Course Prefix and Number: ITN 261

Credits: 4

Course Title: Network Attacks, Computer Crime, and Hacking

Course Description
Explores in depth various methods for attacking and defending a network. Covers network security concepts from the viewpoint of hackers and their attack methodologies. Discusses hackers, attacks, Intrusion Detection Systems (IDS), malicious code, computer crime, and industrial espionage. Prerequisite: ITN 260 or school approval. Lecture 4 hours per week.

General Course Purpose
This course covers advanced network attack techniques.

Course Prerequisites/Corequisites
ITN 260 or school approval

Course Objectives
Upon completing the course, the student will be able to:

a. analyze hacker attack techniques, methodologies, and tools.
b. thwart network worms, viruses, and malicious code.
c. utilize network Intrusion Detection Systems (IDS).
d. analyze computer crime.
e. analyze and evaluate industrial espionage.

Major Topics to be Included

a. Network Attacks
b. Network Worms, Viruses, and Malicious Code
c. Intrusion Detection Systems (IDS)
d. Computer Crime

Effective Date of Course Content Summary: 9/25/2008