**I. COURSE TITLE: Introduction to Computer Forensics and Cyber Crime**

 **COURSE NUMBER: 1115 CATALOG PREFIX: CYBR**

**II. PREREQUISITE(S): None**

**III. CREDIT HOURS: 3.0 LECTURE HOURS: 3**

 **LABORATORY HOURS: OBSERVATION HOURS:**

**IV. COURSE DESCRIPTION:**  This course is an introduction into the concepts, terminologies, and terms that have been developed to communicate and understand the history of computer forensics and cyber-crime.

**V. GRADING:**

Grading will follow the policy in the catalog. The scale is as follows:

A: 90 – 100

 B: 80 – 89

 C: 70 – 79

 D: 60 – 69

 F: 0 - 59

**VI. ADOPTED TEXT(S):**

 *Computer Forensics and Cyber Crime – An Introduction, 3rd edition, 2013*

Author: Marjie T. Britz

 Pearson – [www.pearsonhighered.com](http://www.pearsonhighered.com)

 ISBN-13: 978-0-13-267771-4

 ISBN-10: 0-13-267771-7

**VII. COURSE OBJECTIVES:**

* 1. Discuss traditional problems associated with computer crime.
	2. Define e-cash and its impact on society and cyber-crime.
	3. Identify key historical developments.
	4. Define traditional computer crime.
	5. Categorize Internet communications.
	6. Define contemporary computer crime.
	7. Identify theft and identity fraud.
	8. Distinguish between physical methods and virtual methods of identity theft.
	9. Define terrorism.
	10. Identify organized crime technologies.
	11. Discuss evolution of computer-specific statutes.
	12. Identify theft and financial privacy statutes.
	13. Explain international cyber-crime efforts.
	14. Explain how the first amendment is applied to computer-related crime.
	15. Define probably cause as it relates to cyber-crimes.
	16. Explain warrantless searches.
	17. Differentiate between private and public sector searches.
	18. Explain how computer forensics is considered an emerging discipline.
	19. Identify problems associated with finding digital evidence.
	20. Develop a process of evidence and report preparation.
	21. Discuss future trends and emerging concerns as they relate to forensics and cyber-crime.

**VIII. COURSE METHODOLOGY:**

May include but not limited to: Lectures, independent and group projects, in-class and home assignments, tests, quizzes and lab exercises.

**IX. COURSE OUTLINE:**

 **Weeks 1 and 2:** (Chapter 1) Introduction and overview of computer forensics and cybercrime.

 **Week 3:** (Chapter 2) Computer technology and history.

 **Week 4:** (Chapter 3) Traditional computer crime: Early hackers and theft of components.

 **Week 5:** (Chapter 4) Contemporary computer crime

 **Week 6:** (Chapter 5) Identity theft and identity fraud

 **Week 7:** (Chapter 6) Terrorism and organized crime

 **Week 8:** Midterm Review

 **Week 9:** (Chapter 7) Avenues for prosecution and government efforts

 **Week 10:** (Chapter 8) Applying the first amendment to computer-related crime

 **Week 11:** (Chapter 9) The fourth amendment and other legal issues

 **Week 12:** (Chapter 10) Computer forensics: terminology and requirements

 **Week 13:** (Chapter 11) Searching and seizing computer-related evidence

 **Week 14:** (Chapter 12) Processing of evidence and report preparation

 **Week 15:** (Chapter 13) Conclusions and future issues

 **Week 16:** Final Test

**X. OTHER REQUIRED TEXTS, SOFTWARE, AND MATERIALS:**

None

**XI. EVALUATION:**

Instructor will specify which criteria will apply to particular assignments. Students will be expected to complete work utilizing course material covered. Other assignments, assessments, projects, presentations, hands-on exercises and reports may be assigned and graded at the discretion of the instructor.

**XII. SPECIFIC MANAGEMENT REQUIREMENTS:**

 None

**XIII. OTHER INFORMATION:**

**FERPA:** Students need to understand that your work may be seen by others. Others may see your work when being distributed, during group project work, or if it is chosen for demonstration purposes. Students also need to know that there is a strong possibility that your work may be submitted to other entities for the purpose of plagiarism checks.

**DISABILITIES:** Students with disabilities may contact the Disabilities Service Office, Central Campus, at 800-628-7722 or 937-393-3431.