Course Title: Web Application Development	**Instructor: Valerie Green**
	Email : vgreen@smccme.edu
Catalog Number: CNMS 275	**Phone: 207-558-2453**
Credit Hours: 3	**Office Hours: please see the "Start**
Total Contact Hours: 45	**Here" page in Blackboard**

Course Description

This second level course introduces students to web application servers and their integration with databases. An introduction into relational databases will be explored as well as an explanation of basic SQL language and functions. An overview of server applications such as ASP, PHP and Perl will be presented. Students will cover a variety of topics including connecting to data sources, retrieving and inserting data, designing dynamic tables from a data source, password & security issues, database search forms and e-commerce applications. Students are expected to have a thorough knowledge of HTML and experience authoring in an HTML editor.

Course Objectives:

As a result of this course the student will be able to:

- create HTML forms to take and manipulate user input

- design, organize, and create simple relational databases with multiple tables

- understand and write basic SQL statements to fetch, insert, and delete items from a database

- use PHPMyAdmin to administer a database

- use PHP language constructs:
    - variables

    - conditionals, including Boolean logic

    - loops

    - arrays

    - strings and string functions

- design and implement programming logic in response to real-world scenarios

Text & Supporting Materials:

Required:

Title: <u>Head First PHP & MySQL</u>
Authors: Lynn Beighley & Michael Morrison
Publisher: O'Reilly
ISBN: 978-0-596-00630-3
(This title is also available from O'Reilly as an e-book or a e-book/print combo)

Alternate textbook (some people really hate the O'Reilly book above, as it is "chatty")

Title: <u>Murach's PHP and MySQL</u>

Authors: Joel Murach & Ray Harris
Publisher: Murach
ISBN: 978-1-890774-79-0

Please bring headphones to class, or plan on checking out a pair from the Work Study Office across the hall.

Recommended:

developphp.com, codeacademy.com for reference and tutorials (bookmark these)

Course Requirements

Mid-term	20%
Final Exam	20%
Projects	50%
Quizzes	10%

Academic Dishonesty

Plagiarism and cheating are serious offenses and may be punished by failure on exam, paper or project; failure in course; and or expulsion from the University. Plagiarism will be reported as a violation of the Student Code of Conduct. For more information refer to the "Academic Dishonesty" policy in the University Undergraduate Catalog.

Attendance & Missed/Late Work Policy

You are required, as stated in the college handbook, to attend all classes. A portion of your grade is determined by your attendance and active participation. Points will be deducted for absences. There are no "excused" absences. You have one "free" absence to use for the semester. Two consecutive unexcused absences will result in a reporting of your "Last Date of Attendance" which will show up as an AF (automatic failure). Three total absences will result in an F (failure) for the course. For online students, your completion of the weekly task or project will show your online presence.

Student Evaluation and Grading

All project work will be assessed based on the student's achievement of stated objectives. Each assignment handout includes a detailed rubric. Please ask questions if anything is not perfectly clear.

ADA Syllabus Statement

Southern Maine Community College does not discriminate in its education and employment programs on the basis of age, race, color, gender, sexual orientation, national origin, disability, or religion. The College complies with Title VI of the Civil Rights Act of 1964, Title IX Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act (ADA) of 1990.

Inquiries regarding Title VI and Title IX may be made to the Affirmative Action Officer. Telephone (207) 741-5798

If you have a disabling condition and wish to request accommodations in order to have

reasonable access to programs and services offered by SMCC, you must register with the ADA Services Coordinator: Telephone (207) 741-5629, TTY (207) 741-5667