Computer Programming Department
Business/Public Service Division
GREENVILLE TECHNICAL COLLEGE

COURSE SYLLABUS

Course Title: Active Server Pages

Course Number: CPT 239

Lecture hours per week: 3.0 **Lab/Clinic Hours:** **Semester credit hours:** 3.0

Prerequisite: CPT 186

Catalog Course Description: This course is a study of Active Server Pages (ASP) programming to build, implement, and execute ASP scripts and examines topics related to the syntax of server-side ASP scripting as well as the use of ASP with databases.

Purpose of the Course: To teach the student different approaches for creating server-side scripts using Active Server Pages. The student will learn to successfully build, implement, and execute scripts to create fully-functional Web applications. In addition, the student will learn how to develop scripts and pages in real-world environments that take full advantage of the newest technology.

Required text(s) or other materials:

1. ASP.NET Programming with Visual C# and SQL Server by Don Gosselin; Course Technology; ISBN: 978-1-4239-0324-6
2. Data Files which can be downloaded from the site http://www.cengage.com/coursetechnology . Type the text's ISBN number (without the dashes) in the search box, and when the text is found, click on "Students: Access Free Companion Content."
3. Microsoft Visual Studio.NET 2008/2010 Professional or Visual Web Developer Express will be used for this course to develop ASP.NET forms. It is mandatory that the student have access to Visual Studio.NET 2008/2010 at home or by using the software available in the Business Division Student Lab in the Engineering Technology Building (#103), Room 115, on the Barton Campus.
4. NOTE: Students in traditional classes must access Blackboard for course-related information. Students in hybrid and online classes will access their online content through Blackboard.

COLLEGE-WIDE STUDENT LEARNING OUTCOMES

1. Communication – Students will demonstrate the ability to use active reading and listening skills and to produce effective written and oral communication for varying audiences.
2. Information Technology and Technological Literacy – Students will demonstrate competency in using computer technology within a field of study.

3. Critical Thinking/Reasoning – Students will demonstrate the ability to apply the scientific method, mathematical processes, and research skills to analyze and solve problems/issues by using reflection and reasoning to justify conclusions.
4. Professional and Personal Responsibility – Students will demonstrate the ability to exhibit conduct, attitudes, and etiquette appropriate to the student's community and chosen career. Students will demonstrate the ability to manage time, to use effective interpersonal skills, and to display responsible behavior.
5. Diversity – Students will demonstrate the ability to recognize diversity and to demonstrate respectful conduct and attitudes toward all. Students will demonstrate the ability to explain how global issues impact life, work, and opportunities.

Approved March 26, 2009

COMPUTER PROGRAMMING PROGRAM LEVEL STUDENT LEARNING OUTCOMES

Upon successful completion of the CPT/Programming program, the graduate will be able to:

1. Students will be able to analyze, design, develop, and document solutions that will satisfy the information needs of business users using established design methodologies and standards.
2. Students will be able to design, create, test, and document logical programming solutions to prescribed specifications following established standards and using current development environments and languages for application development and database management.
3. Students will be able to demonstrate the knowledge and ability to install and maintain microcomputer hardware and operating system software.
4. Students will be able to demonstrate the use of a minimum of three business application software packages.
5. Students will be able to demonstrate fundamental team building, project management, and presentation skills by participating in team projects that include team goals and values, a development methodology for documentation and coding, group presentations, and exposure to topics such as diversity, time management, and goal setting.
6. Students will be able to demonstrate the ability to take initiative, assume responsibility, and work under pressure with minimum supervision by successfully completing "hands-on" computer lab assignments.

CPT 239 COURSE OUTCOMES

Students who successfully complete this course will have demonstrated the skills necessary to accomplish the following objectives with a minimum competency of 70 percent.

1. Students will be able to demonstrate the ability to take initiative by completing a lab assignment with minimal supervision.
2. Students will be able to demonstrate the ability to work under pressure, and show responsibility by completing lab assignments.
3. Students will be able to demonstrate the ability to create a basic Web page using ASP.NET controls.
4. Students will be able to demonstrate the ability to create dynamic Web applications using both Standard and Server controls.

