Course Description: As the technologies of the Web and ecommerce are themselves rapidly changing and evolving; many skills are faddish; few are successful. The course is intended for persons in the MIS specialist program who are interested in being employed in web development. The course focus is web development and programming for e-business. The first two thirds of the course will feature a survey of developmental and programming techniques for web sites with emphasis on Java Script. The last part of the course will focus on Visual Basic Script and Active Server Pages.Net (the latest version of Microsoft’s development software). The course will also include study of the important technologies such as Flash, Web 2.0, Microsoft Silverlight, web servers and web services.

Required Text:

Deitel et al., Internet and World Wide Web: How to Program, 5th ed.

Publisher: Pearson Education

** Do not purchase old editions or international editions as they do not have the updated content of this edition. Also be careful when offered bargain prices over the Internet if the price is way off the market you will probably regret it.

Due to the experimental nature of the course there are few books that cover the course topic, thus it is necessary for you to purchase the required book.

The Deitel book is focused on web programming for web development and represents an advanced programming approach. As it is a workbook nearly all of the class time and assignments will come out of the Deitel text so it is essential that you have the book no later than the second week. **A copy will NOT be placed on reserve; each person must purchase their own copy.**
Tentative Class Organization and Schedule:

<table>
<thead>
<tr>
<th>Part I: Basics of Web Programming:</th>
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<tr>
<td>Weeks 1-4</td>
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<tr>
<td>Week 4, Review and Quiz on Basics</td>
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<tr>
<th>Part II: Web Programming with JavaScript, DHTML &amp; XML</th>
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<tr>
<td>Weeks 4 – 8</td>
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<tr>
<td>Week 8, Review and Quiz on material since last quiz</td>
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<tr>
<td>Week 9 Spring Break</td>
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<tr>
<th>Part III: Project Design and Programming with facilities like Microsoft ASP.Net and Google Android</th>
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<tr>
<td>Weeks 10 – 16 Background materials</td>
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<tr>
<td>Week 14 Start e-commerce web site or mobile ecommerce project due Week 16</td>
</tr>
<tr>
<td>Finals week, Quiz on material since last quiz</td>
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Programming Assignments: The work involved in the programming assignments is a major part of the class and you need to be well organized to do the assignments on time and get full credit. Most persons lose credit on assignments due to lack of organization. **First**, you need to make sure that you have the printout of the assignment from the textbook or D2L, with changes discussed in class or on the web. **Second**, before you start programming, read and outline the assignment making sure that you have understood all of the terms and concepts in the problem (if you don’t understand them, look in the text, or ask in class or look in the sources on the Internet to find a term.) **Third**, listen and take notes during the class lecture that covers the hard parts of each assignment. **Fourth**, as soon as possible, start working on the assignment on your computer before the lab period. **Fifth**, in the lab bring in your partial solution on a flash drive. Use it to do the major part of the assignment. DO NOT plan on having enough time in the lab part of the class period to finish the assignment. Use the lab time to ask questions, not to be doing low level time wasting things like typing. **Sixth**, back up your work every fifteen minutes or more often. **Seventh**, when you are finished, carefully follow the class procedures to email in your work. Again persons commonly lose credit because their email does not arrive in time or is not complete or is unreadable. Too often people forget to say who they are and what assignment they are doing.

Lectures: Lectures follow the lecture outlines on the PowerPoint handouts and are often more related to the programming problems than to the material in the text. So you are expected to read the assigned text material for that class as general background (and as preparation for the short quizzes) while following along with the lecture outline. You are often told which items to emphasize for tests especially during review sessions. Also the lecture generally covers and explains the assigned computer problem. Finally the lecture covers likely test questions for that material. You have to be present to get the points for the short quizzes.
**Exams and Quizzes:** Exams are a mixture of multiple choice, true-false and short problems. There are approximately 25-30 questions in each exam. There are three exams (quizzes) and the third test will be considered as the final examination. The quizzes are NOT comprehensive. There will be no make-up quiz for whatever reason you miss a quiz. There is no curving of grades. Short quizzes cover the material assigned for the day and are given at the beginning of the class. Each short quiz consists of about five easy questions mainly on terms and definitions from the readings or problems.

