

# CIS 307 – Web Page Development I

## Course Description

This course prepares students to develop and program Web based applications using client-side scripting techniques. Topics include client side scripting for developing interactive Websites, the use of object-oriented techniques, creating well-formed Web pages as well as techniques for manipulating data in strings and arrays.

## Instructional Materials

Gosselin, D. (2011). *JavaScript: The Web Technologies Series*. (5th ed.). Cengage.

## Course Learning Outcomes

1. Demonstrate an understanding of JavaScript, development tools, and framework.
2. Describe the syntax and components of JavaScript.
3. Configure Web pages in accordance with JavaScript.
4. Create Web pages using object-oriented techniques.
5. Demonstrate the ability to add interactive and animated components into the Web page.
6. Design Web pages within the bounds of data validation.
7. Design, configure, program, compile, and publish Web application programs.
8. Demonstrate the ability to use debugging techniques.
9. Describe the ethical and security issues surrounding the use of JavaScript.
10. Use technology and information resources to research issues in JavaScript.
11. Write clearly and concisely about introductory Web development topics using proper writing mechanics and technical style conventions.