|  |
| --- |
| **Course Title: CWD2321 Factual Programming**  **Year and Semester:** Year 2, Semester 1 |
| **Course Description**  This course provides an introduction to programming using the VB.NET language. Students are introduced to the application development cycle, structure of programs, and specific language syntax. The course also contains "Thinking Like a Programmer" reviews that provide students insight on how to develop common algorithms. The course covers console and file I/O, string and character manipulation, managing data using collections and fundamental object-oriented programming concepts. Error handling techniques are also emphasized. The course also illustrates how to build user interfaces using Windows Forms. Comprehensive hands on exercises are integrated throughout to reinforce learning and develop real competency. |
| **Prerequisite(s) or co-requisite(s)**  None |
| **Method of Instruction**   * Lecture * Laboratory |
| **Content Outline by Main Topics**   * Introduction to visual Basic(VB) * Manipulation and Role of Objects * Creation of Interfaces * Variables * Control Structures, Iterations |
| **Actual Contact Hours/Week**  8 hours a week for 12 weeks |
| **Methods and Frequency of Evaluation of Student Performance**  Workshops (minimum 5) 10%  Assignments (minimum 2) 7%  Test(s) 3%  Final Exam 80% |
| **Resources to be Purchased/Provided by Students:** None |
| **Textbook Requirement:**  Programming Visual Basic .Net  By Dave Grundgeinger  Publisher O’Reilly  First Edition January 2002  ISBN: 0-596-00093-6 |