

COURSE SYLLABUS

WEBD 169 - WEBSITE DEVELOPMENT USING CMS

CRN# 48366	This is a hybrid course - part of your work will be on campus and the remainder of your work will be done online.
2.50 Lecture Hours, 1.50 Lab Hours, 3.00 Units Letter Grade or Pass/No Pass Option	Fall 2017 Aug 21 - Dec 16 Thursdays, 6:00 pm - 8:20 pm - in K103 (optional) Virtual Online Classroom Access: https://cccconfer.zoom.us/j/325467740
Adjunct Instructor - David Taniguchi Email: dtaniguc@sdccd.edu Office hours: by appointment via Zoom teleconference (https://cccconfer.zoom.us/j/325467740)	Blackboard: http://sdccd.blackboard.com under the course title: "FALL 2017 - WEBD169 (48366 - Z)" Login = student ID Password = your birth date "mmddyyyy" format OR your password from last semester.

COURSE INFORMATION

Intermediate level course

To succeed in this class, you need to know

- Beginning level HTML
- How to zip a folder
- How to upload a file via FTP
- How to create a simple web site

If you do not have these skills, you should add either WEBD 162 (HTML and CSS) or WEBD 165 (Dreamweaver). Please email me if you have questions about your skill level or need help changing courses.

Course Description

WEBD 169 Website Development Using Open Source Content Management Systems This course is a hands-on study of website development using open source Content Management Systems (CMS). Emphasis is placed on creating, customizing, securing and maintaining the content, data and design of the Website using Content Management Systems. Open source CMS tools such as WordPress, Joomla, and Drupal are used. This course is intended for students studying web design and professionals updating their skills. Associate Degree Credit & transfer to CSU.

[NOTE: This semester, we will focus on WordPress in detail but you have the option of using Joomla or Drupal for your final project and receive extra credit.]

Requisites

Advisory:

CBTE 101 and CBTE 114 and CBTE 161, and MULT 101 and MULT 127 and WEBD 162 or WEBD 165, each with a grade of "C" or better, or equivalent.

NOTE: an **Advisory** will not prevent you from enrolling in this course. It advises you of the skills and knowledge you need to have to be successful in this course. Email your professor if you have questions on this topic.

Limitation on Enrollment

This course is not open to students with previous credit for CBTE 169.

Course Learning Outcomes

Students will be able to communicate with the hosting server using file transfer protocol to upload and download files.

Students will be able to interpret web statistics and use them to improve website performance

Students will be able to communicate to the client the appropriate hosting package for the needs of the CMS.

Student Learning Objectives

Upon successful completion of the course the student will be able to:

1. Choose a hosting service and a domain name appropriate to the goals for the website.

2. Use appropriate tools and functions to control and manage hosting services.
3. Create folders and manage files and folders on the hosting server.
4. Use file transfer protocol to upload and download files.
5. Set up and manage structured query language (SQL) databases.
6. Interpret web statistics and use them to improve website performance.
7. Install, configure and manage blogs and content management systems (CMS).
8. Select and embed appropriate widgets onto a webpage.

Outline of Topics

The following topics are included in the framework of the course but are not intended as limits on content. The order of presentation and relative emphasis will vary.

- I. Acquiring hosting services
- II. Acquiring domain name
- III. Controlling and managing hosting services
 - A. Functions of a hosting server
 - B. Functions of the control panel
 - C. Managing domain and sub-domain names
 - D. Managing server extensions and mime types
 - E. Managing hosting server resources
 - F. Setting up and managing passwords
 - G. Setting up and managing password protected pages
- IV. Uploading and managing files
 - A. Creating and managing folders
 - B. Using file transfer protocol (FTP) to upload files to and download files from the hosting server
- V. Setting up and managing SQL databases on the server side
- VI. Using web statistics to improve website performance
- VII. Setting up and managing mail and listservs
- VIII. Installing, configuring and managing open source blogs such as Blogger and Wordpress
 - A. Adding and managing widgets/gadgets
 - B. Configuring blog
 - C. Setting permissions
 - D. Applying templates and controlling the blog design using Cascading Style Sheets (CSS) and Extensible Hybertext Markup Language (XHTML)
- IX. Installing, configuring and managing Content Management System (CMS) such as Joomla or Drupal
 - A. Adding and managing widgets/gadgets
 - B. Configuring blog
 - C. Setting permissions
 - D. Applying templates and controlling the design using Cascading Style Sheets (CSS) and Extensible Hybertext Markup Language (XHTML)
- X. Embedding free or open source tools and widgets onto a webpage
 - A. Maps
 - B. Calendars
 - C. Image galleries
 - D. Other tools and widget

