**B Aims and Objectives**

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| 1. Aims of the Course  **The aim of this course is to introduce the basic concepts of computer programming using Visual Basic.NET . It gives a theoretical understanding of the following:**   * **Introduction To Programming With Visual Programming**  Menu Bar and Toolbar , Window Form and Event HandlingLabels, Groupboxes , Chechboxes, tooltips , listboxex, comoboBoxes Arithmetic, Relational and Logical OperatorsConditional StatementsFunctionsLoops StatementsArrays Book: **Visual Basic 2008 vb and c#.net, Ahmed Khalifah** |

**C. Course Description**

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| Topic | | | | No of  Weeks |
| Visual studio 2008 installing and overview | | | | **1** |
| **Tool box** | | | | **1** |
| Variables define and variables type: constant + read only | | | | **1** |
| String variables + divided, merge, comparing and search in string text and converting between variables | | | | **2** |
| **Conditional Statements** - if statement- if...else statement- nested - if- switch statement | | | | **2** |
| **Function and sub define, calling, overloading and overwriting** | | | | **1** |
| **Exam 1** | | | | **1** |
| **Loops**  - for statement  - while statement  - do...while statement | | | | **2** |
| **Arrays of one dimension, two dimension, unseized array and resize array.** | | | | **2** |
| **Exam 2** | | | | **1** |
| 5. Scheduling of Assessment Tasks for Students | | | | |
| Assessment | Assessment task (eg. essay, test, group project, examination etc.) | Week due | Proportion of Final Assessment | |
| 1 | **Homework** | **4nd , 7th , 9th and 12th** | **20%** | |
| 2 | **Midterm 1** | **7th week** | **20%** | |
| 3 | **Midterm 2** | **13th week** | **20%** | |
| 4 | **Final** | **15th week** | **40%** | |