

Course Outline

- **Course name:** Web Development
- **Course Number:** MADP 102
- **Minimum Passing Grade:** 70%
- **Start Date:** Jan 15, 2018
- **End Date:** Feb 16, 2018
- **Total Hours:** 100 hours
- **Total Weeks:** 5 weeks

Course goals

- Learn to use current web technologies and tools to hand-code basic web pages.
- Understand best practices and industry standards to design, build and manage websites.

Course Outcomes

- Outline and plan basic Web pages and sites.
- Mark up pages by hand using HTML5.
- Describe the differences between versions of HTML and CSS.
- Style text and page elements using CSS3.
- Use CSS for simple page layout.
- Deploy introductory concepts for client side scripting with JavaScript.
- Manage Web pages and sites with FTP.
- Move on to a series of courses in advanced web development.
- Mark up pages using latest HTML technologies, including HTML5.
- Utilize CSS to control page layout and presentation, including CSS3.

- Add behavior to any web page using JavaScript.
- Create dynamic content using JavaScript frameworks like jQuery.
- Employ Web Standards when building websites for maximum compatibility.
- Implement Server Side Includes for efficient web development.
- Understand basic development methodology.
- Use media queries to create Responsive designs for mobile and desktop presentation.
- Use HTML5 technologies to present rich content such as video, audio, and geolocation.
- Create professional looking typography using web-based fonts.

Course Distribution

- Attendance - 10%
- Labs (10) - 30 %
- 2 Projects - 30% : midterm (10%) , final (20%)
- Final Exam - 30 %
- Makeup Tests, exams, or quizzes: There will be no makeup tests, exams, or quizzes. If you miss a test, exam or quiz, you will receive zero marks. Exceptions may be made for documented medical reasons or extenuating circumstances. In such a case, it is the responsibility of the student to inform the instructor immediately.
- Late assignments/online submissions or projects will not be accepted except for proof of illness. No assignments/projects will be accepted after marked assignments or solutions to questions have been posted.
- Midterm exams, final exams, and project papers: The midterm exam, final exam, and final project will not be returned to the student.

NOTE:

Any form of plagiarism will result in a grade of ZERO for the first instance. Any subsequent instances of Academic Misconduct will meet with harsher penalties. These penalties may include failing the course and/or removal from the program.

Course Plan

Week 1

15 Mon	16 Tue	17 Wed	18 Thurs	19 Fri
Intro to WWW W3C HTML Intro	Web Concepts Validators	HTML - Tables & CSS	CSS Positioning	More CSS

Week 2 - midterm project week

22 Mon	23 Tue	24 Wed	25 Thurs	26 Fri
Forms, HTML5	HTML5 Semantic Elements	CSS Sprites	More CSS3 Techniques	Responsive Web Design

Week 3

29 Mon	30 Tue	31 Wed	1 Thurs	2 Fri
Thanksgiving	JS - Intro & Variables	JS - Data Types and Operators	JS - Strings and Dates	JS - Arrays

Week 4

5 Mon	6 Tue	7 Wed	8 Thurs	9 Fri
JS - Arrays & Events	JS - BootStrap	JS - BootStrap	JS - jQuery	JS - jQuery

Week 5 - final project and final exam

12 Mon	13 Tue	14 Wed	15 Thurs	16 Fri
Final Exam				Final Project