COURSE SYLLABUS

WEBD 166 - Dreamweaver Data Driven Sites

CRN# 09076 3 Units
Lecture/Lab course
Tuesdays, 5:30 pm - 9:30 pm - in K404
Online: http://online.sdcdd.edu
Adjunct Instructor – Inder Singh

Email: isingh@sdcdd.edu
Skype ID: indersingh7

COURSE DESCRIPTION AND OBJECTIVES

Course Description

WEBD 166 Database Driven Website Development in Dreamweaver

This course is a hands-on study of the skills required to build and manage dynamic database driven websites. Students create database-driven websites to support eCommerce and dynamically built pages. This course is designed for all students and professionals who wish to acquire skills in website creation and development. This course may be repeated three times to update skills as technology changes. (FT). Associate Degree Credit & transfer to CSU and/or private colleges and universities.

Limitation on Enrollment: This course is not open to students with previous credit for CBTE 166.

Course Objectives

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

1. Identify the major components and technologies needed to create and maintain a dynamic Web site.
2. Analyze the goals, purpose and mission for the Web site and develop the design documents based on this analysis.
3. Set up a simple Apache server, an SQL database, and an application server.
4. Integrate a simple database into Dreamweaver's HTML pages and control the layout and formatting using templates and CSS.
5. Test the Web site and its database for technical accuracy.
6. Evaluate the effectiveness of the Web site and database in meeting the goals of the site.
7. Publish a dynamic Web site to the Internet.

Advisory

CBTE 101 and CBTE 114 and CBTE 153 and CBTE 161, and CBTE 162 or CBTE 165 or MULT 127, each with a grade of "C" or better, or equivalent.

Course Content

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 with each instructor.

I. Introduction to dynamic database applications using Dreamweaver
   1. Comparing static vs. dynamic websites
   2. Describing a dynamic application
   3. Understanding how dynamic applications are used
   4. Choosing a web hosting server
5. Choosing a server-side scripting language
6. Choosing a database
II. Overview of working with databases
   1. Introduction to databases
   2. Installing a database
   3. Using the database administrative tools
III. Setting up the application server
IV. Creating, editing and deleting in an SQL database
   1. Creating a database
      1. Tables
      2. Records
      3. Reports
   2. Populating a database
   3. Creating a relational database
V. Setting up a dynamic application
VI. Linking the SQL database and server application (i.e. PHP or Coldfusion)
   1. Exploring the database connection from Dreamweaver
   2. Understanding the SQL database authentication protocol.
VII. Inserting data into dynamic pages
   1. Using the Bindings panel
   2. Building a simple RecordSet
   3. Generating a dynamic table
   4. Building an advanced RecordSet
   5. Using repeating regions
   6. Using Server Debug and the Live Data View
   7. Updating the application template
   8. Displaying the total number of records
   9. Limiting the number of records with paging controls
   10. Showing which records are being displayed
   11. Creating conditional regions
   12. Creating a Master-Detail page set
   13. Using Dreamweaver templates and CSS to format the web pages.
VIII. Building data entry forms
   1. Building HTML forms
   2. Inserting database records with a server behavior
   3. Displaying existing data in an HTML form
   4. Updating database records with a server behavior
   5. Creating links to delete database records
   6. Deleting database records with a server behavior
IX. Validating and testing
X. Publishing a dynamic website to the Internet
POLICES

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. I do not sign late drop forms.

Important Dates

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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<tbody>
<tr>
<td>Session starts</td>
<td>01-24-2011</td>
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<tr>
<td>First Day Of Class</td>
<td>01-25-2011</td>
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<tr>
<td>Deadline to receive, process, and pay for add codes and to drop classes with no &quot;W&quot; recorded</td>
<td>02-07-2011</td>
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<tr>
<td>Withdrawal deadline - No drops accepted after this date; will receive a &quot;W&quot;</td>
<td>04-01-2011</td>
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<tr>
<td>Last day to submit work; all work due before midnight! (11:59 PM)</td>
<td>05-19-2011</td>
</tr>
<tr>
<td>Last day of class</td>
<td>05-21-2011</td>
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Attendance Policy

In this lecture/lab course, you must attend class as well as complete assigned work. If you are sick or cannot attend, I would like you to email me if possible. If you miss class, make arrangements with a classmate to keep you informed on lecture topics, exercises, handouts and assignments. This information is an integral part of the instruction and may not be found in the reference texts.

Classroom Behavior and Student Code of Conduct

Students are expected to respect and obey standards of student conduct while in class and on the campus. The student Code of Conduct, disciplinary procedure, and student due process (Policy 310, 3100.1 and 3100.2) can be found in the current college catalog in the section Academic Information and Regulations and at the office of the Dean of Student Affairs. Charges of misconduct and disciplinary sanctions may be composed upon students who violate these standards of conduct or provisions of college regulations. As your instructor, I have the following expectations of your behavior in this class:

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

7. **Cheating and plagiarism:** Students are expected to be honest and ethical at all times in their pursuit of academic goals. Students who are found in violation of district Procedure 3100.3, Honest Academic Conduct, will receive an F grade on the assignment in question and may be referred for disciplinary action in accordance with Procedure 3100.2, Student Disciplinary Procedures.

**Support Services**

Disabled Students Programs & Services (DSPS)
DSPS assists students with disabilities by offering support programs and services. To apply for services and obtain further information, contact the DSPS office on campus. Office - H202, Phone - 388-2780, TTY (For hearing and speech impaired) - 227-1968

Students with disabilities who may need academic accommodations should discuss options with their professors during the first two weeks of class

**Statement of Retention**

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.