5. Students will be able to demonstrate the ability to debug ASP.NET project solutions by identifying and correcting syntax errors, run-time errors, and logic errors.
6. Students will be able to demonstrate the ability to create Web pages that manipulate Strings and String Expressions using C#.
7. Students will be able to demonstrate the ability to maintain state using cookies, hidden fields, and session variables to pass information.
8. Students will be able to demonstrate the ability to access, display, and update information stored in a database using ADO.NET components.

The objectives of the CPT 239 course are intended to meet the CPT/Programming program level student learning numbered 2 and 6 above.

CPT 239 – Main Topics

Tutoring is now available in the Business Division Student Lab located on the Barton Campus in the Engineering Building (#103), Room 113. The hours for tutoring are posted in the lab (ET 113); no appointment is necessary. There are no fees required for this service.

Introduction Assignment Due

Chapter One – Introduction to Web Development

Chapter 1 Assignment Due

Chapter Two – Getting Started with ASP.NET and C#

Chapter 2 Assignment Due

Chapter Three – Using Functions, Methods, and Control Structures

Chapter 3 Assignment Due

***** Test 1 *****

Chapter Four – Introduction to Web Forms and Controls

Chapter 4 Assignment Due

Chapter Five – Manipulating Strings with C#

Chapter 5 Assignment Due

***** Test 2 *****

CPT 239 – Course Specific Requirements

A USB portable storage device such as a flash drive will be needed for coursework storage.

CPT 239 – Evaluation and Grading Information

GRADING POLICY

Exams represent 80 percent of the final grade: 55 percent tests and 25 percent final exam.

NOTE: ALL TESTS AND EXAMS ARE RETAINED BY THE INSTRUCTOR.

Lab/written assignments count 20 percent of the final grade.

1. Programming assignments will be assigned from selected chapters.
2. A one – two page paper on the adoption of ASP.NET 2005/2008 around the world is required. The paper will include information regarding the countries in which ASP.NET is available and the languages Microsoft has translated ASP.NET into. A rubric for assessment of the assignment will be provided.
3. ***The following factors will also be considered in grading programs:***
   a. The program must work correctly and produce the desired results.
   b. The program must be written in the style described in the text or described in class.
   c. Write with compactness in mind.
   d. Documentation should be clear and meaningful.

All assignments (i.e., labs, projects, research papers, etc.) for this course must be completed and submitted to the instructor by the due date established in order to receive credit for the assignment.

Final letter grades will be issued as follows:

A	=	90 - 100
B	=	80 - 89
C	=	70 - 79
D	=	60 - 69
F	=	0 - 59

READ THIS SYLLABUS CAREFULLY

You should read this syllabus carefully and ask your instructor about *any* aspects that you do not understand. The syllabus is an agreement between you and your instructor concerning course objectives, course content, grading, and other policies and procedures particular to this course. The above information is specific to the course. Three additional documents are provided as attachments and *are considered a part of this syllabus*:

Attachment I:

Each instructor will provide a supplement to this syllabus. The supplement will include: a week-by-week plan of instruction based on the section in which you are enrolled; your instructor's name, office hours and/or office location; and your instructor's contact information and recommended best methods to contact your instructor.

Attachment 2:

The Department responsible for developing and teaching has policies and procedures in place to assure quality instruction for all students. These are attached as "Departmental Policies and Procedures."

Attachment 3:

Please note that it is your responsibility to read the current Student Handbook included in Greenville Technical College's Catalog. (See website.) The Student Handbook addresses specific academic and student conduct policies and procedures. Excerpts from the Student Handbook representing the policies and procedures most often referred to in working with students are provided for your convenience as "Attachment 3."

Approved by: _____

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27 Jul 11
Date

This syllabus will remain in effect until revised or reviewed no later than August 2012.