific methods and the techniques to crime and law. Recent advances in scientific methods and principles have had an enormous impact upon law enforcement and the entire criminal justice system. This course is intended to provide an introduction to understanding the science behind crime detection. Scientific methods specifically relevant to crime detection and analysis will be presented with emphasis placed upon techniques used in evaluating physical evidence. Topics and laboratory investigations included are : crime scene investigations, fingerprinting, document and handwriting analysis, ballistics, serology, hair and fiber examination, botany, organic and inorganic evidence analysis, entomology, the role of the medical examiner, the forensic autopsy, anthropology, germ warfare, DNA analysis, psychology and profiling, toxicology, paint analysis, glass comparisons and fragmentation, arson investigations, tire and foot impressions and casts. A case study and current events approach will be used extensively. Guest speakers, videotapes, mock trials, and field trips are used. A shadow program is in place for students interested in career opportunities in the field.

Students who successfully complete the course receive a regular Syracuse University transcript recording 4 college credits that are identical to that of a main campus student. Students have a greater than 92% actual success rate in transferring these 4 credits to other colleges and universities. Students pay \$110 per credit hour plus a \$15 charge added to the balance to cover additional expenses associated with the plan, which may be paid in full or in installments. Tuition assistance is available for eligible students who are unable to manage these costs.