**Textbook and Software**

**Student Login ID (required)**

On the first day of class, we will use a temporary login to access the computers. Within the first two weeks of class, the temporary login will be disabled and you will need to use your assigned login ID. Sign up for your login ID at the computer lab in K-401.

temporary login: cbte temporary password: password

**Textbook (required)**

(required) Textbook: *Dreamweaver CS5: The Missing Manual*
ISBN-10: 1449381812
by David Sawyer McFarland
Buy your textbook anywhere that meets your needs; here are three places I know of. 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
- Barnes & Noble
- Amazon

**Software: Dreamweaver CS5 PC or Mac** (If you do not have Dreamweaver CS5, go to the Learning Resource Center, fourth floor, or K404 at Mesa College.) This class will use Dreamweaver CS5 to be in sync with the software at Mesa College.

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

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.)

- **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. [CollegeSoftware.org](http://www.collegesoftware.org)

- **Dreamweaver CS5** (link straight to all Adobe software and bundles for Mac and Win)

**Gradware** [http://www.gradware.com](http://www.gradware.com) Check site for pricing and availability.

**Mesa College Bookstore** [http://www.bookstore.sdccd.edu](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 Account (required)**

You will need a web hosting account to work at home. Here are a couple of options:

- Host Monster ([www.hostmonster.com](http://www.hostmonster.com)) - [recommended]
- Lunar Pages ([www.lunarpages.com](http://www.lunarpages.com))

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

**XAMPP (recommended)**

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.

For more information, visit [http://apachefriends.org](http://apachefriends.org).
External Storage Device (optional)

Many students use the classroom computers and the lab computers. There is no guaranteed storage space to save your work. It is recommended that you purchase a storage device to save your work. I recommend using a USB Flash Drive or an External Hard Drive with a USB connector.

Course Work and Evaluation

1. Review this syllabus.
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. Sign up for a student login ID within the first two weeks of class
4. Purchase a web hosting account for this course within the first two weeks of class.
5. You are responsible for backing up your work. You may need to purchase a flash drive or external drive to save your work.
6. The assignments and quizzes that you will be turning in to be graded are listed in this syllabus. Keep track of your points to monitor your grade status. Check the SDCCD Blackboard (http://online.sdccd.edu) for additional course information and grade status.
7. If any of the assignments or quizzes are missing, you will receive a ZERO for that assignment.
8. Any changes to this syllabus will be posted.
9. Sometimes unforeseen circumstance arises that prevents the student from finishing his/her work for the course. The final decision on whether to grant an incomplete grade will be based on several factors and is entirely up to the instructor. If you are requesting an Incomplete to be given to you for this course, you must contact your instructor before the end of the course.

ASSIGNMENTS AND GRADING SCALE

<table>
<thead>
<tr>
<th>Week</th>
<th>Topics</th>
<th>Activities and Assessment</th>
<th>Pts</th>
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<tbody>
<tr>
<td></td>
<td>Class attendance and participation will be part of your grade. (10pts) Attendance points awarded for students that attend on time. (15pts) Participation points include class discussion and lab exercises. (250pts) Mid-term Exam (400pts) Final Project *Up to 100 points extra credit is available</td>
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<tr>
<td>Week 1</td>
<td>Orientation</td>
<td>Attendance (10pts) Participation (15pts)</td>
<td>25</td>
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<td>Week 2</td>
<td>Web Development Overview and Intro to Dreamweaver CSS</td>
<td>Attendance (10pts) Participation (15pts)</td>
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<td>Week 3</td>
<td>Connecting to the Hosting Server</td>
<td>Attendance (10pts) Participation (15pts)</td>
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<tr>
<td>Week</td>
<td>Topic</td>
<td>Attendance (10pts)</td>
<td>Participation (15pts)</td>
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<td>4</td>
<td>MySQL Setup on the server</td>
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<td>Attendance (10pts)</td>
<td>Participation (15pts)</td>
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<td>5</td>
<td>Database design</td>
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<td>Attendance (10pts)</td>
<td>Participation (15pts)</td>
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<td>6</td>
<td>Adding Data, Modifying Records</td>
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<td>Attendance (10pts)</td>
<td>Participation (15pts)</td>
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<td>7</td>
<td>Updating and Deleting</td>
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<td>Attendance (10pts)</td>
<td>Participation (15pts)</td>
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<td>8</td>
<td>Mid-term Exam</td>
<td>Exam (250pts)</td>
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<td>Select Statement</td>
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<td>Attendance (10pts)</td>
<td>Participation (15pts)</td>
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<td>PHP Syntax, Constants and Variables</td>
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<td>Attendance (10pts)</td>
<td>Participation (15pts)</td>
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<td>PHP Control Logic and Looping</td>
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<td>Participation (10pts)</td>
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<td>Arrays and Associative Arrays</td>
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<td>Participation (10pts)</td>
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<td>HTML Forms, GET, POST and PHP Associative Arrays</td>
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<td>Participation (10pts)</td>
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<td>MySQL from Command Line access</td>
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### Week 16

<table>
<thead>
<tr>
<th>FINAL PROJECT</th>
<th>Final Project (400pts)</th>
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<table>
<thead>
<tr>
<th>Total Points</th>
<th>Total</th>
<th>1000</th>
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<tr>
<td></td>
<td>Extra Credit (maximum 100pts):</td>
<td>[100]</td>
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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 attendance. The professor reserves the right to make changes to the syllabus during the course.