



HTML & CSS
WEB 115- Section: 001

Credit Hours: 3.00
IAI Core:
Semester: Spring 2016
Days: MW

Lab Hours: 2.00
IAI Majors:
Course Begins: 1/20/2016
Times: 3:00 – 4:50 pm

Lecture Hours: 2.00
Course Ends: 5/11/2015
Room: E116

Instructor: Meri Winchester

E-mail: Please use the canvas messaging system to contact me

Phone: 815-575-1235 (Cell – limit calls to between 9am and 9pm)

Office Hours: Posted in Canvas

Office Location: E110 – Office hours in E114

Other Contact Information: Canvas messages forward to my phone and are the best way to reach me

Website: Canvas- www.mchenry.instructure.com

Required Course:

Textbook(s): assorted web resources

Supplies: Head phones, portable hard drive or thumb drive at least 16 gigs

Course Description:

HTML & CSS introduces professional web scripting, creation and management techniques. Upon completion of the course, students are able to script a website using current standards approved by the World Wide Web Consortium (W3C). This course was formerly CIS 142 Web Scripting.

Course Prerequisite: WEB 105 with a grade of C or higher.

Course Note: For additional offerings of computer and digital media courses, see also Animation, Computers and Digital Media, Graphic Arts and Web Design.

Section Notes:

Course Objectives:

1. Explain the history of web languages
2. Apply current web standards to coding of a web page
3. Demonstrate the function of each language
4. Discuss the pros and cons of using each scripting language
5. Modify scripting for different browsers
6. Script for different interfaces
7. Plan and create multiple websites
8. Script the simple site for cross-platform compatibility
9. Test the current site
10. Use an FTP to upload the sites
11. Make web pages responsive to screen sizes

Course Outline

I. Components of the web

- A. Web pages and websites
- B. URLs, HTTPs, host names and domain names

- C. Working with different browser types
- D. What web servers do
- E. Creating pages that will work on multiple platforms
- II. Brief history of covered scripting languages
 - A. HTML
 - B. CSS
- III. Planning a website
 - A. Creating wireframes and sketches
 - B. Planning your directories
 - C. Settling on naming conventions
 - D. Thinking about the client
- IV. HTML 5
 - A. Components of an HTML document
 - B. Saving/storing/organizing your files
 - C. Your web pages
 - D. Elements, attributes and tags
 - E. Setting up the page properly
 - F. HTML comments
 - G. Creating and formatting in HTML
 - H. Format using HTML 5-specific tags
- V. HTML in action
 - A. Creating a simple index pages
 - B. Creating a basic form
 - C. Overview of Common HTML tags
 - D. New features available with HTML 5
- VI. CSS 3
 - A. Typical usage
 - B. CSS types
 - C. Using selectors
 - D. Styling
 - E. Using CSS comments
 - F. Using DIV layers
- VII. CSS in action
 - A. Where to put your CSS (external, internal, in line)
 - B. Creating a site with CSS
 - C. Creating table-less sites with CSS
- VIII. CSS 2D Transitions and Transforms
 - A. Enhancing the user experience
 - B. Color changes
 - C. Size changes
 - D. Font changes
- IX. Enhanced 3D Transitions and Transforms
 - A. The Z index
 - B. Creating an image cube
 - C. Animating an image cube
- X. Creating your own website
 - A. Choosing a domain names
 - B. Choosing a host

- C. FTP and cPanel
- D. Managing your files
- E. Promoting your site

Assignments and Grading Criteria

Labs: 20%

Attendance and Participation: 20 %

Projects: 60%

Policies

Attendance policy: Attendance is critical to success. Points will be lost for missing class, arriving late, or leaving early. If you have an emergency, contact your instructor to find out what work must be made up.

Late work/make-up policy: Late work will be penalized. Work turned in more than a week late or after the end date of the course will not be accepted.