POLICIES

Attendance Requirements

It is your responsibility to drop and withdraw from this course. If you find you cannot complete this course, you will need to drop it in order to avoid getting an F. I will not drop or withdraw you if it appears to me that you have been active in the course. **To avoid being dropped, you need to work in the course at least once a week.** I do not sign late drop forms. Following is the stated District policy:

- It is the student's responsibility to drop all classes in which he/she is no longer attending.
- It is the instructor's discretion to withdraw a student after the add/drop deadline due to excessive absences.
- Students who remain enrolled in a class beyond the published withdrawal deadline, as stated in the class schedule, will receive an evaluative letter grade in this class.
- Attendance: The final grade in this class will be affected by active participation, including attendance, as outlined in the **Assignments and Grading Scale** section of this syllabus, which lists the point value awarded for each week's in-class participation.

Statement of Retention

You must attend at least one course meeting activity prior to *Sep 01*. This will demonstrate that you intend to complete the coursework. If you do not attend the course regularly prior to this date, you will be **dropped** from the course for non-attendance and your seat will be opened up to allow someone on the waiting list to add the course before the deadline.

Students, please discuss your plans to withdraw from class with me. There may be other options for you that may allow you to continue in class.

Important Dates

Session starts	Aug 21
Deadline to receive, process, and pay for add codes and to drop classes with no "W" recorded	Sep 01
Refund deadline - enrollment fees and/or non-resident tuition	Sep 01
Holiday - Labor Day (no classes)	Sep 04
Last day to file a petition for Pass/No Pass grade option	Sep 22
Withdrawal deadline - No drops accepted after this date; will receive a "W"	Oct 27
Holiday - Veterans Day (no classes)	Nov 10
Thanksgiving Break - no classes Nov 20 - Nov 25	Nov 20 - Nov 25
Last day to submit work; all work due before midnight! (11:59 PM)	Dec 15
End of Fall Semester	Dec 16
Grades available on e-Grades	Jan 08, 2018

Class Behavior and Student Code of Conduct

- Students are expected to adhere to the Student Code of Conduct at all times. Students who violate the Student Code of Conduct may be removed from class by the faculty for the class meeting in which the behavior occurred, and the next class meeting.
- Acceptance of make-up work during the removal. The instructor reserves the right to remove attendance and participation points for the incident. However, extra credit points may be used to make-up lost work.
- Incidents involving removal of a student from class will be reported to the college disciplinary officer for follow up.
- The Student Code of Conduct can be found in Board of Trustees Policy, BP 3100, Student Rights, Responsibilities and Administrative Due Process posted on the District website at: <http://www.sdccd.edu/public/district/policies/index.shtml>

Cheating and plagiarism: Students are expected to be honest and ethical at all times in the pursuit of academic goals. Students who are found to be in violation of Administrative Procedure 3100.3 Honest Academic Conduct, will receive a grade of zero on the assignment, quiz, or exam in question and may be referred for disciplinary action in accordance with Administrative Procedure 3100.2, Student Disciplinary Procedures.

