# GREENVILLE TECHNICAL COLLEGE

**School of Business and Computer Technology**
**Computer Technology**
**Course Syllabus**
**Active Server Pages CPT 239**
**Fall 2020**

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**Co-requisite**
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**Title IX Policy**
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**Credit/Contact Hours:**
3.0

**Prerequisite:**
CPT 230 and IST 226 and IST 272. Computer Technology students must obtain a minimum grade of "C" in all CPT and IST courses.


**Co-requisite:**
**None**

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**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 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 Texts:**
> 1. ASP.NET Programming with Visual C# and SQL Server by Don Gosselin; Cengage
> Learning; 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 2017 Professional will be used for this course. It is mandatory that the student have access to Visual Studio.NET 2017 at home or by using the software available in the Student Lab in the Engineering Technology Building (#103), Room 113, on the Barton Campus.

**Additional Materials, Supplies, Equipment, and Technology (i.e. Webcams):**
A USB portable storage device such as a flash drive may be used for coursework storage.

**Instructional Agreement:**
This syllabus is an agreement between the student and instructor concerning course objectives, course content, grading, and other policies and procedures particular to the course as well as any posted program, departmental, and divisional policies. It is also the student's responsibility to become familiar with the Student Handbook/College Catalog found in the Student Resources area of Blackboard.

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**Grading Scale:**
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 2008/2010/2012/2015 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 |

**Pass/Non-Pass Course Grade Option:**
This course may be eligible for the Pass/Non-Pass Course Grade Option. A student must request this option prior to the withdrawal date of this course. If approved for this option, a grade of P will be assigned if the student earns a grade of C or higher. A grade of NP will be assigned for earning a D or F. Students are encouraged to talk with their instructor and meet with an advisor prior to requesting this option. Additional information may be found in the college catalog. Click on this link or additional information:
Pass/Non-Pass

**Instructional Continuity:**
In the event of a disruption to the normal class schedule or planned activities for this course, alternate learning activities that may include other methods of instruction or locations may be implemented. If disruption occurs, your instructor will communicate through your GTC email (Gmail) account. Additionally, please make sure your contact information is accurate in GTC's emergency alert system (accessible in GTC4Me/Quick Access/GTC2me – Emergency Messaging).

**Verification of Student in Online Classes:**
Greenville Technical College is committed to student learning and the academic integrity of all courses. All GTC online courses are required to have at least one proctored learning activity that constitutes a significant percentage of the course grade, which may include a test, midterm, final exam, presentation or other assignment. Proctored is defined as an experience where an approved person ensures the identity of the student and monitors the learning activity. The proctored learning activity will be determined by the course instructor. The method of proctoring and any additional requirements, such as costs for students and/or trips to campus or approved testing center, will be explained in the course schedule/plan of instruction.

**Honorlock:**
Honorlock will proctor your exams this semester. Honorlock is an online proctoring service that allows you to take your exam from the comfort of your home. You **DO NOT** need to create an account, download software or schedule an appointment in advance. Honorlock is available 24/7 and all that is needed is a computer, a working webcam, and a stable Internet connection. For additional information on using Honorlock, click here.

**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.

*Revised January 9, 2019*

**Program Student Learning Outcomes:**
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 December 2017*

**Assessment of Student Learning:**
Greenville Technical College is committed to continuous improvement of teaching and learning. Tests, assignments, and/or projects required in this course may be shared with college faculty and used for assessment purposes. Also, student input is necessary for improving instruction and is requested through course evaluations. Students will be notified when evaluations are available.

**Administrative Withdrawals:**
Students may be administratively withdrawn from this course for the following reasons:

- **NIC (Never in Class)** Not attending a course during the drop/add period including failure to meet the attendance criteria in an online course. In this case, a grade of WA will be assigned. This WA will not count as an attempt and will not affect GPA.
- **14-Day Rule:** At any time during the semester and regardless of a student's use of financial aid benefits, the college will withdraw a student who is not in attendance for 14 consecutive calendar days including weekends, holidays, college breaks, and cancelled class sessions.
  - *Prior to the course withdrawal date,* the college policy is to assign a grade of W (Withdrawal). The student will earn no credits or grade points,

and the W will not affect GPA. For students receiving financial aid, the course will count as an attempt and may affect future aid.

o ***After the course withdrawal date***, the college will assign a grade of WF for the course which will negatively affect GPA calculation. The student will be responsible for course payment and will not be eligible for a refund. The college will notify the student of the administrative withdrawal via official college email address. For students receiving financial aid, the course will be recorded as an attempt and may affect future financial aid awards.

Students may request a reinstatement. Reinstatements must be approved by the course instructor.

**Course Policies:**
**Course Plan of Instruction:**

| CHAPTER | MAJOR TOPICS |
|---|---|
| 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

ASSIGNMENT        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.***

**Students with Disabilities:**
Students with disabilities, including those who were served in Special Education (resource or tutorial), should contact Student Disability Services (SDS) to discuss their need for services and accommodations. ***This must be done each term***. The main SDS office is located on the Barton Campus in the Student Center Building 105, office 113.

Students may reach staff by phone at (864) 250-8202 or via email to DisabilityServices@gvltec.edu. Appointments are available at all satellite campus locations. Please check the GTC website for more information concerning Student Disability Services. Visit http://gvltec.edu/disability-services for more information.

The college is committed to providing materials that are accessible to all students. However, if you experience any difficulty accessing materials, please notify your instructor immediately so that we can provide a solution. You may also contact Student Disability Services directly at (864) 250-8202 or by email at DisabilityServices@gvltec.edu.

Students who need a PDF reader to access course documents presented in PDF formats may download Adobe Reader from https://get.adobe.com/reader.

**Blackboard Ally**

Blackboard Ally is a tool to improve students' experiences within online courses. It enables students to convert files in a course to more accessible formats such as HTML, electronic braille, audio and more. For more information, refer to Blackboard Ally for Students located in Student Resources in the course menu.

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**Technology Statement:**
Greenville Technical College is not responsible for personal technology or internet access. Problems with computers, devices, or internet access are not acceptable for late work. When completing gradable coursework online, be sure to access a secure, reliable internet connection (preferably hardwired).

All technical questions should be directed to technical support. For details, visit https://www.gvltec.edu/about_greenvilletech/tech_support.

Students can access due dates for all assignments and quizzes/tests on the Course Schedule/Plan of Instruction. All graded work is time-stamped when submitted, so your instructor can check the time of submission. In addition, you will receive a confirmation email message when you submit assignments via Blackboard. You must provide this confirmation information in case of any dispute regarding the submission.

Computer labs are available at multiple campus locations and offer various hours as well as staff who are available for assistance. For more information, please visit https://www.gvltec.edu/student_resources/computer_labs.

Student should use Microsoft Office programs or PDF format for submitting assignments in Blackboard. Students can access http://portal.office.com, log in with their <username>@my.gvltec.edu email address and Blackboard/GTC4me password, then follow the prompts to install Microsoft Office free of charge.

**FERPA Policy:**
Because Greenville Technical College abides by FERPA privacy guidelines, personal email accounts may not be used for any College-related communication. Faculty and students must use the college Gmail system only.

**Start, Stay, Succeed!**