Washtenaw Community College Comprehensive Report

WEB 210 Web Development II
Effective Term: Spring/Summer 2015

Course Cover

Division: Business and Computer Technologies
Department: Digital Media Arts
Discipline: Web Design and Development
Course Number: 210
Org Number: 14500
Full Course Title: Web Development II
Transcript Title: Web Development II
Is Consultation with other department(s) required: No
Publish in the Following: College Catalog , Time Schedule , Web Page
Reason for Submission: Course Change
Change Information:
Course description
Outcomes/Assessment
Objectives/Evaluation
Rationale: Course is being updated to reflect changing industry standards and the skillset required for entry-level Web developers.
Proposed Start Semester: Spring/Summer 2015
Course Description: In this course, students learn advanced front-end coding and also are introduced to JavaScript and the DOM. The topics covered include media queries for responsive design, accessible web development using ARIA, CSS pre-processors, and front-end frameworks. Students will write valid, semantically accurate and accessible HTML5 code and will learn the basics of unobtrusive JavaScript. This course contains material previously taught in INP 170.

Course Credit Hours

Variable hours: No
Credits: 4
Lecture Hours: Instructor: 60 **Student:** 60
Lab: Instructor: 0 **Student:** 0
Clinical: Instructor: 0 **Student:** 0

Total Contact Hours: Instructor: 60 **Student:** 60
Repeatable for Credit: NO
Grading Methods: Letter Grades
Audit
Are lectures, labs, or clinicals offered as separate sections?: NO (same sections)

College-Level Reading and Writing

College-level Reading & Writing

College-Level Math

Requisites

Prerequisite
WEB 110 minimum grade "C"

or
Prerequisite
INP 150 minimum grade "C"
or
Prerequisite
INP 150 test minimum score of 70%
or
Prerequisite
WEB 110 test minimum score of 70%

General Education

General Education Area 7 - Computer and Information Literacy
Assoc in Arts - Comp Lit
Assoc in Applied Sci - Comp Lit
Assoc in Science - Comp Lit

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Identify the HTML5 tags and attributes used in page layout, accessible markup and media-specific implementation as it regards to HTML5.
   Assessment 1
   Assessment Tool: Final Project
   Assessment Date: Fall 2017
   Assessment Cycle: Every Three Years
   Course section(s)/other population: All
   Number students to be assessed: All
   How the assessment will be scored: Departmentally-developed rubric
   Standard of success to be used for this assessment: At least 80% of the students will achieve an overall average of 75% or higher.
   Who will score and analyze the data: Departmental faculty

2. Identify the CSS properties and values used in page layout and advanced styling.
   Assessment 1
   Assessment Tool: Final Project
   Assessment Date: Fall 2017
   Assessment Cycle: Every Three Years
   Course section(s)/other population: All
   Number students to be assessed: All
   How the assessment will be scored: Departmentally-developed rubric
   Standard of success to be used for this assessment: At least 80% of the students will achieve an overall average of 75% or higher.
   Who will score and analyze the data: Departmental faculty

3. Implement modern accessibility techniques.
   Assessment 1
   Assessment Tool: Final Project
   Assessment Date: Fall 2017
   Assessment Cycle: Every Three Years
   Course section(s)/other population: All
   Number students to be assessed: All
   How the assessment will be scored: Departmentally-developed rubric

Standard of success to be used for this assessment: At least 80% of the students will achieve an overall average of 75% or higher.
Who will score and analyze the data: Departmental faculty

4. Create valid graphical web page layouts that properly render cross-browser and cross-platform using a variety of techniques, including implementing some layouts in front-end frameworks.
   Assessment 1
   Assessment Tool: Final Project
   Assessment Date: Fall 2017
   Assessment Cycle: Every Three Years
   Course section(s)/other population: All
   Number students to be assessed: All
   How the assessment will be scored: Departmentally-developed rubric
   Standard of success to be used for this assessment: At least 80% of the students will achieve an overall average of 75% or higher.
   Who will score and analyze the data: Departmental faculty

5. Write basic JavaScript to modify document behavior and appearance.
   Assessment 1
   Assessment Tool: Final Project
   Assessment Date: Fall 2017
   Assessment Cycle: Every Three Years
   Course section(s)/other population: All
   Number students to be assessed: All
   How the assessment will be scored: Departmentally-developed rubric
   Standard of success to be used for this assessment: At least 80% of the students will achieve an overall average of 75% or higher.
   Who will score and analyze the data: Departmental faculty

Course Objectives

1. Implement the HTML5 tags and attributes used in advanced coding. These include: accessible forms, accessible data tables, and media-specific CSS for responsive designs.
2. Create web pages using a CSS pre-processor and also involving a front-end framework.
3. Implement ARIA in web pages to enhance accessibility.
4. Implement JavaScript to control web page behavior and appearance.

New Resources for Course

Course Textbooks/Resources

Textbooks
Manuals
Periodicals
Software

Equipment/Facilities

Level III classroom
Computer workstations/lab

Reviewer	Action	Date
Faculty Preparer:		
Jason Withrow	*Faculty Preparer*	*Jan 08, 2015*
Department Chair/Area Director:		
Jason Withrow	*Recommend Approval*	*Jan 09, 2015*

Dean:		
Kimberly Hurns	*Recommend Approval*	*Jan 13, 2015*
Curriculum Committee Chair:		
Kelley Gottschang	*Recommend Approval*	*Feb 10, 2015*
Assessment Committee Chair:		
Michelle Garey	*Recommend Approval*	*Feb 11, 2015*
Vice President for Instruction:		
Bill Abernethy	*Approve*	*Feb 16, 2015*