Prerequisite: ITSE 1430 C# Programming Language or instructor approval.

COURSE DESCRIPTION
Continuation of C# programming using advanced features of the .NET Framework Class Library.

This is a 4 credit hour course. (3 Lec. 4 Lab.)

WECM End-of-Course Outcomes: Design programs with Graphical User Interface (GUI) interactions; use ActiveX Data Objects (ADO); and design and implement a client-server application.

STUDENT LEARNING OUTCOMES:

Upon successful completion of ITSE 2453, students will be able to:

- Identify Advanced C# terms, syntax, data types, and relationships.
- Produce object-oriented programs utilizing studio development tools that include files, scripting troubleshooting, and advanced collections.
- Reinforce skills by reviewing for certification exams.
- Demonstrate knowledge of Advanced C# technologies by deploying a personal web site utilizing skills learned in this course.

COURSE MATERIALS


A student of this institution (El Centro College) is not under any obligation to purchase a textbook from a university-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.
Major Course Requirements

Students will participate in Discussion Boards addressing topics in each lecture
Students will complete lab exercises which include:

- Examining advanced C# elements to create, build, run and debug an application
- Utilizing software development & exploring different programming methodologies
- Writing Advanced C# syntax for programs involving conditional expressions & logical operators, components of a method, If and Switch statements, While for loops, Do while loops and For each loops, string classes, event-handling procedures, list boxes, table controls, combo boxes and radio buttons
- Creating Window-based applications

Chapter Quizzes will evaluate the student’s understanding of Advanced C# programming concepts and knowledge presented in each chapter.

Subject Matter
Topics covered in the lecture portion of the course include:
  - Web Sites
  - Interactive Web Pages
  - Objective-oriented programming concepts
  - Advanced Collections
  - Files
  - Navigation techniques
  - User input controls and validation
  - Client-side Scripting
  - Website troubleshooting and deployment

Disclaimer
The provisions contained in this syllabus do not constitute a contract between the student and El Centro College. These provisions may be changed at the discretion of the Coordinator/Instructor. When necessary, appropriate notice of such changes will be given to the student.

The instructor-of-record may provide additional information to enhance the course to meet the needs of the enrolled students, provided that the enhancements do not conflict with the official course syllabus.

Policies
Students should click on the links below and read all of these policies.

General institutional policies
Course-related institutional policies