CJ-1010: COMPUTERS IN CRIMINAL JUSTICE

Cuyahoga Community College

Viewing: CJ-1010 : Computers in Criminal Justice

Board of Trustees:
2018-01-25

Academic Term:
Fall 2018

Subject Code
CJ - Criminal Justice

Course Number:
1010

Title:
Computers in Criminal Justice

Catalog Description:
Introduction to uses and applications of computer technology in the criminal justice field. Includes discussions of basic terminology; common applications in database, word processing, and spreadsheet uses; and an introduction to the forensic software. Comprehensive examination of computer crimes and procedures, techniques, and legal constraints which apply.

Credit Hour(s):
2

Lecture Hour(s):
2

Requisites

Prerequisite and Corequisite
None.

I. ACADEMIC CREDIT

Academic Credit According to the Ohio Department of Higher Education, one (1) semester hour of college credit will be awarded for each lecture hour. Students will be expected to work on out-of-class assignments on a regular basis which, over the length of the course, would normally average two hours of out-of-class study for each hour of formal class activity. For laboratory hours, one (1) credit shall be awarded for a minimum of three laboratory hours in a standard week for which little or no out-of-class study is required since three hours will be in the lab (i.e. Laboratory 03 hours). Whereas, one (1) credit shall be awarded for a minimum of two laboratory hours in a standard week, if supplemented by out-of-class assignments which would normally average one hour of out-of-class study preparing for or following up the laboratory experience (i.e. Laboratory 02 hours). Credit is also awarded for other hours such as directed practice, practicum, cooperative work experience, and field experience. The number of hours required to receive credit is listed under Other Hours on the syllabus. The number of credit hours for lecture, lab and other hours are listed at the beginning of the syllabus. Make sure you can prioritize your time accordingly. Proper planning, prioritization and dedication will enhance your success in this course.

The standard expectation for an online course is that you will spend 3 hours per week for each credit hour.

II. ACCESSIBILITY STATEMENT

If you need any special course adaptations or accommodations because of a documented disability, please notify your instructor within a reasonable length of time, preferably the first week of the term with formal notice of that need (i.e. an official letter from the Student Accessibility Services (SAS) office). Accommodations will not be made retroactively.

For specific information pertaining to ADA accommodation, please contact your campus SAS office or visit online at https://www.tri-c.edu/student-accessibility-services. Blackboard accessibility information is available at http://access.blackboard.com.

Eastern (216) 987-2052 - Voice. (216) 987-2423 - Fax
Metropolitan (216) 987-4344 – Voice. (216) 987-3257 - Fax.
Remain at home if you are ill or experiencing symptoms of illness. Do not attend any in-person class or gathering.

All students must adhere to the following general guidelines, until further notice:
- Visit your Tri-C email and visit tri-c.edu/coronavirus regularly for updates.
- Public health requirements and standards are changing rapidly, and the College is adapting its guidance accordingly. Please check pandemic.

Students are responsible for adhering to all College health and safety guidance, including that which relates to the COVID-19 pandemic.

Public health requirements and standards are changing rapidly, and the College is adapting its guidance accordingly. Please check your Tri-C email and visit tri-c.edu/coronavirus regularly for updates.

All students must adhere to the following general guidelines, until further notice:
- Remain at home if you are ill or experiencing symptoms of illness. Do not attend any in-person class or gathering.
• Notify your instructor(s) if you are ill, have tested positive for COVID-19, or were exposed to an individual who has tested positive for COVID-19 and they will report the information to the Tri-C Compliance & Risk Management team and you may be contacted for follow-up information.
• Wear a mask or face covering at all times, including, but not limited to: upon entering and exiting any Tri-C facility, in class, and in all common areas.
• Maintain a distance of at least six feet between yourself and others at all times and if you must pass near an individual do it quickly and do not linger.
• Provide the College with relevant information about your current health status and participate in any required on-site checks (e.g., temperature checks, current contact information, symptom profile, etc.).
• Use only designated areas of Tri-C facilities, including entrances and exits. Sign in and out of Tri-C facilities as directed.

The general guidelines listed above do not encompass all coronavirus-related guidance. These guidelines are subject to change at the discretion of the College and under the direction of public health authorities. Students who fail to adhere to this guidance may be subject to disciplinary action under the College’s Student Code of Conduct and the Student Judicial Code.

Outcomes

Course Outcome(s):
Apply knowledge of concerns and computer-based techniques to investigate various computer-related crimes including computer theft, intrusion, and pornography.

Objective(s):
1. Identify the concerns and techniques used in investigating the theft of computer components.
2. Identify the concerns and techniques used in investigating computer intrusion.
3. Identify the concerns and techniques used in investigating theft of information.
4. Identify the concerns and techniques used in investigating computer pornography.
5. Demonstrate a knowledge of the procedures of searching and seizing computers or components.
6. Identify the legal constraints and concerns unique to computer searches and seizures.
7. Demonstrate knowledge of the laws pertaining to computer crimes.

Course Outcome(s):
Utilize computers and appropriate police information systems and databases to investigate crimes.

Objective(s):
1. Describe the functional parts of a computer.
2. Describe the various data bases in NCIC.
3. Demonstrate a knowledge of the initial queries in LEADS.
4. Demonstrate a knowledge of the initial queries in NCIC.
5. Discuss the internet as an information source.
6. Demonstrate the search and retrieval techniques for information on the internet.
7. Identify the terminology relating to computers.
8. Perform the basic MS-DOS commands on a computer.
9. Describe the basic Windows techniques.
10. Identify the components of a police information system.
11. Discuss the advantages and constraints of police information systems.
12. Identify the applications of computers in a penal setting.
13. Identify applications of the Law Enforcement Agency Data System (LEADS) system in Ohio.
14. Identify the applications of the National Crime Information Center (NCIC).

Methods of Evaluation:
1. Chapter quizzes
2. Midterm exam
3. Final exam
4. Ability to use common software programs

Course Content Outline:
1. A. Computer Terminology and History
   a. A Brief History of Computers
   b. Computer Language
   c. Computer Hardware
   d. Computer Software
   e. Operating Systems
2. Traditional Computer Crime: Early Hackers and Theft of Components
1. Traditional Problems
   a. Recognizing and Defining Computer Crime
   b. Hacking
   c. Theft of Intellectual Property

2. Contemporary Computer Crime
   a. Web-based Criminal Activity
   b. Ancillary Crimes

3. Identity Theft & Identity Fraud
   a. Typologies of Internet Theft/Fraud
   b. Prevalence and Victimology
   c. Physical Methods of Identity Theft
   d. Virtual or Internet Facilitated Methods

4. Terrorism and Organized Crime
   a. Terrorism
   b. Terror Online
   c. Organized Crime
   d. Organized Crime and Technology

5. Forensic Terminology and Developing Forensic Science Capabilities
   a. Traditional Problems in Computer Investigations
   b. Computer Forensic Science and Disk Structure
   c. A Sampling of Popular Forensic Software
   d. Introduction to use of forensic software

6. Searching and Seizing Computer Related Evidence
   a. Traditional Problems Associated with Finding Digital Evidence
   b. Pre-search Activities
   c. On-scene Activities
   d. Bagging and Tagging
   e. Interviewing Witnesses

7. Processing of Evidence and Report Preparation
   a. Aspects of Data Analysis
   b. Non-Windows Operating Systems
   c. PDA Forensics
   d. Report Preparation and Final Documentation

Resources


