

SYLLABUS
PART I
EDISON STATE COMMUNITY COLLEGE
CYB 239S ADVANCED COMPUTER FORENSICS
3 CREDIT HOURS

COURSE DESCRIPTION

In-depth analysis of Windows-based systems and the forensics analysis of Linux/UNIX systems. Includes the various forensics analysis software suites and tools used to perform forensics analysis of ISO, FAT16, FAT32, NTFS, and Linux/UNIX file system methods. Criminal record background check required.

Prerequisite: CYB 238S. Lab fee.

COURSE GOALS

The student will:

Bloom's Level		Program Outcomes
2	1. Explain the forensics analysis of Windows based systems.	3, 4, 5, 6, 8
2	2. Explain the forensics analysis Linux/UNIX based systems.	3, 4, 5, 6, 8
2	3. Describe CDROM, Windows and Linux/UNIX file system methodologies.	4, 6, 8
4	4. Analyze and apply the various forensics analysis software suites, and tools.	3, 4, 5, 6, 7, 8
4	5. Perform forensics analysis on systems using various file system methods, and properly document the findings.	1, 3, 4, 5, 6, 7, 8

CORE VALUES

The Core Values are a set of principles that guide in creating educational programs and environments at Edison State. They include communication, ethics, critical thinking, human diversity, inquiry/respect for learning, and interpersonal skills/teamwork. The goals, objectives, and activities in this course will introduce/reinforce these Core Values whenever appropriate.

TOPIC OUTLINE

1. CDROM, Windows and Linux/UNIX file system methodologies
2. ISO, FAT, NTFS and Linux/UNIX organization and structure
3. Forensics analysis software suites and tools
4. Forensics analysis of ISO based CDROM media
5. Forensics analysis of Windows FAT and NTFS file structures
6. Forensics analysis of Linux/UNIX file structures