



## Course Weekly Outline

|                           |  |                        |            |                   |
|---------------------------|--|------------------------|------------|-------------------|
| <b>Course Instructor</b>  | <b>Yossra H. Ali</b>   |                        |            |                   |
| <b>E-mail</b>             | <b>yossra.h.ali@uotechnology.edu.iq</b>  |                        |            |                   |
| <b>Title</b>              | <b>Windows Programming1</b>  |                        |            |                   |
| <b>Course Coordinator</b> |  |                        |            |                   |
| <b>Course Objective</b>   | Understanding fundamentals of Windows programming and preparing students theoretically and practically to apply acquired knowledge and skills in producing programs for Windows programming.   |                        |            |                   |
| <b>Course Description</b> | Windows Programming Fundamentals, Application Essentials (Message Box), Application Essentials (Outputting Text to a Window), Dialog Box, Work with picture & icon & cursor  |                        |            |                   |
| <b>Textbook</b>           |  |                        |            |                   |
| <b>References</b>         | <ol style="list-style-type: none"> <li>1- Programming Windows, Fifth edition, Charles Petzold, 1998.</li> <li>2- Windows 10 System Programming, Part 1, Pavel Yosifovich, 2000.</li> <li>3- C++ Window Programming, Stefan Bjömander, 2016</li> <li>4- Windows 98 Programming from the ground up. Herbert Schildt ; Osborne McGraw-Hill. 2000</li> <li>5- Borland C++ Complete Reference. Herbert Schildt; Osborne McGraw-Hill. 2001</li> <li>6- Windows NT4 Programming from the ground up. Herbert Schildt; Osborne McGraw-Hill. 2004</li> <li>7- Programming Windows, L. Csurgai 2014.</li> </ol> |                        |            |                   |
| <b>Course Assessment</b>  | <b>First semester</b>  | <b>Second semester</b> | <b>Lab</b> | <b>final exam</b> |
|                           | <b>25%</b>   |                        | <b>15%</b> | <b>40 %</b>       |
| <b>General Notes</b>      |  |                        |            |                   |



## Course weekly Outline

### First semester/ Windows Programming1

| week | Date | Topics Covered                                | Lab. Experiment Assignments                   | Notes |
|------|------|---|---|-------|
| 1    |      | General introduction                          | Windows interface                             |       |
| 2    |      | Principles of windows programming             | Design of windows structures                  |       |
| 3    |      | Types of outputs                              | Message box design                            |       |
| 4    |      | Messages Boxes                                | Apply the messages                            |       |
| 5    |      | Keyboard message                              | Execute the keyboard                          |       |
| 6    |      | Windows message of char                       | Char message execution                        |       |
| 7    |      | Windows message of paint                      | Keyboard messages                             |       |
| 8    |      | Mouse messages                                | Windows message of paint                      |       |
| 9    |      | Double click mouse message                    | Programming the mouse message                 |       |
| 10   |      | Menu introduction design                      | Programming the double mouse message          |       |
| 11   |      | Recourse file and Creating Menu and Sub menus | Recourse file applying                        |       |
| 12   |      | Quiz  | Recourse file and Creating Menu and Sub menus |       |
| 13   |      | Creating Sample Menu program                  | Quiz  |       |
| 14   |      | Adding Menu accelerators Keys                 | Creating Sample Menu program                  |       |
| 15   |      | Non-menu accelerator keys                     | Adding Menu accelerators Keys                 |       |
| 16   |      | Overriding the class menu                     | Example of Overriding the class menu          |       |

Instructor Signature:

Dean Signature: