COURSE SYLLABUS

COM122: Web Interface Development

Course Description

This course provides complete coverage of HTML, CSS, and XML including up-to-date coverage of HTML5 and CSS3 for Web site creation. It includes document enhancement with sound, video, and applets. Describes how Web forms are created and its interaction with a Web server. Included in the course it demonstrates using advanced CSS for designing or for the testing of mobile devices. This course introduces XML and how to create XML documents that include XML and mobile development. Finally it describes document validation against DTDs and schema vocabularies.

General Course Information

Number of Units/Weeks	4/10
#Hours Lecture/#Hours Laboratory/#Hours Homework	30/20/60
Prerequisite(s)	N/A
Co-requisites (s)	N/A
Course Developer(s)	Darlene Garcia, B.A.
Date Approved / Last Review	July 2014 / New

Learning Outcomes

Identify requirements to plan and determine web site structure and associated content using modern techniques and best practices

Create client-side web applications using modern techniques and best practices

Use latest web technologies to create web interfaces

Identify and use the appropriate development technologies, tools, and frameworks for web interface development

Create simple HTML websites using modern techniques and best practices

Use CSS to format and layout web page documents

Validate XML with CSS web applications based on the W3C standards

Instructional Methods Employed in this Course

Assigned project
Hands-on exercises and labs
LASA midterm and final
Lecture / in-class exercises / quick check questions
Quizzes
Reading assignments
Student presentations
Rubrics

Information Resources for this Course

Textbook

Carey, P. (2014). *HTML, CSS, and XML* (4th Ed.): Carey Associates, Inc.

Other Materials

Text editor, current versions of major browsers, XML validating parser, Microsoft Word

Drawing tools

Microsoft Powerpoint

Web Site References

http://www.w3.org/
http://www.w3schools.com/
http://www.whatwg.org/

Table/Topics & Assignments

Types of Assignments:

Lecture: Considered Lecture Hours
Classroom Discussion: Considered Lecture Hours
In Class Critique: Considered Lecture Hours
Delivering Oral Presentations: Considered Lecture Hours
In Class (IC) Exercise: Considered Lecture Hours
Reading: Considered Homework (HW), work done outside of class.
WebClass lesson (non-online courses): Considered HW, work done outside of class
Lab Work: Considered Lab Hours
Quiz, Midterm or Final: Considered Lecture Hours

Week 1						
Type	**Topic/Description**	**LEC Hours**	**LAB Hours**	**HW Hours**	**Point Value**	**Due**
LEC 1A/B	Getting Started with HTML5 and Developing a Web Site	1.5				
IC EX 1A/B	Create product page for a small business and simple Web Site for Amateur Photographers	1.5				
LAB 1A/B	Case problems			10	60	week 2
HW 1A	Read Tutorials 1 and 2 (136 pages). Evaluated by HW1B			2		
HW 1B	50 Review questions (Tutorials 1 and 2)			4	60	week 2
Total Week 1		3	0	16	120	
Week 2						
		LEC	**LAB**	**HW**	**Point**	

Type	Topic/Description	Hours	Hours	Hours	Value	Due
LEC 2A/B	Designing a Web Page with CSS and Creating Page Layouts with CSS	1.5				
IC EX 2A/B	Create a Web Site for a Rural Farm and Designing a Web Site for a Cycling Club	1.5				
LAB 2A/B	Case problem			10	30	week 3
HW 2A	Read Tutorials 3 and 4 (180 pages). Evaluated in HW2B			2		
HW 2B	25 Review questions (Tutorials 3 and 4)			4	30	week 3
Total Week 2		3	4	16	60	
Week 3						
Type	**Topic/Description**	**LEC Hours**	**LAB Hours**	**HW Hours**	**Point Value**	**Due**
LEC 3A	Working with Tables and Columns	1.5				
IC EX 3A	Creating a Radio Program Schedule	1.5				
LAB 3A	Case problem			4	30	week 4
HW 3A	Read Tutorial 5 (96 pages). Evaluated in HW3B			1		
HW 3B	25 Review questions			2	30	week 4
Total Week 3		3	0	7	60	
Week 4						
Type	**Topic/Description**	**LEC Hours**	**LAB Hours**	**HW Hours**	**Point Value**	**Due**
LEC 4A	Creating a Web Form	1.5				
IC EX 4A	Designing a survey form and enhancing a document with sound, video, and applets	1.5				
HW 4A	Case problem			4	30	week 5
HW 4B	Read Tutorial 6. Evaluated by HW4C			1		
HW 4C	25 Review questions			2	30	week 5
Total Week 4		3	4	7	60	
Week 5						
Type	**Topic/Description**	**LEC Hours**	**LAB Hours**	**HW Hours**	**Point Value**	**Due**
Exam 5A	Midterm exam				100	
Exam 5B	Midterm practical				100	
LEC 5A	Designing a Multimedia Web Site	3				
HW 5A	Case problem			4	30	week 6

