Course Syllabus

COURSE: **CIS 296 MS Web Development**
PREREQUISITE: CIS 195 Internet Programming Essentials
CREDITS: 3
TERM: Spring 2013
INSTRUCTOR: Cindy Roller
OFFICE: Tech Center, Room TC202   HOURS: posted on STInet
PHONE: **wk:** 367-5560   **home:** 332-7036
E-MAIL: cindy.roller@southeasttech.com
SCHOOL: Southeast Technical Institute
                         2320 N Career Ave., Sioux Falls, SD   57107

COURSE DESCRIPTION: Techniques required for developing professional eCommerce web applications such as securing a web site, authenticating users, and configuring and deploying applications will be covered in this course. Students will also learn how to use a variety of data access features including SQL, object data sources and stored procedures. Prerequisites: CIS 236 or CIS 231.

TEXT: Murach's ASP.NET 4 Web Programming with C# 2010, 4th ed by Boehm & Murach
      ISBN #978-1-890774-61-5

ADDITIONAL (OPTIONAL) RESOURCE: Murach's C# 2010 by Joel Murach
      ISBN #978-1-890774-5902

BASIS FOR EVALUATION: _Exams & quizzes (55% of grade)_ - Approximately 3 - 4 exams will be given. Tests may consist of performance-based as well as objective questions such as coding/debugging, multiple choice, true/false, etc. If a minimum of four exams are taken, make-up exams will not be available, but students will be able to throw out their lowest exam score. If one of the four tests is missed, then the missed test will be thrown out. Students could choose not to take the last (of four) exam if they are satisfied with their grade. Quizzes may be given unannounced after material has been assigned, and may not be made up if missed. One or two low quizzes may be thrown out, depending on the number given.

Assignments (40% of grade) – Programming assignments and miscellaneous exercises will be given throughout the semester, usually a minimum of one program per chapter. All assignments will be given a due date. **Failure to turn in an assignment within four days of the due date will result in a 0% for that assignment unless prior arrangements are made with the instructor**. Students may receive partial credit for partial solutions. Since the mission of Southeast Technical Institute is to educate people for employment in technical careers, it's important that students 'Do the Work!'

Attendance/Class Participation & Conduct (5% of grade) - It is expected that students demonstrate responsibility and commitment to learning by submitting all assignments on or before the designated due date, by being in class on time and by attending and actively participating in all scheduled classes and team projects. Students should check their school e-mail at least twice a day for any communication from their instructor(s).

Additional study time outside of class is required. Each individual student's readiness to participate in class activities may be evaluated regularly. Examples: A pre-assignment must be delivered by e-mail

before class; the student has to pass a quiz over the assigned material; student must show the instructor their completed work when they enter the classroom. Lack of preparation may result in loss of activity points and/or the inability to move into a planned group activity.

Students are also expected to act in a professional and courteous manner. Cheating or plagiarism may result in, at the very least, a zero for that work. Severe unethical behavior may result in a failing grade for the course, and possible suspension from school.

GRADING SCALE: 90% - 100%   A   80% - 89%   B   70% - 79%   C

                    60% - 69%   D   59% or lower   F

Student success is important to our faculty, and all faculty are involved in assessing learning. Upon completion of a degree, Southeast graduates will have demonstrated competence in the following areas:

Science and Technology: Technical competence, including knowledge of technology and/or scientific principles as these apply to programs.

Problem Solving & Critical Thinking: The ability to select and use various approaches to solve a wide variety of problems – scientific, mathematical, social and personal.   Graduates will also be able to evaluate information from a variety of perspectives, analyze data, and make appropriate judgments.

Communication: The ability to communicate effectively in several forms – oral, written, nonverbal and interpersonal.   Graduates will also demonstrate knowledge of how to manage and access information.

Professionalism: Strong work ethic, including responsible attendance; skill in teamwork and collaboration, as well as an ability to work with others, respecting diversity; ability to adapt to change; commitment to lifelong learning; adherence to professional standards; and positive self-esteem and integrity.

Instructors and faculty members will act with integrity and strive to engage in equitable verbal and nonverbal behavior with respect to differences arising from age, gender, race, handicapping conditions and religion. If you have special needs as addressed by the American with Disabilities Act and need course materials in alternative formats, notify your instructor immediately. Reasonable efforts will be made to accommodate your special needs.
      Violations of safety to self and others and/or violation of safe operating practices of equipment may result in: the reduction or loss of your daily grade; removal from class; and/or disciplinary action.

COURSE OVERVIEW

COURSE ORGANIZATION: The following schedule is estimate, and subject to change due to class progress, cancellation of class due to weather, etc. It is believed that all topics listed will be covered. Please make note of any changes announced by your instructor.

Tentative
Week

Unit 1

Review	Complex topics from previous course will be identified and reviewed	
Chapter 17	How to Use Object Data Sources	
Exam 1		**5**

Unit 2

Chapter 18	How to Secure a Web Site	
Chapter 19	How to Authenticate and Authorize Users	
Exam 2		

Unit 3

Chapter 20	How to Use eMail, Custom Error Pages, and Back-Button Control	
Chapter 21	How to Use AJAX	
Exam 3		

Unit 4

Chapter 22	How to Configure and Deploy ASP.NET 4 Applications	
Chapter 23	An Introduction to WCF Services	
Appendix B	How to Work with Web Applications Using IIS Under Windows 7 and Windows Vista	
Exam 4		**16**