- Promote a courteous learning atmosphere by exhibiting mutual respect and consideration of the feelings, ideas, and contributions of others, both online and on campus.
- Demonstrate respect for your work, as well as the work of others, by recognizing and acknowledging strengths and improvements.
- Demonstrate respect for tools, equipment and supplies on campus.
- Practice consideration for others by maintaining a clean and orderly learning environment when on campus.
- Recognize everyone's opportunity to contribute information in a relevant and meaningful manner by not monopolizing discussions, interrupting, illogical or inappropriate questions or comments.
- This class will be conducted in accordance with the college student code of conduct and basic standards of academic dishonesty.

Disabled Students Programs and Services (DSPS)

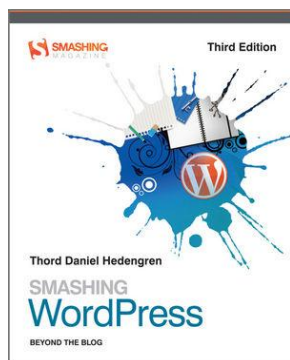
Students with disabilities who may need academic accommodations should discuss options with the Disabled Students Program and Services (DSPS) immediately.

Call or visit Disabled Students Program and Services (DSPS) located on the San Diego Mesa College campus. Contact information is listed on the DSPS webpage: <http://www.sdmesa.edu/dsp/>

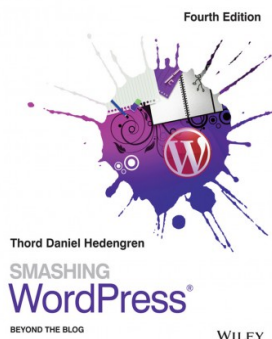
Textbook, Software and Web Hosting

Course Textbook

NOTE: The TextBook is not required for this course but will be a good reference for further study.



Textbook (optional): **Smashing WordPress: Beyond the Blog (3rd Edition)**
Publisher: John Wiley and Sons
ISBN-13: 978-1-119-94271-9
by Thord Daniel Hedengren



Textbook (optional): **Smashing WordPress: Beyond the Blog (4th Edition)**
Publisher: O'Reilly
ISBN-13: 978-1-118-60075-7
by Thord Daniel Hedengren

Buy your textbook anywhere that meets your needs; Check the book name and ISBN numbers on the sites below carefully as publishers often change their links as new books are added to their stock; since the prices change periodically, carefully check the price online.

- [Mesa Online bookstore](#) or purchase it at the Mesa bookstore
- [Amazon](#)

Software

Virtual Web Server Software:

XAMPP (required for Windows):

XAMPP is an open source web server that can run on your desktop or laptop. It can run on Windows, Linux and Mac operating systems. We will discuss the installation process in class. We will use XAMPP for our development of our website and the finished site can be published to your web hosting server for public view.

You can download a copy at:

<https://www.apachefriends.org/index.html>

MAMP (required for Mac):

MAMP installs a local server environment in a matter of seconds on your Mac OS X computer, be it MacBook or iMac. Like similar packages from the Windows- and Linux-world, MAMP comes free of charge, and is easily installed.

You can download a copy at:

<https://www.mamp.info/en/>

Text Editor Software:

You can use "notepad" (WIN) or "TextEdit" (MAC) to edit your code but an HTML editor will make coding much easier. You can **purchase your software** anywhere; here are a couple of places you can consider. (Prices and software packages subject to change. Follow the links to confirm the current prices and packaged software configurations.)

Dreamweaver CC PC or Mac (recommended):

(If you do not have Dreamweaver CC, go to the Learning Resource Center, fourth floor at Mesa College.) This classroom computers will use Dreamweaver CC to be in sync with the software throughout the Mesa College Campus.

NOTE: There are minor differences between the PC and the Mac version.

[FREE TEXT EDITORS]

Brackets (recommended):

Brackets is an open-source editor written in HTML, CSS, and JavaScript with a primary focus on Web Development. It was created by Adobe Systems, licensed under the MIT License, and is currently maintained on GitHub. Brackets is available for cross-platform download on Mac, Windows, and Linux.