HW 5B	Read Tutorial 7. Evaluated in HW5C			1		
HW 5C	25 Review questions			2	30	week 6
Total Week 5		3	0	7	260	
Week 6						
Type	**Topic/Description**	**LEC Hours**	**LAB Hours**	**HW Hours**	**Point Value**	**Due**
LEC 6A	Enhancing a Web Site with Advanced CSS	1.5				
IC EX 6A	Designing for Special Effect, Print Media, and the Mobile Web	1.5				week 7
HW 6A	Case problem			4	30	week 7
HW 6B	Read Tutorial 8 (96 pages). Evaluated in HW6C			1		
HW 6C	25 Review questions			2	30	week 7
Total Week 6		3	4	7	60	
Week 7						
Type	**Topic/Description**	**LEC Hours**	**LAB Hours**	**HW Hours**	**Point Value**	**Due**
LEC 7A	Working with XHTML	1.5				
IC EX 7A	Creating a well-formed, valid document	1.5				week 8
HW 7A	Case problem			4	30	week 8
HW 7B	Read Tutorial 9 (42 pages)			1		
HW 7C	25 Review questions			2	30	week 8
Total Week 7		3	0	7	60	
Week 8						
Type	**Topic/Description**	**LEC Hours**	**LAB Hours**	**HW Hours**	**Point Value**	**Due**
LEC 8A	Creating an XML Document	1.5				
IC EX 8A	Developing a document for a Pet Boutique	1.5				week 9
HW 8A	Case problem			4	30	week 9
HW 8B	Read Tutorial 11 (66 pages)			1		
HW 8C	25 Review questions			2	30	week 9
Total Week 8		3	4	7	60	
Week 9						
Type	**Topic/Description**	**LEC Hours**	**LAB Hours**	**HW Hours**	**Point Value**	**Due**
LEC 9A	Programming with JavaScript	1.5				

IC EX 9A	Hiding E-Mail Addresses on a Library Web Site	1.5				week 10
HW 9A	Case problem			4	30	week 10
HW 9B	Read Tutorial 10 (45 pages)			1		
HW 9C	25 Review questions			2	30	week 10
Total Week 9		3	0	7	60	

Week 10

Type	Topic/Description	LEC Hours	LAB Hours	HW Hours	Point Value	Due
LEC 10A	Final Instructions	3				
Exam 10A	Final exam				100	
Exam 10B	Final presentations				100	
Total Week 10		3	4	0	200	

Course Hours Summary

Week	Topic	LEC Hours	LAB Hours	HW Hours
1	Getting Started with HTML5 and Developing a Web Site	3	0	16
2	Designing a Web Page with CSS and Creating Page Layouts with CSS	3	4	16
3	Working with Tables and Columns	3	0	7
4	Creating a Web Form and Designing a Multimedia Web Site	3	4	7
5	Midterm exam/Midterm practical	3	0	7
6	Enhancing a Web Site with Advanced CSS	3	4	7
7	Working with XHTML	3	0	7
8	Creating an XML Document	3	4	7
9	Programming with JavaScript	3	0	7
10	Final exam/practical exam	3	4	0
Total		30	20	81

Table/Point Breakdown

Assignment Type	Possible Points	Percentage of
Case Problems	300	30%
Review Questions	300	30%

Midterm	200	20%
Final	100	10%
Final Presentation	100	10%
Total	1000	100%

Your Grades for this Course

Your final grade for this course will be based on an assessment by the Instructor of Students in this course should be graded following Coleman University assessment practices and policies. A point system is used in the University to indicate student performance on various required activities or projects. For this course, it is recommended that points be distributed as follows:

Coleman University Grade Assignment Policy:

Percent	Letter Grade	Grade Points
94-100	A	4
90-93	A-	3.67
87-89	B+	3.33
84-86	B	3
80-83	B-	2.67
77-79	C+	2.33
74-76	C	2
70-73	C-	1.67
67-69	D+	1.33
64-66	D	1
60-63	D-	0.67
N/A	INC	0
N/A	W	0
60 or above	CR	0
59 or below	NC	0
N/A	I	0
N/A	W	0
N/A	AU	0
N/A	TR	0
N/A	WV	0

Legend	
CR = Credit	NC = No Credit
I = Incomplete	W = Course Withdrawal
AU = Audit	TR = Transfer Credit
WV = Waiver	

Academic Accommodation / Adjustment Policy:

In accordance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA), Coleman University offers accommodations to students with documented physical, psychological, and/or cognitive disabilities. Coleman University will adhere to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations as required to offer equal educational opportunities to qualified disabled individuals.

To qualify for an academic accommodation under ADA, the student must provide adequate documentation of a disability. Students seeking academic accommodations should contact the campus ADA Coordinator at 858-966-3953 or via email at ada@coleman.edu. The ADA Coordinator will review the documentation provided and verify ADA coverage. Students covered under ADA must meet with the ADA Coordinator at the beginning of every term to determine the appropriate academic accommodations. Failing to meet with the ADA Coordinator at the beginning of every term may impact the availability of accommodations.

After the academic accommodations have been determined, the students' instructors will be notified by the ADA Coordinator. If any problems or concerns regarding the provision of accommodations occur, the student must inform the ADA Coordinator. If the student feels accommodation is not being made appropriately, the student may follow the published Student Grievance Procedures.