

Computer Technology Department
Business/Public Service Division
GREENVILLE TECHNICAL COLLEGE

COURSE SYLLABUS

Course Title: Active Server Pages
Course Number: CPT 239

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 following information is specific to the course. Three additional documents are provided as attachments and *are considered a part of this syllabus*:

Attachment 1:

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.

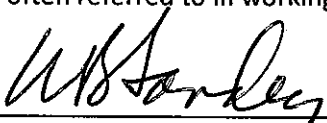
Attachment 2:

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."

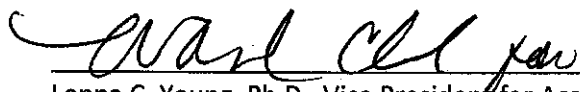
Attachment 3:

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:


Beau Sanders, Department Head, Computer Technology Department
beau.sanders@gvltec.edu, (864) 250-8314, Barton Campus, Building 103/311

Approved by:


Lenna C. Young, Ph.D., Vice President for Academic Affairs
for the Dean of Business/Public Service Division
Dean's Office: (864) 250-8196, Barton Campus, Engineering Technology Building 103/104

14 Aug 2013
Date

This syllabus will remain in effect until revised or reviewed no later than August 2014.

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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

Prerequisites: CPT 186. Computer Technology students must obtain a minimum grade of "C" in all CPT and IST courses.

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/coursestechnology> . 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 2010/2012 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 2010/2012 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.

Revised December 31, 2012

COMPUTER TECHNOLOGY PROGRAM LEVEL STUDENT LEARNING OUTCOMES
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Upon successful completion of the Computer Technology Degree students will be able to:

1. Install computer and network hardware.
2. Install computer operating systems and application software.
3. Design, create and test computer programming solutions.
4. Demonstrate the ability to take initiative, assume responsibility, and work under pressure with minimum supervision by successfully completing “hands-on” computer assignments.
5. Analyze, troubleshoot, and correct computer related technical problems.

Revised August 2012

CPT 239 COURSE OUTCOMES

Students who successfully complete this course will have demonstrated the skills required to accomplish the following objectives with a minimum competence level 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 program level student learning outcomes.

CPT 239 – MAIN TOPICS

PLAN OF INSTRUCTION:

TEXT

<u>CHAPTER</u>	<u>MAJOR TOPICS</u>
Chapter 1	Introduction to Web Development Chapter 1 Assignment Due
Chapter 2	Getting Started with ASP.NET and C# Chapter 2 Assignment Due
Chapter 3	Using Functions, Methods, and Control Structures Chapter 3 Assignment Due
Test 1	Chapters 1, 2, & 3
Chapter 4	Introduction to Web Forms and Controls Chapter 4 Assignment Due
Chapter 5	Manipulating Strings with C# Chapter 5 Assignment Due
Test 2	Chapters 4 & 5
Chapter 6	Debugging and Error Handling Chapter 6 Assignment Due
Chapter 7	Working with Databases and SQL Server Express Chapter 7 Assignment Due
Chapter 8	Manipulating SQL Server Databases with ASP.NET Chapter 8 Assignment Due
Test 3	Chapters 6, 7 & 8
Chapter 9	Managing State Information Chapter 9 Assignment Due
ASSIGN – Paper on the Adoption of ASP.NET Around the World	
Chapter 10	Developing Object-Oriented C# Programs Chapter 10 Assignment Due

Paper on the Adoption of ASP.NET Around the World Due

*******Comprehensive Final Examination *******

SPECIAL NOTE TO ONLINE STUDENTS: The final exam for online students will be administered on the Barton Campus and will be scheduled at a time determined by the department.

The instructor reserves the right to modify the Plan of Instruction by changing the sequence of text material or testing content.

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

Grades will be calculated as follows:

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

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 2010/2012 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.

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

Final letter grades will be issued as follows:

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

Business/Public Service Division – Assistant Dean Information

During the semester, if you have any issues that need to be addressed at an administrative level, the Business/Public Service has two assistant deans in addition to the Dean who will be glad to speak with you about your concerns. They are available via email, phone, or in their offices as provided below:

Elizabeth Mann, Assistant Dean, Business/Public Service for Teaching and Learning
elizabeth.mann@gvltec.edu, (864) 250-8491, Barton Campus, Criminal Justice Building 121/124

Mary Locke, Assistant Dean, Business/Public Service for Student Services
mary.locke@gvltec.edu, (864) 250-8629, Barton Campus, Engineering Technology Building 103/304