<http://brackets.io/>

Aptana

Aptana Studio is an open source integrated development environment (IDE) for building web applications. Based on Eclipse, it supports JavaScript, HTML, DOM and CSS with code-completion, outlining, JavaScript debugging, error and warning notifications and integrated documentation. Aptana Studio is available as a standalone on Windows, Mac OS X and Linux, or as a plugin for Eclipse.

<http://www.apтана.com/products/studio3/download>

Komodo Edit 7 (for PC, Mac or Linux) :

Komodo Edit is a free text editor for dynamic programming languages. Open Komodo uses the Mozilla and Scintilla code base to provide its features, including support for many popular languages (including Python, Perl, PHP, Ruby, Tcl, SQL, Smarty, CSS, HTML, and XML), across all common operating systems (Linux, OS X, and Windows). You can access the FREE download at:

<http://www.activestate.com/komodo-edit>

The Foundation for California Community Colleges

The Foundation for the California Community Colleges has negotiated a special price for students, for both Mac and PC. Select the software package that needs your educational needs; pricing and software offerings can change at anytime <http://www.foundationccc.org/CollegeBuys.aspx>.

You can buy either Dreamweaver alone or one of the bundles. The Foundation's software discount site features software from Adobe, Microsoft and more!

Mesa College Bookstore <http://www.bookstore.sdccd.edu> has a variety of software. Call the bookstore, visit their website, or stop by to see their current selection.

Make sure that any software you purchase will work with your computer and operating system. Shop around for the service and price that best matches your needs. Links and pricing may change. If you notice a change before I do, please let me know.

Web Hosting (required)

You need a web hosting account to complete course assignments. The hosting server should be linux-based with PHP and MySQL. The "paid" versions are much more stable. If you use the "free" version, be sure to access it often to avoid losing your coursework. Here are a few options:

- Host Monster (www.hostmonster.com)
- Lunar Pages (www.lunarpages.com)
- BYET Host (www.byethost.com) [FREE]
- 000webhosting (<http://www.000webhost.com/>) [FREE but buggy]
- Zymic Host (<http://www.zymic.com/>) [FREE but very buggy]

Blackboard Learn

We will be using "Blackboard Learn" to share course materials and to communicate outside of the classroom.

Blackboard: <http://sdccd.blackboard.com> under the course title:
"FALL 2017 - WEBD169 (48366 - Z)"

Login = student ID

Password = your birth date "mmddyyyy" format OR your password from last semester.

Blackboard Hardware and Software Requirements

- Link to SDCCD Online's [Suggested Hardware and Software requirements](#) as well as other useful links
- Acrobat Reader ([click here for a free download](#))
- QuickTime Player ([click here to download](#))

Students who do not have access to the equipment, software, and services necessary to take this course at home may use the resources at Mesa College. Computers are available for use in the LRC. Local public libraries may also have these resources available. [Map](#) of the Mesa College campus

Blackboard Orientation Material and Help Desk

You are expected to know how to use the Blackboard system.

- Some orientation material can be found in our Blackboard course after logging in.
- For additional training material, login instructions, student orientations, and support information please visit <http://www.sdccdonline.net/students/training/>. (**note: this course uses Blackboard "Learn"**)

Help Desk

Call the Help Desk for 24/7 technical support via toll-free phone **866-271-8794**

- To get technical support using your online course.
- If you are having trouble navigating and finding the assignments, discussions, etc.
- To get help zipping folders and uploading them to the assignment dropbox.

Internet Access

You will also need to have an ISP (Internet Service Provider) in order to access the Blackboard system. If you do not have ISP access from home, you can use computers on campus or a local library to access the Blackboard system.

NOTE: Students have had problems accessing their course web site and their **system locking up when they use AOL**—if possible, avoid AOL.

