

**APPLIED INFORMATION TECHNOLOGY
TOWSON UNIVERSITY**

AIT 616: Fundamentals of Web Technologies and Development

Credit Hours: 3

Prerequisite: AIT 610

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

Bibliography:

1. Duckett, *HTML and CSS: Design and Build Websites*, 1st edition, Wiley
2. Camerson, *A Software Engineer Learns HTML5, Javascript and jQuery*, 1st edition, CreateSpace