

Basic UV/IR Photography

Course Description:

Infrared (IR) photography takes advantage of the near IR spectrum (700-1100nm), just beyond that which is visible to the human eye, and is an attractive technique for forensic scientists because it allows for the visualization of potentially probative information that may otherwise go undetected. Modern digital cameras typically have an IR filter in front of the sensor, but the sensor itself is sensitive to IR, allowing for modification to make this type of photography possible.

This course is designed to provide information on the theory behind IR photography. Students will also learn the applications of IR photography to forensic science, and get hands on experience using this technique to reveal evidence and capture images not possible using traditional photography with light in the visible portion of the electromagnetic spectrum. Evidence items covered will include fingerprints, firearms, questioned documents, and gunshot residue.