

Collin College - Continuing Education

COURSE SYLLABUS

COURSE INFORMATION

Course Number: DNET 6415

Course Title: Introduction to C# Visual Studio

Course Description:

Essential C# fundamentals for students with some programming experience but no C# experience. Topics include the fundamentals of programming in .NET (variable, loops, data structures, etc.), database programming, windows programming, and web programming.

Suggested Course Prerequisite(s): Experience programming in C, C++, Visual Basic, Java or other programming language.

Course Resources:

Murach's C# 2015
Mike Murach & Associates
ISBN: 978-1-890774-94-3

Students can download C# Visual Studio and SQL Server express edition for free from Microsoft <http://www.microsoft.com/express/> or the Professional edition of Visual Studio <https://www.imagine.com/>

Additional Resources:

<http://msdn.microsoft.com/vcsharp/http://www.c-sharpcorner.com>

Student Learning Outcomes:

1. Create windows forms applications including multiple document interface applications.
2. Create applications that interact with databases such as SQL Server and Microsoft Access.
3. Understand the basics of .NET
4. Understand the fundamentals of C# programming (variables, controls, loops, decision structures, etc.). Able to create basic windows applications using MS Visual Studio.

Certification Notes:

Next course recommendation: C# Web Programming with Visual Studio

Lesson Plan – by week or session:

Session 1: Introduction to Visual Studio (Chapter 1)
Session 2: Windows Form Applications (Chapters 2 & 3)
Session 3: Basic Coding Techniques (Chapters 4 & 5 & 6 & 7)
Session 4: Basic Coding Techniques cont'd (Chapters 8 & 9 & 10 & 11)
Session 5: Basics of Object Oriented Programming (Chapters 12 & 13)
Session 6: More with Object Oriented Programming (Chapters 14 & 15)
Session 7: Basic Database Programming (Chapters 17 & 18)
Session 8: Database Programming cont'd and working with files (Chapters 19 & 20 & 21 & 22)
Session 9: LINQ, Enhance user interface and Application deployment (Chapters 23 & 24 & 25)

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.