

CS 3140 : WEB APPLICATION DEVELOPMENT

<i>Semester Hours:</i>	3.0	<i>Contact Hours:</i> 3
<i>Coordinator:</i>	Jadwiga A. Carlson	
<i>Text:</i>	Web Programming with zyLabs	
<i>Author(s):</i>	zyBooks	
<i>Year:</i>	2021	

SPECIFIC COURSE INFORMATION

Catalog Description:

A survey of web technologies and emerging web standards, protocols, markup languages, and scripting languages. Both client-side and server-side technologies and scripting languages are covered. Prerequisite: CS 2010.

Course type: **SELECTED ELECTIVE**

SPECIFIC COURSE GOALS

- I can use client and server-side scripting languages.
- I can design simple web applications that users interact with.
- I can articulate reasonable client-server solutions for certain web applications.
- I have developed project management skills related to web development.
- I can demonstrate technical skills required of web developers.

LIST OF TOPICS COVERED

- Protocols and standards
 - Hypertext Transfer Protocol (HTTP)
- Markup languages
 - Hypertext Markup Language (HTML)
 - Cascading Style Sheets (CSS)

- Extensible Hypertext Markup Language (XHTML)
- Client-side technologies
 - JavaScript
 - DOM
- Server-side technologies
 - SQL
 - PHP