



Department of Computer Science
College of Science
University of Cihan Sulaimaniya

Subject: Visual Programming I
Course Book – 3rd stage

Lecturer's name: Asst.Lecturer Asan Baker Kanbar

Academic Year: 2023/2024

Course Book

1. Course name		VISUAL PROGRAMMING I
2. Lecturer in charge		Asan Baker
3. Department/ College		Computer Science
4. Contact		e-mail: asan.baker@sulicihan.edu.krd Tel:
5. Time (in hours) per week		Practical: 4 Hours
6. Office hours		
7. Course code		CSC3104
8. Teacher's academic profile		<p>2005-2008 M. Sc. Ege University Computer Engineering Department - Izmir- Turkey</p> <p>2004-2005 Gazi University Turkish Learning Center Ankara-Turkey</p> <p>2000-2004 BSc Software Technical Engineering Department - Kirkuk-Iraq</p> <p>EXPERIENCE:</p> <p>2002-2003 Kirkuk Petrol Company (<i>Practical Training</i>) Kirkuk</p> <p>2009 Ava Group (<i>software engineer</i>) Sulaymania</p> <p>2011 Cihan University Sulaimaniya</p>
9. Keywords		
	<p>10. Course overview: Today C# is considered to be the most popular and modern Programming language. It belongs to "C" family and inherently has lots of things carried from C programming language. It is the ideal choice of all .net developers for the reason that Microsoft has developed C# with features of popular languages to develop different types of .net applications.</p>	

	<ul style="list-style-type: none"> • 11. Course objective: • Understand the differences between Visual Studio and Visual Studio Code • This course provides students with hands on experience using Visual Studio to create desktop applications using Windows Forms and the .NET Framework using C#. • Students then learn how to leverage the power of the .NET Framework to build desktop applications. Students learn how to build Windows Forms applications and use with a variety of controls to create sophisticated user interfaces. • Describe how the editor, debugger, customization, extensions, pair programming, and publishing tools of Visual Studio make you more productive. 										
	<p>12. Student's obligation</p> <ul style="list-style-type: none"> - Quizzes, - Exams, - Assignments 										
	<p>13. Forms of teaching</p> <ul style="list-style-type: none"> - Data show - White board - Computer 										
	<p>14. Assessment scheme</p> <p>The 100 marks will be divided into :-</p> <table data-bbox="526 1255 1094 1556"> <tr> <td>Mid-Exam1</td> <td>15 marks</td> </tr> <tr> <td>Mid-Exam2</td> <td>25 marks</td> </tr> <tr> <td>Quizzes, activities</td> <td>10 marks</td> </tr> <tr> <td>Final-Exam1</td> <td>15marks</td> </tr> <tr> <td>Final-Exam2</td> <td>35 marks</td> </tr> </table>	Mid-Exam1	15 marks	Mid-Exam2	25 marks	Quizzes, activities	10 marks	Final-Exam1	15marks	Final-Exam2	35 marks
Mid-Exam1	15 marks										
Mid-Exam2	25 marks										
Quizzes, activities	10 marks										
Final-Exam1	15marks										
Final-Exam2	35 marks										
	<p>15. Student learning outcome:</p> <p>At the completion of this course, the student will be able to:</p> <ul style="list-style-type: none"> • Create and use user controls in a Windows Forms application • Create menus in a Windows Forms application • Add code to form and control event procedures in a Windows Forms 										

	<p>application</p> <ul style="list-style-type: none"> • Use multiple forms . • Design mini projects using visual C# controls
	<p>16. Course Reading List and References:</p> <p>1. <u>Reference books:</u></p> <ul style="list-style-type: none"> • Windows forms programming with C# by Erik Brown • C# 6.0 and the .NET 4.6 Framework, by Andrew Troelsen and Philip Japikse. • C# .NET Web Developer's Guide by Adrian Turtschi, Jason Werry Greg Hack, Joseph Albahari. <p>2. Textbook</p> <ul style="list-style-type: none"> • Windows forms App using C# student guide ,revision 0.4 • Learning Winforms, e book by stack overflow contributors
17. The Topics:	
<p>Introducing Windows Forms Setting Form Properties Writing a Simple Windows Forms Application</p>	Week1
<p>Creating the first windows form application. Concepts such as MessageBox, customized messageBoxes, TextBox, Buttons and Labels.</p>	Week2
<p>Introduces arithmetic operations on Windows Form Applications. Writing and designing a calculator application.</p>	Week3
<p>introduces the use of menuStrip, toolbarStrip and context menuStrip components in Windows Form applications</p>	Week4
<p>Explain how to make a notepad alike application through visual C#. A new windows form component named "richTextBox" and lots of other components from the previous lectures</p>	Week5
<p>introduces the use of RadioButton, CheckBox and ComboBox in Windows Form Applications with C#. Validation of these components with an errorprovider is also explained with detail.</p>	Week6
<p>Introduces the use of multiple forms in Visual C# applications.</p>	Week7

how to transfer form components values from one form into another	
Introduces the use of listBox and CheckedListBox components in Visual C# windows form applications.	Week8
PictureBox Design on Form, how to get image from file	Week9
DateTimePicker Date Time Picker Tool Month Calendar Tools DateTimePicker Tool Timer Controls And Tick form In C #	Week10
Slider Bar Or Track Bar With Scroll Color Value With Slider Bar Or Track Bar With Scroll	Week11
Explaining how to create folders (directories) and files (particularly .txt files) via using C# Windows Form applications. introduce how to create folders; create txt files; and read from and write into .txt files.	Week12
Introduce list view. how to manipulate properties of listview, how to add columns and also transfer data into other components from the listview.	Week13
Explain how to Create, Show and Manipulate XML Files	Week14
Revision of previous lectures & answer students questions	Week15
20. Extra notes:	None
21. Peer review	Assistant Professor Dr.Lway Faisal Abdulrazak



Asst.Lecturer: Asan Baker

