ITM Forensic Courses

ITM 538 Computer and Network Forensics
This course will address both legal/administrative and technical methods for properly conducting a computer and/or network forensics investigation. Legal/administrative methods will include digital evidence collection, chains of evidence and legal evaluation involved in network forensics. Technical issues will include acquiring court admissible mass storage images, discovery of deleted files, detailed analysis of hard disks, file systems (including FAT, NTFS and EXT), mechanisms (e.g., steganography) for hiding and detecting hidden information and history of computer and network activity. Students will use a number of widely accepted forensic tools including hex viewers and editors in performing forensic analyses. ITM 440/540 and knowledge of operating systems is highly desirable.
(2-2-3)

ITMS 555 Mobile Device Forensics
This course will address methods for recovering digital data or evidence and conducting forensic analysis of mobile devices such as smart phones and tablets. Various devices will be compared including iPhone, Android, and Blackberry. A brief review of Linux and related forensic tools, NAND technology and mobile file systems will be discussed. Students will learn how to unlock and root mobile devices and recover data from actual mobile devices. Prerequisite: ITM 538.
(2-2-3)

Please note the following:
- ITM 538 will be taught in the spring 2012 semester
- ITMS 555 will be taught in the fall 2012 semester
- ITM 538 is a prerequisite for ITMS 555