

**CENTER FOR APPLIED INFORMATION TECHNOLOGY  
TOWSON UNIVERSITY**

**AIT 616:** Fundamentals of Web Technologies and Development

**Credit Hours:** 3

**Prerequisite:** AIT 600

**Course Description:** Introduction to HTTP protocol, HTML/XHTML, dynamic HTML, JavaScript, PHP, XML, Web security and other major Web technologies. Design and implementation of Client-side scripting, Server-side processing, and Web publishing.

**Learning Objectives:**

1. Proficiency in the use of HTML/XHTML, CSS, JavaScript, and PHP Web Technologies.
2. Familiarity with dynamic HTML technologies
3. Understand current client and server side technologies
4. Understand web server interaction with backend databases
5. Design and publish web sites

**Suggested Textbooks:**

1. Deitel, Deitel, & Nieto, *Internet & World Wide Web How to Program*, Third edition, Prentice Hall
2. Sebesta, R. W., *Programming the World Wide Web*, Second edition, Addison Wesley
3. Ladd E., O'Donnell J., *Using XHTML, XML, and Java 2*, Platinum edition, Que