

Web Design I (IMED 1316)



Credit: 3 semester credit hours (2 hours lecture, 2 hours lab)

Prerequisite/Co-requisite:

Course Description

Instruction in web design and related graphic design issues including mark-up languages, web sites, and browsers.

Required Textbook and Materials

1. *Beginning HTML and CSS*
 - a. ISBN: 9781118340189
2. USB Flash Memory drive
3. Access to Text Editor (Notepad++, Textpad, Dreamweaver)
4. Graphic editing software Photoshop, Gimp, Blender
5. Access to File Transfer Protocol(FTP) program, Filezilla, Free FTP
6. Web Hosting provider

Course Objectives

Upon completion of this course, the student will be able to:

1. Identify how the Internet functions with specific attention to the World Wide Web and file transfer.
2. Apply design techniques in the creation and optimization of graphics and other embedded elements.
3. Demonstrate the use of World Wide Web Consortium (W3C) formatting and layout standards.
4. Design, create, test, and maintain a web site.

Course Outline

- | | |
|--------------------------------------|-------------------------------|
| A. Structuring Documents for the Web | |
| 1. Introducing HTML5 | 1. Basic Links |
| 2. Attribute Groups | 2. Directories and Structures |
| 3. Core Elements | 3. URLs |
| 4. Basic Text Formatting | 4. Page Links |
| 5. Grouping Content | 5. E-mail Links |
| 6. Working with List | D. Images, Audio, and Video |
| B. Fine-Tuning Your Text | 1. Adding Images |
| 1. Text-Level Semantics | 2. Image Links |
| 2. Editing Text | 3. Adding Flash and Video |
| 3. Special Characters | E. Tables |
| C. Links and Navigation | 1. Intro to Tables |

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- 2. Basic Table Elements
- 3. Captions
- 4. Grouping
- 5. Nested Tables
- F. Forms
 - 1. Creating Web Forms
 - 2. Field Sets
 - 3. Input Boxes
 - 4. Labels
 - 5. Web Form Style Sheets
 - 6. Selection List
 - 7. HTML 5 Data types
 - 8. Form Validation
- G. CSS
 - 1. Introducing CSS
 - 2. CSS Properties
 - 3. Controlling Text
 - 4. Text Formatting
 - 5. Pseudo-Classes
- 6. Selectors
- 7. Box Model
- H. Advanced CSS
 - 1. Links
 - 2. Backgrounds
 - 3. List
 - 4. Tables
 - 5. Positioning and Layout
- I. Animations and Custom Fonts
 - 1. CSS3 Modules
 - 2. New Modules
- J. JavaScript
 - 1. Server Side Programming
 - 2. Client Side Programming
 - 3. Script Element
 - 4. Variables
 - 5. Data Types

Grade Scale

90 – 100	A
80 – 89	B
70 – 79	C
60 – 69	D
0 – 59	F

Course Evaluation

Final grades will be calculated according to the following criteria:

1. Daily work	35%
2. Home work	35%
3. Quizzes & Test	30%

Course Requirements

- 1. A grade of 'C' or better must be earned in this course for credit toward degree requirement.
- 2. Pass W3 Schools or Expert Rating HTML Certification
- 3. Display proper design techniques
- 4. Display understanding of proper HTML/XHTML syntax

Course Policies

- 1. No food, drinks, or use of tobacco products in class.
- 2. Cellphones, MP3 players, tablets, notebook/netbook(s) and any other electronic devices must be turned off while in class.
- 3. Do not bring children to class.
- 4. No late assignments will be accepted. Any assignment submitted after the Blackboard cut-off time will result in a '0'.

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5. **Tests.** Students that miss a test are not allowed to make up the test. Students that miss a test will receive a grade of '0'.
6. If you wish to drop a course, the student is responsible for initiating and completing the drop process. If you stop coming to class and fail to drop the course, you will earn an 'F' in the course.
7. A grade of 'C' or better must be earned in this course for credit toward degree requirement
8. All assignments will be completed using Blackboard. Assignment may not be submitted via email.
9. **Attendance:** Students should be present and punctual for all classes. Any assignment missed due to absence will result in a zero.
10. **Tardiness:** If tardy, enter quietly and do not disturb the class. Students that are tardy or miss a class are responsible for all work and/or discussion missed. The student is responsible to obtain missed material from a classmate. **Do not expect your instructor to repeat a lecture & do not interrupt your instructor.**
11. Do not talk, type, or print while the instructor is talking to the class or when a student is asking a question that pertains to the class.
12. Refrain from "surfing" the Web during class, unless directed by your instructor.

Disabilities Statement

The Americans with Disabilities Act of 1992 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. Among other things, these statutes require that all students with documented disabilities be guaranteed a learning environment that provides for reasonable accommodations for their disabilities. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator at (409) 880-1737 or visit the office in Student Services, Cecil Beeson Building.

Course Schedule

Refer to Blackboard or MyITlab for actual assignments and due date

Week of	Topic	Reference
Week 1	Getting Started with HTML 5	Chapter 1
Week 2	Developing a Web Site	Chapter 2
Week 3	Test 1 Developing a Web Page with CSS	Chapter 1 – 2 Chapter 3
Week 4	Test 2 Page Layouts with CSS	Chapter 1 – 3 Chapter 4
Week 5	Test 3 Tables and Columns	Chapter 1 – 4 Chapter 5
Week 6	Test 4 Mid-Term Project	Chapter 1 – 5

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Week of	Topic	Reference
Week 7	Mid-Term Project	Chapter 1 - 5
Week 8	Web Forms	Chapter 6
Week 9	Test 5 Multimedia Web Site	Chapter 1 – 6 Chapter 7
Week 10	Test 6 Advanced CSS	Chapter 1 – 7 Chapter 8
Week 11	Test 7 XHTML	Chapter 1 – 8 Chapter 9
Week 12	Test 8 JavaScript	Chapter 1 – 9 Chapter 10
Week 13	Java Script Test 9	Chapter 10 Chapter 1 - 10
Week 14	Final Project	
Week 15	Final Project	
Week 16	Final Project	

Contact Information:

Varies by Instructor