



Course Name: Computer Investigation Techniques

Course Number: CJS* E222

Credits: 3

Catalog description:

A comprehensive introduction to computer operations and computer system components with an emphasis on storage and retrieval of information for investigative purposes. Topics covered will include basic operating systems, hardware, software, encryption, identification of evidentiary information, internet servers and websites, freeware, bulletin boards, file types and manipulations, spreadsheets and data bases. Students will develop the ability to assemble evidence for a criminal investigation process. Substantial lab work will be required.

****Satisfies Computer literacy requirement****

Prerequisite: CJS*E101 – Introduction to Criminal Justice **and** Permission of the Instructor.

Corequisite, or Parallel:

General Education Competencies Satisfied:

HCC General Education Requirement Designated Competency Attribute Code(s):

None

Additional CSCU General Education Requirements for CSCU Transfer Degree Programs:

None

Embedded Competency(ies):

None

Discipline-Specific Attribute Code(s):

C Computer Literacy (satisfies requirement)



Course objectives:

General Education Goals and Outcomes:

None

Course Specific Objectives:

1. Develop knowledge of a specific career area in Criminal Justice.
2. Develop ability to draw inferences and relate facts and ideas
3. Develop ability to make sound decisions within a limited time frame.
4. Develop knowledge of psychological /sociological impacts on the criminal justice system.
5. Develop ability to draw inferences and relate facts and ideas accurately.
6. Develop functional utilization of technology in an investigative framework.
7. Understand legal issues directly impacting the use of technology in criminal investigations.

Course Content:

Understanding Operating Systems

- a. hardware configurations
- b. software definitions
- c. system properties

Information Storage

- a. folders
- b. files
- c. configurations
- d. encryption

Information Transmission

- a. transmission protocols
- b. modems
- c. servers
- d. proprietary software

Files

- a. recognition
- b. extensions
- c. manipulation
- d. software

The Internet

- a. Servers
- b. Tag identifiers
- c. On line resources

Freeware

- a. sites
- b. archive files
- c. archiving software
- d. viewer software



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Hard Drives

- a. bypassing passwords
- b. inspection
- c. removal
- d. investigative resources

Graphics Files

- a. icons
- b. extensions
- c. manipulation of files
- d. significance as evidence

- e. collection as evidence

Spreadsheets

- a. files
- b. bookkeeping methods
- c. manipulation of spreadsheets
- d. significance of information

Databases

- a. introduction to databases
- b. file extensions
- c. database software
- d. illegal uses of data bases

Document evidence

- a. word processing documents
- b. file extensions
- c. notepads
- d. document retrieval

Bulletin Boards

- a. nature of bulletin boards
- b. underground servers
- c. tracing origins of sites
- d. investigatory resources available

Assembling Evidence

- a. probable cause
- b. presentation
- c. search warrant/arrest warrant applications

Date Course Created:



Date of Last Revision: 03/06/2017