

**APPLIED INFORMATION TECHNOLOGY
TOWSON UNIVERSITY**

AIT 710: Case Studies in Information Security

Credit Hours: 3

Prerequisite: AIT 612 and AIT 614

Course Description: This course consists of a real-world project dealing with information security in distributed information systems including applications of theory and techniques in information security.

Project: A real-world information system with high-level of security will be selected by each student. Each student must examine the system and report any security problem with the system and suggest solutions. The student should implement the solution proposed. The final product will be a complete document explaining the risk and security problems in the given system, recommending solutions for each and every security problem found and implementing the proposed solution(s).

Learning Objectives:

1. Ability to design and implement security solution for information systems
2. Understand the security problems in information systems and be able develop secured information system
3. Understand the security issues concerning web-oriented information systems

Bibliography:

This is a project-based course and would require no specific textbook. Books and reading materials used for AIT 612 and AIT 614 will be the primary reference for this course.