

**CENTER FOR APPLIED INFORMATION TECHNOLOGY
TOWSON UNIVERSITY**

AIT 725: Case Studies in Software Engineering

Credit Hours: 3

Prerequisite: CAIT 624 and 626

Course Description: This course consists of a real-world project dealing with design and development of large-scale information systems including applications of theory and techniques in software engineering.

Project: A real-world software engineering project will be assigned /selected by each student enrolled in this course. Each student will be required to analyze the system, specify the requirements, develop a system development plan, design the system architecture, estimate the schedule, cost and resources for the project and measure other metrics useful in system management.

Learning Objectives:

1. Ability to design and implement application software solution for information systems
2. Understand the planning and management problems in information systems
3. Ability to develop secured information system
4. Understand the engineering issues concerning information systems

Suggested Textbooks:

This is a project-based course and would require no specific textbook. Books and reading materials used for AIT 624 will be the primary reference for this course.