**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 Statements FunctionsLoops StatementsArraysBook: **Visual Basic 2008 vb and c#.net, Ahmed Khalifah** |

**C. Course Description**

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| Topic | No ofWeeks |
| 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%** |