**Final Exam,** Test 3 will be held on May 10th, Tuesday, from 2:45–4:45 pm.

**Note Taking:** The primary method of preparing for the detailed programming part of tests (there is no programming during the test but you need to read code and answer) is to review your notes, your copies of the programming assignments and study the background terms in the text. So good note taking is unusually important in the class. Even though the tests are objective they emphasize the discriminations made in class. As an aid in studying and note taking you are furnished on the web site with copies of the lecture notes for most lectures. It is important that you have a copy of the notes when you read the assigned readings and when you listen to the lectures because the lecture notes tell you what parts of the chapter will be emphasized.

**Due Dates:** Lab and programming assignments are due on the assigned date. The submission procedure will be announced in the class. Any late work will be given a maximum grade of two-thirds of the normal credit. Reading assignments are due by the beginning of the lecture. You must be prepared and you must answer questions and you must participate in the assigned material.

Unless otherwise specified, all assignments are due on the date specified. Late homework can only get a maximum of 2/3 of the normal credit so a late ten point problem can at best be given a seven. Late homework is unfortunate and a drag on your overall grade as it is much easier to get good grades on homework than on quizzes or tests. Most persons bring up their grades with their homework. It is not unusual to have say a 75 average on tests and quizzes brought up to a final grade of 80 by homework. On time homework will raise your grade.

Your homework will be graded by me and results posted to the D2L web site. If you submit late, it will be graded late. That is, it will **not** be graded until the grading of the following assignment’s due date.

**Active Server Pages Project:** The end point of the class is a small project. The goal of the project is to develop your own web site and to utilize the technologies learned in this class. You should either work individually or groups of no more than two people might be organized by you also at your choice. As part of this assignment you should plan on installing software on your own computer or team mate’s computer. The software is available for limited download. The quality of the web site should be such that you are proud to put it on your resume and are prepared to discuss it during job interviews.
Course grading (tentative, subject to change):

<table>
<thead>
<tr>
<th></th>
<th>12 @ 10 points</th>
<th>120</th>
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<tbody>
<tr>
<td>Assignments</td>
<td></td>
<td></td>
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<tr>
<td>Exams</td>
<td>3 @ 100 points</td>
<td>300</td>
</tr>
<tr>
<td>Short quizzes</td>
<td>10 @ 5 points</td>
<td>50</td>
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<tr>
<td>Project</td>
<td></td>
<td>50</td>
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<tr>
<td>Participation</td>
<td></td>
<td>10</td>
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<tr>
<td>Estimated point total (may vary) Grad students, if any, must complete a comprehensive project and are graded separately from undergrads.</td>
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<td>530</td>
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Final course grades will be assigned by your score’s percent of total points as follows:

<table>
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<tr>
<th>Percentage Range</th>
<th>Grade</th>
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<tbody>
<tr>
<td>90 – 100 %</td>
<td>A</td>
</tr>
<tr>
<td>80 – 89.9 %</td>
<td>B</td>
</tr>
<tr>
<td>70 – 79.9 %</td>
<td>C</td>
</tr>
<tr>
<td>60 – 69.9 %</td>
<td>D</td>
</tr>
<tr>
<td>Less than 60 %</td>
<td>F</td>
</tr>
</tbody>
</table>

This scale is firm! There is no curving in the class, your scores are put into the spreadsheet and the computer calculates your score. Your percent score must be at or above the cutoffs. You determine your own score.

