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
   2. Attribute Groups
   3. Core Elements
   4. Basic Text Formatting
   5. Grouping Content
   6. Working with List
B. Fine-Tuning Your Text
   1. Text-Level Semantics
   2. Editing Text
   3. Special Characters
C. Links and Navigation
D. Images, Audio, and Video
   1. Basic Links
   2. Directories and Structures
   3. URLs
   4. Page Links
   5. E-mail Links
E. Tables
   1. Intro to Tables

Approved 10/2013
IMED 1316
Course Syllabi

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

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

<table>
<thead>
<tr>
<th>Score Range</th>
<th>Grade</th>
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<tbody>
<tr>
<td>90 – 100</td>
<td>A</td>
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<td>60 – 69</td>
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<td>0 – 59</td>
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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’. 

Approved 10/2013 2
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

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<tr>
<th>Week of</th>
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<tbody>
<tr>
<td>Week 1</td>
<td>Getting Started with HTML 5</td>
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<td>Week 2</td>
<td>Developing a Web Site</td>
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<td>Week 3</td>
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Approved 10/2013
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**Contact Information:**
Varies by Instructor