Weekly Course Schedule

Dates of Class Meetings	M/W Course Schedule Spring, 2016
Jan 20	Closed Monday 18th MLK Birthday <ul style="list-style-type: none"> • Setting up your work environment • File and server management • Brackets
Jan 25-27	Evaluating good vs. bad design Usability and ADA compliance <ul style="list-style-type: none"> • Metadata and alt tags • Semantic markup • Color, readability, and usability concerns • Semantic HTML practice • HTML Outliner
Feb 1-3	Fluid page layout <ul style="list-style-type: none"> • Percentage-based • Ems, rems, and responsive units Imaging for the web <ul style="list-style-type: none"> • File formats

	<ul style="list-style-type: none"> • Where to find images • Exporting your own images
Feb 8-10	Advanced CSS techniques <ul style="list-style-type: none"> • WEB fonts • Transitions • Menus • Typography
Feb 15-17	Advanced CSS Selectors Introducing PHP
Feb 22-24	Site proposals and Wireframes Begin midterm project
Feb 29-Mar 2	Responsive Web Design Best practices for Mobile Design Work on Midterm Project
Mar 7-9	Mid-term Week Present mid term projects
Mar 14-16	Better coding practices <ul style="list-style-type: none"> • CSS preprocessors: SCSS SASS • Automating code cleanup and browser prefixes • Creating and using design patterns
Mar 21-23	Frameworks Proposal and wireframe for Project 2
Mar 28-30	Spring Break
Apr 4-6	Building a site using skeleton
Apr 11-13	Skeleton Project Review
Apr 18-20	Introducing Bootstrap Plan final project in Bootstrap
Apr 25-27	Advanced bootstrap techniques
May 2-4	Complete final project
May 9	Present final project
May 11	Final Exam Week

Teaching Schedule

The scheduling of the activities and teaching strategies on this syllabus, but not the objectives or content, may be altered at any time at the discretion of the instructor.

Withdrawals: The last day to drop this course is **4/14/16**. Failure to attend class does not constitute official withdrawal. If students are considering a withdrawal, they should consult directly with the instructor and an academic advisor. Students may withdraw from a class through the Registration Office, either in person or by fax: (815) 455-3766. In their request, students should include their name, student ID number, course prefix, number and section, course title, instructor, reason for withdrawing, and their signature. Withdrawal from a course will not be accepted over the telephone.

Academic Support for Special Populations Students

Students with Disabilities:

It is the policy and practice of McHenry County College to create inclusive learning environments. If you are a student with a disability that qualifies under the American with Disabilities Act – Amended (ADAA) and require accommodations, please contact the Access and Disability Services office for information on appropriate policies and procedures for receiving accommodations and support.

Disabilities covered by ADAA may include learning, psychiatric, and physical disabilities, or chronic health disorders. Students should contact the Access and Disability Services office if they are not certain whether a medical condition/disability qualifies. To receive accommodations, students must make a formal request and must supply documentation from a qualified professional to support that request. However, you do not need to have your documentation in hand for our first meeting. Students who believe they qualify must contact the Access and Disability Services office to begin the accommodation process. All discussions remain confidential. The Access and Disability Services office is located in Room A260 in A Building in the Atrium. To schedule an appointment to speak with the manager, please call (815) 455-8766. Information about disabilities services at MCC can be found at:

www.mchenry.edu/access

Students in Career/Technical Programs

As a student enrolled in a career or technical education program at McHenry County College, you may be eligible for services and assistance under the Carl D. Perkins III Grant. Grant funds are used, in part, to assist students who are at risk of not succeeding in their educational pursuits. The traits that often prevent students from succeeding are: economic disadvantage, academic disadvantage, disability/disabilities, single parent, displaced homemaker, enrollment in a program in which their gender is under represented, and limited English proficiency (LEP). The definitions of each trait are available in the Access and Disability Services office. Students with one or more of these traits are referred to as **Perkins Special Populations Students**.

If you would like to know if you are eligible for services at any time during the semester, please do not hesitate to contact the Manager, Access and Disability Services. The office is Room A260, and phone number is (815) 455-8676.

Additional syllabus information and resources can be found at www.mchenry.edu/syllabusinfo.

STUDENTS ARE RESPONSIBLE FOR KNOWING ALL SYLLABUS INFORMATION.