

**CENTER FOR APPLIED INFORMATION TECHNOLOGY  
TOWSON UNIVERSITY**

**AIT 501:** Information Technology Fundamentals

**Credit Hours:** 4

**Prerequisite:** ADMISSION TO THE GRADUATE SCHOOL

**Course Description:** This course will address the following topics: overview of IT concepts; ethical, social and security issues related to IT systems; business information systems; electronic commerce; enterprise resource planning systems; decision support systems; IT systems development overview; and effective use of up-to-date IT tools and application software. The course consists of 2 hours lecture and 3 hours lab work per week. This course will not count as graduate credit toward AIT program or any graduate program offered at TU.

**Learning Objectives:** Upon completion of this course students should:

1. Understand the concepts related to IT systems in business
2. Understand the social, ethical and security issues related to the use of IT systems
3. Become familiar with the IT system development process
4. Become familiar with the basics of software development principles
5. Become familiar with IT tools and application software

**Suggested Textbooks:**

1. Stair, R. and Reynolds, G., *Principles of Information Systems*, Eight edition, Course Technology
2. Grover C., MacDonald, M., and Vander Veer, E. A., *Office 2007: The Missing Manual*, O'Reilly