**FORENSIC SCIENCE ACADEMY**

*Real Crime Scene Lab Experience*

**Date:** June 22-26, 2015 (Monday-Friday)

**Time:** Week-long, Overnight Stay Experience

**Age Group:** High School Students

**Cost:** $350

Hosted by Edinboro University’s Institute for Forensic Sciences, this summer camp is designed to expose students to actual practices employed by forensic investigators and the importance of developing critical thinking skills and using scientific methodology in problem solving.

The Forensic Science Academy will be held on the campus of Edinboro University for five days and four nights. Sixteen students will be accepted on a first-come, first-served basis. The students will work closely with faculty members and select advanced forensic science students.

Faculty participants are Ted Yeshion, Ph.D.; Lenore Barbian, Ph.D.; and Michelle Vitali, MFA. Dr. Yeshion is a professor of forensic science and criminal justice with 25 years experience as a special agent, forensic scientist and crime scene investigator. As a government forensic scientist and a forensic consultant, he has testified in hundreds of criminal and civil cases as an expert witness in the areas of forensic serology, DNA analysis, and crime scene reconstruction. Dr. Yeshion has appeared on many local and national television programs, including Court TV, Fox News and Investigation Discovery. Dr. Barbian is a professor of anthropology with nearly 20 years of experience in forensic anthropology. She has been a consultant to the Virginia State Medical Examiner, the Chief Medical Examiner of Maryland, and the federal government. Dr. Barbian is an award-winning researcher in forensic anthropology and is a frequent invited speaker, having given presentations at the National Museum of Health and Medicine, the Department of Homeland Security, and the National Library of Medicine. Ms. Vitali is a professor of human anatomy, scientific illustration, painting and drawing, whose knowledge of human anatomy and interest in law enforcement led her into the forensic arts. She served as the court artist on the locally famous “Pizza Bomber” trial. She is currently researching ways to increase the efficacy of 3D facial reconstructions. Ms. Vitali has worked with law enforcement to create 2D and 3D facial reconstructions of an embalmed head that was recently found in Beaver County, Pennsylvania.

This camp experience will allow participants to experience the field of crime scene investigation by learning the techniques associated with fingerprinting, development and lifting of latent fingerprints by a variety of physical and chemical techniques, casting shoe track impressions, and presumptive blood detection. These activities will be incorporated into mock crime scenes, which the students will investigate as instructed. Time will be spent defining critical concepts related to this work, such as class vs. individual characteristics, Locard’s Exchange Principle, conditional vs. transitional evidence, and primary vs. secondary crime scenes. Students will also have the opportunity to explore the field of forensic identification by learning the techniques associated with establishing the age, sex and ancestry of skeletal remains, interpreting patterns of skeletal pathology and trauma, and investigating methods of facial reconstruction from the human skull. Instruction will be comprised of short introductory lectures followed by supervised hands-on laboratory exercises. Students will have ample opportunities to ask questions about how to properly target their career goals and to learn about which college courses will be most suitable to their objectives.