Course Prefix and Number: ITN 261

Course Title: Network Attacks, Computer Crime, and Hacking

Course Description: Encompasses in-depth exploration of various methods for attacking and defending a network. Explores network security concepts from the viewpoint of hackers and their attack methodologies. Includes topics about hackers, attacks, Intrusion Detection Systems (IDS), malicious code, computer crime, and industrial espionage. Lecture 4 hours per week.

General Course Purpose: This course covers advanced network attack techniques.

Course Prerequisites and Co-requisites: None

Student Learning 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; and
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

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