CS 3140: WEB APPLICATION DEVELOPMENT

Semester Hours: 3.0

Coordinator: Jadwiga A. Carlson

Text: Web Programming with zyLabs

Author(s): zyBooks

Year: 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