WILMINGTON UNIVERSITY
COLLEGE OF TECHNOLOGY
BASIC COURSE INFORMATION

COURSE TITLE: Computer Incident Response

COURSE NUMBER: SEC 370

I. MAJOR INSTRUCTIONAL OBJECTIVES:

Objective A: Understand how to execute a basic computer search and seizure.
A-1: Explain basic forensic imaging principles
A-2: Perform the collection of on-screen data from Windows systems.
A-3: Perform the collection of volatile data from running systems using trusted tools or scripts

Objective B: Identify and use different forensic products as they provide different forensic solutions.
B-1: Use software-based imaging tools to obtain a forensic image of digital media
B-2: Use software tools to generate hash values for collected data and forensic images
B-3: Demonstrate how to properly handle and track evidence

Objective C: Formulate a forensic strategy utilizing the latest forensic technologies.
C-1: Explain the basic forensic concepts, principles, fundamentals and processes of disk partitioning, data storage, common file systems and registry entries from a Windows operating system
C-2: Examine and explain the Windows registry
C-3: Assess and document a computer search and seizure

Objective D: Create image files utilizing the different hardware and software components together.
D-1: Create an image of a hard drive and/or thumb drive using a write protected memory card reader, a SATA/IDE drive write blocker and a USB write blocker
D-2: Study the use of EnCase Enterprise or other similar forensic tool
D-3: Examine forensic imaging and hashing tools
D-4: Explain the use of volatile/non-volatile data trusted software
D-5: Examine and explain the Windows registry
D-6: Assess and document a computer search and seizure.

II. CLASS PARTICIPATION:

Students are expected to attend class and participate actively and in a positive way. Questions and relevant observations are encouraged and enrich the experience of the entire class. Computers in the classrooms are intended to be used as tools to enhance the students' learning experience. Instant messaging, gaming, emailing, and surfing the web are distractions to the student, the surrounding students, and the instructor and constitute
inappropriate behavior. Students are ethically obliged to avoid these and similar practices.