جامعة الملك سعود

كلية الدراسات التطبيقية وخدمة المجتمع

الفصل الدراسي الأول 1439 / 1440هـ خطة مقرر 1411 تقن

**CT1411 Visual Programming**

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| **أستاذة المقرر** | **أوقات المحاضرات** | **المكتب** | **البريد الإلكتروني** | **الموقع الإلكتروني** |
| منيرة العوض | الأحد، الثلاثاء، الأربعاء10–11 (محاضرة) الأربعاء 8-10 (عملي) | مبنى 26مكتب36الدور1 | malawadh1@ksu.edu.sa | [هنا](http://fac.ksu.edu.sa/malawadh1) |

**Reference**:

• Handouts & lecture notes

• Text Book : Visual Basic 2010 how to program by Deitel.

**Course Description:**

The aim of this course is to introduce the advanced concepts of computer programming using Visual Basic. It gives a theoretical understanding of the following:

* + Revision to Programming with Visual Programming
  + Advanced Menu Bar and Toolbar, Window Form and Event Handling
  + Introduction to LinQ and Generic Collection
  + Object Oriented programming
  + Graphics and Multimedia
  + Databases and Linq to SQL
  + Files and Streams

**Course Outline:**

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| **Basic and support material to be covered** |
| **Lecture:**  Object-Oriented Programming: Classes and Objects |
| **Lab:**  Debugging Visual Basic Programs |
| **Lecture:**  Object-Oriented Programming: Inheritance |
| **Lab:**  Classes and Objects lab |
| **Lecture:**  Introduction to LINQ |
| **Lecture:**  Databases and LINQ |
| **Lecture:**  LINQ to DATABASE-2 |
| **Lab:**  Data Base labs  **Major Exam I** on 23 October |
| **Lecture:**  Files and Streams |
| **Lab:**  Files and Streams lab |
| **Lecture:**  Introduction to Processing Textual Data |
| **Lab:**  Processing Textual Data lab |
| **Lecture:**  Graphics and Multimedia |
| **Lecture:**  part2 Graphics and Multimedia  **Major Exam II** on 28 November |
| **Lab:**  Graphics and Multimedia lab |
| **Revision** |
| **Final Examination** |

**Grading Policy:**

* First Mid 15% - 8th weekWednesday
* Second Mid 15%- 12th weekWednesday
* Two Quizzes 10%- 7th week and 11th week, respectively Tuesday
* Lab Work 10%- weekly
* Final Lab 10% - 14th week
* Final Exam 40%

**Class Rules:**

* Please check the instructor’s website for course material and announcements.
* Attendance is very important if you miss class more than 25% you will be forbidden to enter the final.
* If you’re late you may attend but you will be considered absent after 3lates.
* If you miss one of the major exams, you will be not excused unless the you have medical report.
* Lab work requires your attendance. It is not a group work therefore you need to study before the lab time to be able to finish the required assignments. Please keep a flash memory, to save your work.
* This course requires constant studying. If you have any questions, please do not hesitate to contact me.