WILMINGTON UNIVERSITY
COLLEGE OF TECHNOLOGY
BASIC COURSE INFORMATION

COURSE TITLE: Introduction to Network Forensics
COURSE NUMBER: SEC 440

I. MAJOR INSTRUCTIONAL GOALS

GOAL A: Understand the fundamentals of network forensics.
A-1. Learn what network forensics and investigation is as a profession and gain an understanding of the overall investigative process
A-2. Learn the latest skills, tools and techniques
A-3. Understand the inter-relationships among the various network forensic components

GOAL B: Identify and recognize the different types network forensic products and the purposes they serve
B-1. Learn how to set up, monitor, and analyze network traffic capture methods
B-2. Identify and evaluate network forensic hardware and software tools
B-3. Discuss how to integrate these products in an investigation

GOAL C: Formulate a forensic strategy utilizing the latest forensic technologies.
C-1. Learn how to examine computer systems thoroughly, carefully and without changing anything
C-2. Demonstrate the proper procedures and techniques for network data acquisition
C-3. Develop comprehensive auditing and anti-repudiation techniques.

GOAL D: Discuss computer criminal cases and/or network forensic techniques.
D-1. Discuss the latest computer crime cases that students have heard about or read about in the news; or
D-2. Demonstrate the forensic techniques and methodologies used; or
D-3. Provide a real life situation where network forensic techniques were used and the impact they had on the outcome of the case.

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.