Course Work and Evaluation

1. Print out this syllabus and read it.
2. You may order your textbook for this course online or buy it in the Mesa College Bookstore. For complete ordering directions, read the section in this syllabus on textbook and ordering information.
3. Within the first couple weeks of this course, study the **Blackboard Training - Student Orientation tutorials**, which show you how to use the Blackboard tools so that you can successfully access course information outside of our scheduled class time.
4. To **access all the work for each week**, from the **homepage**, click on the **Lessons** icon. Course material for each week will be uploaded for access outside of the classroom
5. Please allow a **minimum of 72 hours** for assignments and tests to be corrected, a response to be sent to you, and your grade to be entered into the grade log.
6. Any changes to this syllabus will be posted.
7. Be sure to check both your E-mail and the Discussion Board frequently.
8. Incomplete Work:
 - Except as discussed below, no work for this class will be accepted after 11:59pm on the last day of class.
 - Students who remain enrolled in this class beyond the published withdrawal deadline, as stated in the class schedule, will receive an evaluative letter grade (A, B, C, D, or F) in the class.
 - A temporary grade of Incomplete ("I") may be assigned in very rare cases. Specifically, to be eligible for a grade of "I" a student must:
 1. request an Incomplete grade only after the published withdrawal deadline for the course. (Before that deadline the student should withdraw from the class with a "W.")
 2. have achieved at least a "C" average for all work and tests due before the withdrawal deadline. (Missing work and tests that were due before the withdrawal deadline will be counted as "F" when determining this average.)
 3. provide written documentation by a police report or a statement from a medical doctor on official stationery to verify one or more of the following:
 1. a serious disaster, such as a major fire, flood, or earthquake.
 2. a death in the student's immediate family.
 3. a very serious medical issue with respect to the student.
 - If a grade of "I" is assigned, it must be cleared within one year or less. If the "I" is not cleared within the allowed time, it will change to the grade that would have been assigned at the normal end-date of the class—based only upon the work that had actually been submitted by the end date of the course.
 - A grade of "I" should be viewed primarily as a humanitarian procedure that provides an opportunity for a good student to complete all the course requirements and to achieve the same grade that would have been assigned had a tragedy not occurred.
 - A grade of "I" is not appropriate if used merely to provide additional time for a student to make up usual coursework that is overdue, incomplete, or unsatisfactory.

ASSIGNMENTS AND GRADING SCALE

Class attendance and participation will be part of your grade.

(10pts x 15 weeks) Attendance/Discussion points awarded for students that participate by the end of the week.

(10pts for 1st week, 20pts x 14 weeks) Online Quiz.

(10pts for 1st week, 25pts x 12 weeks) Lab exercises and homework.

(100pts) Midterm Project

(150pts) Final Project

Up to 100 points extra credit is available

Week	Topics	Activities and Assessments	Pts
	Click on the LESSONS icon in your online course. This link will take you to files uploaded for each week.		
Week 01 - Aug 21			
	Syllabus Review Blackboard Access Intro to WordPress Intro to Web Development (browser side) Weekly Discussion Board Post Weekly Quiz hw: Send a screenshot hw: Find a Web Host for Week03 hw assignment	Attendance/Discussion (10pts) Quiz (10pts) Homework (10pts)	30pts
Week 02 - Aug 28			
	XAMPP Installation Final Project Demonstration and the code behind it Demo Backup/Restore process Intro to Web Development (server side) Weekly Discussion Board Post Weekly Quiz hw:XAMPP (or MAMP) Installation	Attendance/Discussion (10pts) Quiz (20pts) Homework (25pts)	55pts
Week 03 - Sep 04			
	Monday (09/04) is Labor Day Holiday Using FTP File and Folder Naming Convention Web Editors (Dreamweaver / Aptana / Komodo Edit) Review Backup/Restore process Weekly Discussion Board Post Weekly Quiz hw: Upload Files and Folders to Remote Server	Attendance/Discussion (10pts) Quiz (20pts) Homework (25pts)	55pts
Week 04 - Sep 11			
	Connect to your Host Account WordPress Installation on XAMPP Web Host CPanel Finding FTP Account Info Finding Database Access Info Weekly Discussion Board Post Weekly Quiz hw: create ftp account and database on Web Host. Submit FTP and Database info to Blackboard.	Attendance/Discussion (10pts) Quiz (20pts) Homework (25pts)	55pts
Week 05 - Sep 18			
	WordPress Installation on Web Host (remote server) Tour of basic WordPress features Review Backup/Restore Process Weekly Discussion Board Post Weekly Quiz	Attendance/Discussion (10pts) Quiz (20pts) Homework (25pts)	55pts

