WEB180 Active Server Pages Syllabus

Course Information

Computer Technologies Division
Web Technologies
Active Server Pages—WEB180
Course Description:
This course introduces active server programming. Topics include HTML forms processing and other issues related to developing active web applications. Upon completion, students should be able to create and maintain a dynamic website.
Credit Hours: 3
Local Prerequisite: CIS115 and WEB110/CTI110

Student Learning Outcomes

Upon completion of this course, students will be able to:

- Employ OOP concepts throughout coursework using the ASP.NET Framework and the Visual Studio development environment.

- Practice using .NET Framework using the C# language, various data types, objects, and namespaces. This will be accomplished using Visual Studio.

- Develop ASP.NET Applications that use basic web forms and controls, validation controls, rich controls, state management, master pages and themes, and website navigation.

- Develop web pages that provide an interface to a SQL Server database using ADO.NET which will require the use of data binding and data controls.

Course Requirements and/or Expectations

1. Develop Web API ASP.NET pages/websites.
2. Use the .NET Framework for all development.
3. Use modern SQL databases to provide data for dynamic web pages.
4. Use modern web development approaches to file management and testing.

Required Textbooks

Delamater, Mary and Boehm, Anne. *Murach's ASP.NET 4.6 Web Programming with C# 2015, 6th Ed.*, Fresno, CA: Mike Murach & Associates, Inc. , 2015. Print. (ISBN: 978-1-890774-95-0)

A PDF version of the book is available and acceptable. All other versions of the book, Nook or Kindle, ARE NOT ACCEPTABLE.

Grading or Evaluation

Assignments: 60%
Exams: 40%

Disability Support Services

Wake Technical Community College does not discriminate on the basis of disability in the admissions or employment processes or in access to programs, facilities, or activities. Disability Support Services (DSS) is available for students who require academic accommodations due to any physical, psychological, or learning disability. Please visit the website for Disability Support Services (opens in new window), URL: [http://disabilityservices.waketech.edu], for additional information. To connect with a DSS coordinator and determine eligibility, visit the Main campus office in Holding Hall, Room 124. Phone: 919-866-5670 (Sorenson video phone for the deaf: 919-324-1508). Fax: 919-662-3616. Or, visit the North campus office in Building A, Room 317. Phone: 919-532-5713. Fax: 919-878-1896.

Wake Tech Core Values

Wake Technical Community College will structure its operations, training and educational programs around the Core Values of accountability, respect, responsibility, critical thinking, communication, and collaboration.

- **Accountability**—Accountability is essential for an environment of learning. Those who are accountable stand by their words and actions, taking full responsibility for what they create and for what they contribute to the community.
- **Respect**—Respect is a prerequisite for enhancing learning. Community members who respect themselves and others help create a safe, yet open, climate of learning.
- **Responsibility**—Responsibility is the root of success. Students who assume personal responsibility for their education will reach their goals. Responsible students also make contributions to their communities.
- **Critical Thinking**—Critical thinking is the fundamental purpose of higher education. The ability to solve problems through the application of the appropriate skills is critical to all disciplines.
- **Communication**—Communication is increasingly the key competency for living and working in the information age. Communicating effectively in oral and written forms through traditional and new media is a powerful tool for personal and career success.
- **Collaboration**—Collaboration, by bringing together individual knowledge and talents, creates teams that are greater than the sum of their parts. Such teamwork maximizes benefits to individuals and the community.

Policies

Students are responsible for reading the information and policies set forth in the Wake Technical Community College catalog (opens in new window), URL: [http://catalog.waketech.edu], as well as additional requirements set by the instructor. Students are held accountable for this information. New policies and policy changes will be communicated to students on the official Updates page (opens in new window), URL: [http://Updates.waketech.edu].

Attendance Policy

Absences–The college catalog student handbook states that "students are expected to be in attendance at least 90 percent of all scheduled class meetings. An absence is

defined as missing one-third or more of any regularly scheduled class meeting." If you anticipate an absence, notify your instructor in advance. "If prior notification is not possible, the student should contact the instructor immediately upon returning to the College to determine the next course of action."