**Course Policies**

**Attendance:** Attendance is mandatory. You are expected to be present for every class and lab. If you are late for class or lab, you will be considered absent for that period. **If you miss more than three classes/labs, you will receive an F for the course. If you miss three classes, you will receive a D for the course.** If you do need to miss a class or lab for an excusable reason, please inform me in advance, preferably by email. Roll will be taken in each class and lab to check attendance. So you must sign in to get credit for your attendance.

**Class Participation:** You are expected to read the assigned material before each class and lab; to be prepared to answer any questions on the meaning of the readings and to be able to discuss the readings in class. In the lab part of the period you should have downloaded the assignment (if not from the book) started the routine work, be prepared to work on the technically difficult issues and have a pen drive, web site printout and/or class handouts for the problem assigned for that lab period. You should **NOT** expect to complete all of the assignment in the class labs. You should be prepared to work each week outside of class on the assigned problem. Many times you will have to finish and email in your work on your own.
Individual Work: This is not a teamwork class except for the last assignment. Experience has shown that an individual’s programming tests always suffer from the effects of working in a group. If I see you working in groups I will question you and strongly suggest that you work individually and separately. The first time I get assignments that show traces of group work, no questions will be asked and credit for the assignment will be divided by the number of people in the group. The second time the credit for the assignment will be zero, as this work must be considered copied. The only exception is the project at the end of the class. If you choose to work in teams for the project the project should show evidence of both individuals completing the assignment. For example if you choose to do an on-line resume there should be two resumes in the project.
You are expected to do your own work. Do not allow others to copy your work in a test or in the lab, as you will be considered to be cheating. Cheating will result in an “F” for the assigned work, an “F” grade in the class and disciplinary action at the University level.

Communication: You are responsible for frequently checking the class web site on D2L and for any announcements on the class web site.

Academic Dishonesty Policy
Any student, who is caught cheating during an examination or assists another student in cheating during an examination, will automatically fail the course. The case will be forwarded to the appropriate individuals for university action. Cheating includes, but is not limited to, crib sheets (unless approved by instructor), copying answers from another student's exam, use of recording devices, and gaining unauthorized access to exams or answers.

Similarly, any practices of academic dishonesty with regards to the case analyses and group projects will also be dealt with strongly. No submissions that have been directly copied from texts/journal articles, internet web sites (i.e. plagiarism), will be considered academic dishonestly. Consequences will range from failing the assignment to failing the course and/or university disciplinary action.

Changes in the syllabus
The class requirements, allocation of points, class schedule, or other aspects of the syllabus are subject to change as dictated by the needs of the specific class and any unforeseen circumstances that may arise.
IMPORTANT DATES *
Semester Class Begins…………………………………………………………01/19/2016
Last day to add a class (without instructor permission):…………………01/24/2016
Last day to withdraw completely and receive a 100% refund: …………01/31/2016
Last day to drop a course using SalukiNet: ………………………………04/03/2016
Last day to file diploma application (for name to appear in Commencement program): ………………………………………………………….02/12/2016
Final examinations: ………………………………………………………………05/09-05/13/2016
Note: For outreach, internet, and short course drop/add dates, visit Registrar’s Academic webpage http://registrar.siu.edu/

SPRING SEMESTER HOLIDAYS
Martin Luther King, Jr.’s Birthday Holiday 01/18/2016
Spring Break 03/12—03/20/2016

WITHDRAWAL POLICY ~ Undergraduate only
Students who officially register for a session may not withdraw merely by the stopping of attendance. An official withdrawal form needs to be initiated by the student and processed by the University. For the proper procedures to follow when dropping courses and when withdrawing from the University, please visit http://registrar.siu.edu/catalog/undergraduatecatalog.html

INCOMPLETE POLICY ~ Undergraduate only
An INC is assigned when, for reasons beyond their control, students engaged in passing work are unable to complete all class assignments. An INC must be changed to a completed grade within one semester following the term in which the course was taken, or graduation, whichever occurs first. Should the student fail to complete the course within the time period designated, that is, by no later than the end of the semester following the term in which the course was taken, or graduation, whichever occurs first, the incomplete will be converted to a grade of F and the grade will be computed in the student's grade point average. For more information please visit: http://registrar.siu.edu/grades/incomplete.html

