

WDMD 211 – Web Design and Development II (Internet Languages)

11:00 – 12:15, T (B348) R (A224)

Instructor	Tim Krause, tkrause@uwsp.edu http://www.timkrause.info
Office	SCI B231 715-346-3851 (Skype: tgkrause)
Office Hours	M, W 1:00-2:00 T, R 10:00-11:00
Calendar	http://www.timkrause.info/google/calendars/1.html

Overview

This course introduces the concepts and languages associated with programming client-side interactive Web pages. We will cover the logical flow of computer processing steps and the concepts associated with object-oriented programming. These concepts will be put into practice through extensive study of client-side and server-side programming techniques using JavaScript, PHP, XML and XSLT. The course will also introduce Active-X, Plug-ins and Ajax.

This course is the third in a four course sequence:

WDMD 110/111	Object-Oriented Programming
WDMD 210	Web Design and Development I
WDMD 211	Web Design and Development II
WDMD 312	Web Design and Development III

To be successful in this course requires a thorough knowledge of XHTML and CSS, as learned in WDMD 210. You must be able to develop Web pages using a text editor. Please contact your instructor if you do not feel confident in your knowledge of these areas, including basic form development. Some remedial work may be necessary before you complete the third week of this course.

Objectives

- Develop the ability to critically identify, select and use programming and scripting languages to develop interactive Web and digital media
- Understand, identify and appropriately choose between client and server side scripting languages
- Model, modify, update and query data using XML schema
- Continue developing the ability to trouble-shoot and debug code written by oneself and others
- Continue developing the skill of presenting technical solutions, orally and in writing

Required Texts

Rental - Wilton & McPeak (2007). *Beginning JavaScript*. 3rd Ed., Wrox.
Purchase – Vaswani. (2008). *PHP – A Beginner’s Guide*. McGraw Hill.

Required Material

You are responsible for storing and backing up your assignments. **Lost data is not an appropriate excuse for late work, and will not be accepted.**

Assignments

Exercises	100	Projects	
Mid-term Exam	200	Form	100
Quizzes (5)	100	JS Project	100
Final Exam	200	PHP Project	200
Total	1,000		

Due Date & Late Policy

Unless otherwise noted by the instructor, assignments are due before the **beginning of class** on the due date. Grades for late assignments will be reduced by one letter grade per weekday. Assignments may only be made up if the absence was due to documented illness, approved university activity or family emergency.

If you miss class due to an approved university activity, illness or family emergency on the day a test is given or an assignment is due, it is your responsibility to contact the instructor **before the start of that day** in order to make arrangements.

Attendance Policy

This class assumes perfect attendance. You must arrive on time and remain in class for the entire period, or will be counted as absent. Due to the likelihood of job interviews and other unanticipated events, you are allowed to miss no more than four class periods. Five or more unexcused absences will require that you repeat the course.

Grading Scale Final grades will be determined according to the following scale:

		A	100 – 94%	A-	93 – 91%
B+	90 – 88%	B	87 – 84%	B-	83 – 81%
C+	80 – 78%	C	77 – 74%	C-	73 – 71%
D+	70 – 68%	D	67 – 61%	F	< 61%

I reserve the right to lower the grading scale (e.g. it may require less than 94% to earn an A).

Academic Integrity

Academic dishonesty of any kind will not be tolerated. If you have any questions about what constitutes academic misconduct, ask me or consult your university handbook. A description of your rights and responsibilities as a member of the UW-SP community can be found at:

<http://www.uwsp.edu/admin/stuaffairs/rightsandresponsibilities.aspx>

Student Academic Standards and Disciplinary Procedures (UWS/UWSP Chapter 14) are available at: <http://www.uwsp.edu/admin/stuaffairs/rights/rightsChap14.pdf>

Cell Phone, IM and Recording Device Policy

Please turn off cell phones before entering the classroom. Cell phones may not be used in the classroom without prior permission of the instructor. Instant messaging, including *Facebook*, should also be turned off, unless you are communicating with a group member working remotely. If you would like to record (video or audio) any aspect of this course, please seek prior permission from the instructor.

Date	Assignment	Reading	Due
Jan. 26	Introduction to JavaScript	Chapter 1	
Jan. 28	Data Types and Variables	Chapter 2	
Feb. 2	Loops and Functions	Chapter 3	
	Troubleshooting	Chapter 10	
Feb. 4	Quiz 1, Loops and Functions	Chapter 3	
Feb. 9	Objects	Chapter 4	
Feb. 11	Quiz 2, Programming the Browser	Chapter 5	
Feb. 16	Forms	Chapter 6	
Feb. 18	CSS Review and innerHTML tricks	Online Research	
Feb. 23	Regular Expressions	Chapter 8	
Feb. 25	Quiz 3, Workshop		
March 2	String Manipulation	Chapter 8	
March 4	Workshop		Form
March 9	Midterm Exam		
March 11	Workshop *		
March 16	Windows ; Date and Time	Chapters 7 and 9	
March 18	Workshop		JavaScript Project
March 23	No Class – Spring Break		
March 25			
March 30	XML	Chapter 14	
April 1	XSLT Transformation	Handouts	
April 6	Plugins and Active X	Chapter 15	
April 8	Ajax and JavaScript	Chapter 16	
April 13	Introduction to PHP	Chapter 1	
April 15	Quiz 4, Variables and Operations	Chapter 2	
April 20	Controlling Program Flow	Chapter 3	
April 22	Workshop		
April 27	Working with Arrays	Chapter 4	
April 29 *	Quiz 5, Workshop		
May 4	Functions and Classes	Chapter 5	
May 6	Functions and Classes	Chapter 5	
May 11	Files and Directories	Chapter 6	
May 13	Workshop		
May 17	Final Exam		PHP Project

Final Exam: May 17, 12:30-2:30 p.m., A224

* Denotes days I will be unavailable due to professional conferences; *Class will still meet.*