	hw: Install WordPress on Web Host and submit remote URL to Blackboard		
Week 06 - Sep 25			
	WordPress Administration Publishing a Page or Post Using Widgets Weekly Discussion Board Post Weekly Quiz hw: Post a blog and a widget on your host account	Attendance/Discussion (10pts) Quiz (20pts) Homework (25pts)	55pts
Week 07 - Oct 02			
	Midterm Project Due Friday Oct 13th Ways to install 3rd party themes and plugins Weekly Discussion Board Post Weekly Quiz hw: Work on Midterm Project DUE NEXT WEEK	Attendance/Discussion (10pts) Quiz (20pts) Midterm Project (100pts)	130pts
Week 08 - Oct 09			
	PHP Primer (Basic syntax, comments, includes) WordPress File/folder Structure Weekly Discussion Board Post Weekly Quiz hw: Find themes and plugins	Attendance/Discussion (10pts) Quiz (20pts) Homework (25pts)	55pts
Week 09 - Oct 16			
	Using Child Themes and Widget Areas Review of Backup and Restore Weekly Discussion Board Post Weekly Quiz hw: Create a child theme	Attendance/Discussion (10pts) Quiz (20pts) Homework (25pts)	55pts
Week 10 - Oct 23			
	HTML to Custom Theme - part 1/4 Converting static HTML into PHP PHP and WordPress Functions Weekly Discussion Board Post Weekly Quiz hw: HTML converted to PHP	Attendance/Discussion (10pts) Quiz (20pts) Homework (25pts)	55pts
Week 11 - Oct 30			
	HTML to Custom Theme - part 2/4 Continue converting the static HTML into a custom THEME Using WordPress functions as Includes Weekly Discussion Board Post Weekly Quiz hw: Include Headers, Footers and Sidebars	Attendance/Discussion (10pts) Quiz (20pts) Homework (25pts)	55pts
Week 12 - Nov 06			
	Friday (11/10) is Veterans Day Holiday HTML to Custom Theme - part 3/4 Continue converting the static HTML into a custom THEME Add WordPress functions for Dynamic Content Weekly Discussion Board Post Weekly Quiz hw: Replace "static content" with WordPress Pages and Post content.	Attendance/Discussion (10pts) Quiz (20pts) Homework (25pts)	55pts
Week 13 - Nov 13			
	Basic Plugin	Attendance/Discussion	55pts

	Weekly Discussion Board Post Weekly Quiz hw: Basic Plugin Assignment submitted to Blackboard	(10pts) Quiz (20pts) Homework (25pts)	
Thanksgiving Break - Nov 20-Nov 25			
	No Class This Week		
Week 14 - Nov 27			
	HTML to Custom Theme - part 4/4 Widgets and Shortcodes Weekly Discussion Board Post Weekly Quiz hw: Work on Final Project hw: Submit [signed] shortcode (optional)	Attendance/Discussion (10pts) Quiz (20pts) Homework (25pts)	55pts
Week 15 - Dec 04			
	Future of Web Development and Essential Plugins Weekly Discussion Board Post	Attendance/Discussion (10pts) Quiz (20pts) Final Project (150pts)	180pts
Week 16 - Dec 11			
	Final Project Presentations (Final must be submitted by 11:59pm, Fri Dec 15th)		
Total Points			
	Course Total Points		1000pts
	Extra Credit (max 100pts)		[100pts]
A = 90-100% B = 80-89% C = 70-79% D= 60-69% F = 0-59% (based on 1000 point total) Your grade will be based on your assignments, quizzes, projects, and discussion postings. The final grade in this class will be affected by active participation in the discussion postings.			

I reserve the right to change the syllabus as the course progresses.