BURLINGTON COUNTY COLLEGE
COURSE INFORMATION FORM

This form must be completed for all new and modified courses offered for credit, including experimental courses.

I. Course Prefix and number: e.g. ART101: CIS 207

II. Course Title: Intro to Computer Forensics.

III. Lecture Hrs.3 Clinical Hrs. Credit Hrs. 3
Studio Hrs. Lab Hrs. Recitation Hrs.

IV. Course Fee:

V. Prerequisite(s): CIS 150 or CIS 165 or instructor permission

VI. Co-Requisite(s):

Contact: Berna Dike-Anyiam
609-894-9311 X 2033
bdikeany@bcc.edu

VII. Division Dean Approval: ☐ Yes ☐ No Date:

VIII. IAC Approval: ☐ Yes ☐ No Date:

IX. VP Approval: ☐ Yes ☐ No Date:

X. New Course: ☐ Modified Course: ☒ Experimental Course: ☐
(if modified course explain changes and list old course designator and number)

XI. Semester and Year Course will first be Offered (or, if a modified course, semester and year when revised course will first be offered): Fall 2012

XII. Relation of Course to Curriculum(s):
- ☒ Core requirement
- ☐ General Education requirement
- ☐ Elective

XIII. General Education Designator (if course is intended to satisfy a general education requirement check appropriate designator):
- ☐ **CM** = Communications
- ☐ **HA** = Humanities
- ☐ **SS** = Social Sciences
- ☐ **MLS** = Mathematics and Laboratory Science
- ☐ **HW** = Health and Wellness
- ☐ **TL** = Technological Literacy
- ☐ **DGP** = Diversity/Global Perspective

XIV. Catalogue Description: This introductory course focuses on computer forensics principles and an exposure to computer technology concepts from operating systems and file types to data transmission and PDA's. Students are introduced to the foundation of electronic evidence collection and handling; as well as the role of e-vidence in detecting and prosecuting computer crimes, cyberterrorism, traditional and violent crimes, incident response, civil cases, fraud and information security verification. Demonstrations and hands-on investigations familiarize students with a number of relevant investigative techniques.

XV. Course Objectives (Learning Outcomes):

1. Formulate and implement organizational computer forensics preparedness policies, as well as determine the necessity for forensic procedures.
2. Identify when to instigate an investigation and involve law enforcement.
3. Identify various forms of computer crime/abuse and the relevant evidence.
4. Explain laws relevant to computer forensics
5. Retrieve and seize digital evidence from computer systems without contamination
6. Understand and explain how data can be hidden
7. Use, as well as justify the use of particular forensics tools
8. Evaluate new technologies and forensics tools

9. Become team members of computer forensics investigations.

XVI. Textbook(s): Textbook: Computer Forensics: Principles and Practices

Linda Volonino, Reynaldo Anzaldua, Jana Godwin

ISBN-10: 0131547275, ISBN-13: 9780131547278, Publisher: Prentice Hall, Copyright: 2007

XVII. Other Course Materials to be supplied by Student:

XVIII. Grading Policy (Number and Weight of Papers, Quizzes, Examinations, etc.)

Course Grade	% Total
4 Lab Projects	40 %
Mid Term Exam	15%
Final Exam	40%
Class Participation	5%
Total	100%

XIX. Detailed Description of Project Final Examination (if applicable):

XX. Schedule of topics to be covered in Course:

Week	Date	Topic
W1	08/29/12	Forensic Evidence & Crime Investigation
W2	09/10/12	Computer Forensics & Digital Detective Work
W3	09/17/12	Tools, Environments & Equipment
W4	09/24/12	Policies & Procedures
W5	10/01/12	Data, PDA & Cell Phone Forensics
W6	10/08/12	Operating Systems & Data Transmission Basics for Digital Investigation
W7	10/15/12	Investigating Windows & Graphic Files
W8	10/22/12	Email & Web Mail Forensics
W9	10/29/12	Internet /Network Forensics & Intrusion Detection
W10	11/05/12	Tracking Down Those With large Scale Malicious Intent
W11	11/12/12	Fraud & Forensic Accounting Investigation
W12	11/19/12	Federal Rules & Criminal Codes
W13	11/26/12	Ethical & Professional Responsibility in Testimony
W14	12/03/12	Review
W15	12/11/12	FINAL EXAM

IAC Chair [signature] 4/5/12