

Welcome to CS696 [Network Management & Security] class @NJIT.

Class General Info

My contact info: sb936@njit.edu

Helpful References:

1. Cryptography and Network Security Principles and Practice, 7th edition, William Stallings
2. Computer Networking: A Top-Down Approach, 7th edition, Jim Kuross and Ross

Course Description: Network Management and Security are essential factors in the reliable, efficient, and secure operation of any network. As networks are mission-critical operations for enterprises and governments, keeping those resources, services, and communication channels running and secure has become the first priority of any organization.

This course provides a thorough introduction to network security and management technologies and standards as well as to a wide variety of techniques and tools for evaluating, monitoring, and increasing the cyber resilience of computer networks, servers, clouds, communication channels, data security as well as business continuity in face of disasters (natural or man-made) and disaster recovery. Among the topics covered, the course explores the techniques of cryptography and the techniques for evaluating the security of networks and network devices, attack strategies, defense and prevention mechanisms for a path to cyber resiliency for networks, servers, clouds, communication channels, and most importantly for data.

Class participation: Class participation is a mandatory component of this course, and it is crucial for your academic success. While I understand that unforeseen circumstances can arise, students are expected to actively engage in class discussions, activities, and assignments. If you are unable to participate in a particular class or have a valid reason for non-participation, please communicate with me in advance or as soon as possible to discuss your situation. Significant excuses for not participating will be considered on a case-by-case basis, and I am committed to working with you to find reasonable solutions when necessary.

The grading for the course is as follows:

MIDTERM (35%)

FINAL EXAM (35%)

PRESENTATION POWERPOINT (30%)

Office hours:

Wednesdays: 3:30-4:30 pm

Office location: GITC 4321B

Dr. Samaneh Berenjian