

SYLLABUS
PART I
EDISON STATE COMMUNITY COLLEGE
CYB 238S COMPUTER FORENSICS ESSENTIALS
3 CREDIT HOURS

COURSE DESCRIPTION

Fundamentals course dealing with the proper preservation, identification, extraction, documentation, and interpretation of computer data as it relates to possible criminal evidence. Includes proper evidence handling; chain of custody; collection, preservation, and identification procedures; and recovery of computer data using approved forensics recovery software and methods. Criminal record background check required. Prerequisite: CIS 211S, CIS 214S, and CIS 215S or equivalent. Lab fee.

COURSE GOALS

The student will:

Bloom's Level		Program Outcomes
1	1. Examine the proper data preservation, identification, and extraction techniques.	3, 4, 5, 6
2	2. Interpret and document computer data as potential criminal evidence.	3, 6, 8
2	3. Explain and properly follow the chain of custody methodology.	1, 3, 5, 6
3	4. Apply and properly follow collection, preservation, and identification procedures.	3, 4, 5, 7
5	5. Use approved forensics recovery tools and methods to recover computer data.	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. Proper preservation, identification, and extraction techniques
2. Methods for the interpretation and documentation of computer evidence
3. Chain of custody procedures and methodologies
4. Collection, preservation, and identification procedures
5. Approved forensics recovery tools
6. Computer data recovery methods