McHenry County College

# WEB FUNDAMENTALS
## WEB-105-   Section:  004

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| **Credit Hours:**  3.00 | **Lab Hours:**  2.00 | **Lecture Hours:**  2.00 |
| **IAI Core:** | **IAI Majors:** | |
| **Semester: Fall** | **Course Begins:  8/22** | **Course Ends: 12/14** |
| **Days: M W** | **Times: 11:00 AM 12:50PM** | **Room:  E112** |

**Instructor:**  Meri Winchester
**Email**: Mwinchester@mchenry.edu
**Phone:**  815-575-1235 – cell – you may call or text between 9 am and 9pm
**Office Hours:** Published on Canvas
**Office Location:** E110
**Other Contact Information:**  The best way to reach me is from the mail system inside of Canvas, that forwards to my phone
**Website (optional):** mchenry.instructure.com

**Required Course:**

    **Textbook(s):**   none

    **Supplies (if desired):** mac or windows computer, brackets software (free), headphones or speakers

**Course Description:**
Web Fundamentals provides students with the tools to access, explore, and contribute to the Internet. Students work with current web tools as well as create a basic website by hand coding.

**Course Note:**

**Section Notes:**

**Course Objectives:**
Upon completion of the course, the student will be able to:
1. Use FTP (File Transfer Protocol) software to upload files
2. Discuss core principles of Search Engine Optimization
3. Describe the legal, ethical, and social issues associated with internet use
4. Define the purpose of blogs, Wikis, and forums
5. List privacy concerns with social networking sites
6. Describe emerging Internet technologies
7. Hand code basic HTML structures
8. Manage basic website functions through a control panel
9. Create a wireframe to plan a website
10. Use a content management system to create a website
11. Create basic style sheets to control fonts and colors on a web page
12. Format page layout across multiple pages using external style sheets

**Course Outline:**
  I.     Web Servers
         A.  File Organization
         B.  Uploading and downloading files
  II.    Searching the Internet
         A.  Effective search techniques
         B.  Using various search engines
  III.   Ethical, Legal, and Social Issues
         A.  Privacy and civil liberties
         B.  Intellectual property and copyright
         C.  Security
         D.  Social Networking
  IV.    Emerging Internet Technologies
  V.     Web Page Creation
         A.  Planning a web site with wire frames
         B.  Hand coding basic HTML
         C.  Cascading style sheets
         D.  Page layout using Divs
         E.  Content Management Systems
  VI.    Managing a web site
         A.  Selecting a web host
         B.  Backups
         C.  Testing

## Assignments and Grading Criteria

Labs: 50%
Projects: 40%
Attendance/participation: 10%

## Policies

**Attendance policy:** Attendance for the ENTIRE COURSE PERIOD is required. Showing up late or leaving early will be penalized.

**Late work/make-up policy:** Late work will lose 20% of the possible points for each day that it is late. If you hand in a non-working program, you will get a 3 day extension. ALSO EMAIL THE PROGRAM WITH A DESCRIPTION OF THE PROBLEM FOR THE EXTENSION.

## Weekly Course Schedule

| Dates of Class Meetings | Course Schedule |
|---|---|
| Week #1 Week of 8/22 | • What makes a web page good or bad? <br> • Web Servers <br> • Tools |
| Week #2 Week of 8/29 | • Web Languages <br> • HTML Essentials <br> • Creating your first web page |
| Week #3 Week of 9/5 | ***MCC IS CLOSED ON SEPTEMBER 5$^{TH}$ IN HONOR OF LABOR DAY***** <br><br> • Adding plugins to brackets <br> • Introducing styles <br> • Formatting |
| Week #4 Week of 9/12 | • Ethical issues on the internet <br> • Using Colors <br> • Accessibility <br> • Creating an online advertising page |
| Week #5 Week of 9/19 | • Links and CSS <br> • Lists <br> • Creative commons |
| Week #6 Week of 9/26 | • Search Engine Optimization <br> • Images <br> • Project – using external style sheets |
| Week #7 Week of 10/3 | • Selecting Colors <br> • Selecting Fonts <br> • Index page |
| Week #8 Week of 10/17 | • Privacy on the internet <br> • Wireframing <br> • Favicons |
| Week #9 Week of 10/24 | • Tables <br> • Blocks <br> • Website creation tools |

| Week #10 Week of 10/31 | • Layout<br>• Semantic Design project |
|---|---|
| Week #11 Week of 11/7 | • Sound<br>• Iframes<br>• Emerging Web Trends |
| Week #12 Week of 11/14 | • YouTube<br>• Project: Organizing and using multimedia |
| Week #13 Week or 11/21 | ****MCC IS CLOSED 11/23 – 11/26 FOR THE THANKSGIVING HOLIDAY****<br>Creating and using a responsive grid |
| Week #14 Week of 11/28 | • Comprehensive project: Responsive website<br>• Introduce WordPress |
| Week #15 Week of 12/5 | • Peer review of comprehensive site<br>• Wordpress posts, themes and pages |
| Week #16 Week of 12/12 | • Wordpress site due<br>• Corrected comprehensive site due |

### 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 **11/16/16.** 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.**