REPEAT POLICY
An undergraduate student may, for the purpose of raising a grade, enroll in a course for credit no more than two times (two total enrollments) unless otherwise noted in the course description. For students receiving a letter grade of A,B,C,D, or F, the course repetition must occur at Southern Illinois University Carbondale. Only the most recent (last) grade will be calculated in the overall GPA and count toward hours earned. See full policy at http://registrar.siu.edu/catalog/undergraduatecatalog.html

GRADUATE POLICIES
Graduate policies often vary from Undergraduate policies. To view the applicable policies for graduate students, please visit http://gradschool.siu.edu/about-us/grad-catalog/index.html

DISABILITY POLICY
Disability Support Services provides the required academic and programmatic support services to students with permanent and temporary disabilities. DSS provides centralized coordination and referral services. To utilize DSS services, students must come to the DSS to open cases. The process involves interviews, reviews of student-supplied documentation, and completion of Disability Accommodation Agreements. http://disabilityservices.siu.edu/

PLAGIARISM
Student Conduct Code http://srr.siu.edu/student_conduct_code/

MORRIS LIBRARY HOURS
http://www.lib.siu.edu/about

SAFETY AWARENESS FACTS AND EDUCATION
Title IX makes it clear that violence and harassment based on sex and gender is a Civil Rights offense subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, etc. If you or someone you know has been harassed or assaulted, you can find the appropriate resources here: http://safe.siu.edu

SALUKI CARES
The purpose of Saluki Cares is to develop, facilitate and coordinate a university-wide program of care and support for students in any type of distress—physical, emotional, financial, or personal. By working closely with faculty, staff, students and their families, SIU will continue to display a culture of care and demonstrate to our students and their families that they are an important part of the community. For Information on Saluki Cares: (618) 453-5714, or siucares@siu.edu,
http://salukicares.siu.edu/index.html

EMERGENCY PROCEDURES
Southern Illinois University Carbondale is committed to providing a safe and healthy environment for study and work. We ask that you become familiar with the SIU Emergency Response Plan and Building Emergency Response Team (BERT) programs. Emergency response information is available on posters in buildings on campus, available on BERT’s website at www bert.siu.edu, Department of Safety’s website at www dps.siu.edu (disaster drop down) and the Emergency Response Guideline pamphlet. Instructors will provide guidance and direction to students in the classroom in the event of an emergency affecting your location. It is important that you follow these instructions and stay with your instructor during an evacuation or sheltering emergency.

INCLUSIVE EXCELLENCE
SIU contains people from all walks of life, from many different cultures and subcultures, and representing all strata of society, nationalities, ethnicities, lifestyles, and affiliations. Learning from and working with people who differ is an important part of education as well an essential preparation for any career. For more information please visit: http://www.inclusiveexcellence.siu.edu/

LEARNING AND SUPPORT SERVICES
Help is within reach. Learning support services offers free tutoring on campus and math labs. To find more information please visit the Center for Learning and Support Services website:
Tutoring : http://tutoring.siu.edu/
Math Labs http://math.siu.edu/courses/course-help.php

WRITING CENTER
The Writing Center offers free tutoring services to all SIU students and faculty. To find a Center or Schedule an appointment please visit http://writte.siu.edu/

AFFIRMATIVE ACTION & EQUAL OPPORTUNITY
Our office's main focus is to ensure that the university complies with federal and state equity policies and handles reporting and investigating of discrimination cases. For more information visit: http://diversity.siu.edu/

Additional Resources Available:
SALUKINET: https://salukinet.siu.edu/cp/home/displaylogin
ADVISEMENT: http://advisement.siu.edu/
PROVOST & VICE CHANCELLOR: http://pvcaa.siu.edu/
SIU ONLINE: http://online.siu.edu/