

CUMBERLAND COUNTY COLLEGE

Course: CS 241 Computer Forensics

Credits: 3

Prerequisites: CS 101

Description:

Fundamentals of computer forensics and cybercrime scene analysis including laws, regulations, and international standards; formal methodology for conducting security incident investigations; categories of electronic evidence. This course includes projects involving digital forensic tools.

Learning Outcomes

At the completion of this course, students will be able to:

- To acquaint the student with the field of computer forensics.
- To understand the ethics of computer forensics.
- To understand the requirements for completing a computer forensics investigation.
- To examine the hardware and software tools available.
- To properly capture data for a forensic analysis

Topical Outline

- The Need for Computer Forensics
- Preparation – What to Do Before You Start
- Computer Evidence
- Common Tasks
- Capturing the Data Image
- Extracting Information from Data
- Passwords and Encryption
- Common Forensic Tools
- Pulling It All Together
- How to Testify in Court

Text:

Computer Forensics Jumpstart 2nd Edition, Solomon, publisher Sybex (Wiley), ISBN: 978-0-470-93166-0

Student Assessment

(Assessment may be accomplished through projects, portfolios, exams, presentations and/or papers)

Academic Integrity

Plagiarism is cheating. Plagiarism is presenting in written work, in public speaking, and in oral reports the ideas or exact words of someone else without proper documentation.

Whether the act of plagiarism is deliberate or accidental [ignorance of the proper rules for handling material is no excuse], plagiarism is, indeed, a “criminal” offense.

As such, a plagiarized paper or report automatically receives a grade of **ZERO** and the student may receive a grade of **F** for the semester at the discretion of the instructor.

Tutoring & Project Assist

If you are having difficulty with work in this class tutoring is available through the Center for Academic & Student Success. If you think that you might have a learning disability, contact Project Assist at 856.691.8600 x 1282 for information on assistance that can be provided to eligible students.

Before Withdrawing From This Course

If a student experiences adverse circumstances while enrolled in this course and considers withdrawing, s/he should see an advisor (division or advisement center) **BEFORE** withdrawing from the class. A withdrawal may cause harmful repercussions to completion rate standards and overall GPA which can limit or eliminate future financial aid in addition to causing academic suspension.