

MASTER SYLLABUS

Course Number & title: BUS 371 – Programming for Business II
Department(s): Accounting/MIS
Credit hours: 3
Prerequisites: BUS 370
Fees and charges: None

Effective catalog date for this master syllabus: 2007-2008

1. Catalog description:

This course is a continuation of BUS 370, and will involve advanced programming techniques, including file handling. Complex problem-solving situations will be undertaken in order to provide the student with applications-oriented experience.

2. Course content:

The course will cover the following topics:

- a. Lists and Arrays
- b. Classes with Methods
- c. Sequential File Access
- d. Database Programming
- e. Graphics and Printing
- f. Web Applications
- g. Exception Handling

3. Student learning objectives:

Upon completion of the course, students will:

- a. Understand the use of advanced data structures, including: lists, arrays, etc.
- b. Develop applications which perform file handling functions.
- c. Develop applications which access and manipulate data stored in a database.
- d. Develop web-based applications.

4. Student assessment criteria:

Students will be assessed through a combination of programming assignments and exams.

5. Instructional approach:

The material in this class will be presented primarily through lectures and programming demonstrations. The lecture material will be reinforced through the extensive use of laboratory assignments using the Visual Basic .Net programming language.

Textbook: Deitel, P.J. and Deitel, H.M. Simply Visual Basic 2005 (Second Edition), Upper Saddle River, NJ: Prentice Hall, 2007