

Collin College - Continuing Education

COURSE SYLLABUS

COURSE INFORMATION

Course Number: DNET 6410

Course Title: C# Web Programming with Visual Studio

Course Description: Use C# with Visual Studio to create dynamic, powerful, and extensible Web applications with ASP.NET programming models for Web pages, Web forms and Model- View-Controller (MVC) with SQL Server databases and Microsoft IIS.

Suggested Course Prerequisite(s): Basic understanding of C#

Course Resources: Murach's ASP.NET 4.6 Web Programming with C# 2015
Delamater/Boehm; Murach, ISBN: 978-1-890774-95-0

Students can download C# Visual Studio Express edition and SQL Server for free from Microsoft
<http://www.microsoft.com/express/download/>

Additional Resources:

<http://msdn.microsoft.com/vcsharp/>

http://www.devx.com/Summit_Days/Article/29045/1763

<http://www.c-sharpcorner.com>

Student Learning Outcomes: Demonstrate understanding of ASP.NET fundamentals, creation of web form applications, use of server-side controls and creation of Web services.

Certification Notes:

Next course recommendation: ASP.NET Web Programming

Lesson Plan – by week or session:

Session 1:

An introduction to ASP.NET web programming

How to develop a one-page web application

Session 2:

How to use HTML5 and CSS3 with ASP.NET applications

How to develop a multi-page web application

Session 3:

How to test and debug ASP.NET applications

How to use the standard server controls

How to use the validation controls

Session 4:

How to work with state, cookies, and URL encoding

How to use master pages

How to use themes

Session 5:

How to use site navigation and ASP.NET routing

An introduction to database programming

How to use SQL data sources

Session 6:

How to use the Grid View control

How to use the Details View and Form View controls How to use the List View and Data Pager controls

Session 7:

How to secure a web site

How to authenticate and authorize users

How to use email, custom error pages, and back-button control

Session 8:

How to configure and deploy ASP.NET 4.6 applications

How to use ASP.NET Ajax

Session 9:

How to develop WCF and Web API services

An introduction to ASP.NET MVC

Course Sessions:

Listed are guidelines to indicate all topics that will be covered during your course. Do not plan your personal calendar based on these sessions. Your instructor will give you a calendar for your class that will indicate specific topics, assignments, and days.

Method of Evaluation:

Unless otherwise stated, course completion is evaluated on the basis of attendance. Students must be in attendance 90% of the class time in order to be considered a successful completer of the course.

Students must be in attendance 90% of each course in a certificate series for successful completion and to earn a certificate as specified.

Students must complete all courses (core and no. of elective courses needed) to complete a certificate series within two years from start date of the first course taken.

Refund Policy:

Please refer to www.collin.edu/ce/inforegistrar.html for our refund policy. No refunds after the start time of the first class.

Americans with Disabilities Act:

Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal opportunity. It is the student's responsibility to contact the ACCESS office, SCC-D140 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current Collin Student Handbook for additional information.