Absences due to religious holidays—The college catalog states that "Wake Tech students are allowed two class days of excused absences per academic year for religious observances. It is the student's responsibility to contact the instructor for each course in which work will be missed. The student must provide written notification to the instructor within the first two weeks of the semester, identifying the religious observance and date of the planned absence."

Days missed for religious observances will be counted as absences, but they will not be considered part of the allowed 10%. Reasonable accommodations will be made for affected students in regard to any resulting missed work.

Verification of Attendance in Online or Hybrid Courses--In order to remain enrolled in an online or hybrid course, each student is required to open and complete the Course Entry Quiz in Blackboard by 11:59 PM on the semester 10% date. Students should complete the activity as soon as possible. Delay in completion may result in getting behind in coursework or in missing assignments.

Students who do not complete the Course Entry Quiz by the deadline will be dropped from the course with no tuition refund.

Late Work Policy

Projects, portfolios, exercises, assignments, exams, quizzes and all other assessments are due on the assigned date. There will be no extensions, no exceptions except in a DOCUMENTED EMERGENCY. If an extension is given, and time limit will be given to complete the assessment then a full grade point will be deducted for each DAY the assignment is late.

Official Communication with Students Policy

Every curriculum student is provided with an official Wake Tech email account through the Wake Tech student portal (opens in new window), URL: [http://my.waketech.edu].

- Students must first activate their my.waketech.edu account, wait 24 hours, and then activate the email account.
- This college-issued email account is to be used for all email correspondence with instructors and other college officials.

Official correspondence from the college (communications from instructors, information about registration or financial aid, etc.) will be sent to students' Wake Tech email address **ONLY**. **Instructors and college officials may refuse to accept student emails sent from other addresses.** Review the Registration and Records section in Wake Tech's catalog (opens in new window), URL: [http://catalog.waketech.edu], for updates to the Official Communication with Students Policy.

FERPA Statement

Review the Academic Policies section of Wake Tech's catalog (opens in new window), URL: [http://catalog.waketech.edu], for updates.

Following the *Family Educational Rights and Privacy Act* (FERPA) *of 1974*, instructors are prohibited from discussing a student's grade or other matters related to academic performance outside of the Blackboard grade center. Faculty may send grades to individual students via email only when written authorization from the student is on file (WTCC Form 1126).

The Authorization to Release Instructor Graded Material (WTCC Form 1126) does not apply to final grades. Final grades will be accessed through WebAdvisor only or with a Request for Transcript.

Students may request this form from the instructor.

Wake Technical Community College Academic Integrity Policy

"Wake Technical Community College expects students to demonstrate the highest personal integrity in all academic work and behavior…. Students may be asked to sign a statement of academic integrity upon entering Wake Tech classes." Review the Student Code of Conduct, Rights, and Responsibilities section of Wake Tech's catalog (opens in new window), URL: [http://catalog.waketech.edu], for additional information.

Student Code of Conduct

"Students are expected to conduct themselves in accordance with generally-accepted standards of scholarship and conduct. The purpose of the Student Code of Conduct (the Student Code) is not to restrict student freedom but to protect the rights of all students in their academic pursuits." Review the Student Code of Conduct, Rights, and Responsibilities section of Wake Tech's catalog (opens in new window), URL: [http://catalog.waketech.edu], for additional information.

Schedule

Week	Topics and/or Assignments	Reading
1	C# Tutorial	
2	C# Tutorial	
3	C# Tutorial	
4	C# vs Python	
5	Intro to ASP.NET Programming How to Develop One Page Apps and Use HTML5/CSS3	Ch 1-3
6	How to Develop Multi-Page Apps Testing and Debugging	Ch 4-5
7	Standard Server Controls, Validation Controls Using State Controls/Objects	Ch 6-8
8	Using Master Pages, Themes, and Navigation Controls	Ch 9-11
9	Intro to Database Programming Using SQL Data Sources	Ch 12-13
10	Using the GridView Control	Ch 14
11	Using the DetailsView and FormView Controls	Ch 15
12	Using Data Containers	Ch 16
13	Using ADO.NET	Ch 17
14	Securing a Website Authenticating and Authorizing Users	Ch 19-20
15	Using email, Error Pages, and Back-Button Control Configuring and Deploying ASP.NET Apps	Ch 21-22
16	ASP.NET Ajax	Ch 23