

Computer Science 3312 – Web Programming

Student Learning Outcomes

1. Students will create single-page Web applications using HTML, CSS and JavaScript.
2. Students will learn how to use JavaScript functions, objects and arrays.
3. Students will become familiar with tools that enforce correct and maintainable code.
4. Students will be introduced to techniques to make web apps responsive to devices of different sizes.
5. Students will be introduced to advanced techniques such as web storage, Ajax and timers.

Course Content

Textbook: None required. The following recommended texts may contribute to course content:

- *JavaScript: The Good Parts* by Douglas Crockford
- *Learning Web App Development* by Semmy Purewal
- *Speaking JavaScript* by Axel Rauschmayer
- *Programming JavaScript Applications* by Eric Elliott
- *How JavaScript Works* by Douglas Crockford
- *Mobile HTML5* by Estelle Weyl
- *Secrets of the JavaScript Ninja* by John Resig and Bear Bibeault