Course Description: This class is designed as an introductory programming for users with little or no programming background. Its approach is object-oriented and data-driven. It introduces sound programming techniques through hands-on exercises. It offers real world MIS and business related examples to help prepare individuals for their first job. Users learn how to plan, program, and debug Visual Basic applications using modern programming techniques.

Rationale: To introduce the student to basic programming techniques and practices.

Course Goals: To provide the student with experience developing computer programs utilizing structured development techniques. Familiarize the student with the capabilities and use of the Visual Basic programming language.

Competencies:
1. Utilizing structured programming techniques when developing business systems.
2. Design and develop programs using the object-oriented properties of the Visual Basic programming language.
3. Complete an operational business system utilizing Visual Basic.
4. Utilize structured testing techniques to insure problem free code.

Text: An Introduction to Programming using Microsoft Visual Basic 2005
Beth Brown and Bruce Presley 2006 Lawrenceville Press
Planed Schedule:

08/21/2006  Review Syllabi
             Chapter 1 Computers and Programming Languages  Pages 1 – 35

08/25/2006  Chapter 2 Introducing Visual Basic  Pages 36 – 66

09/01/2006  Chapter 3 Variables and Constants  Pages 67 – 92

09/08/2006  Exam I  Chapter 1, 2, & 3

09/11/2006  Review Exam
             Chapter 4 Controlling Program Flow with Decision Structures  Pages 93 -128

09/18/2006  Program Design
             Program I Assigned

09/22/2006  The VB Debugger

09/27/2006  Exam II Chapters 4, VB Debugger & Design

09/29/2006  Review Exam
             Program I Due
             Chapter 5 Controlling program Flow with Looping Structures  Pages 129 – 160

10/02/2006  Program II Assigned
             Chapter 6 Procedures  Pages 161 – 202

10/09/2006  Exam III Chapters 5 & 6

10/11/2006  Review Exam
             Program II Due
             Chapter 7 Math and Business Functions  Pages 203 – 242

10/18/2006  Chapter 8 Arrays and Structures  Pages 243 – 278
             Program III Assigned

10/25/2006  Exam IV Chapter 7 – 8

10/27/2006  Review Exam
             Program III Due
             Chapter 9 Color, Sound and Graphics  Pages 279 – 316

11/03/2006  Chapter 10 Creating Classes  Pages 317 – 358
11/08/2006 Chapter 11 Using Files Pages 359 – 392
Project IV Assigned

11/15/2006 Exam V Chapter 10 & 11

11/17/2006 Review Exam
Program IV Due
Chapter 12 Sorting and Searching 393 – 410

11/22/2006 Chapter 13 MDI Applications
Final Program Assigned
411 - 442

12/06/2006 1:00 Final Exam
Final Program Due

Course Duration: 15 weeks

Grade Components: 6 Exams (100 Points each) 600
5 Visual Basic Projects 500
Total Points 1100

Grading Scale: 90% - A, 80 % - B, 70% - C, 60% D, Below 60% - F

***** NO LATE WORK WILL BE ACCEPTED AND NO MISSED TEST CAN BE MADE UP. IF YOU ARE AWARE YOU WILL BE MISSING CLASS ON THE DAY A TEST IS GIVEN OR WHEN AN ASSIGMENT IS DUE YOU NEED TO MAKE ARRANGEMENTS PRIOR TO THE TEST/DUE DATE.

 Attendance Policy: Attendance is taken on a daily basis. There are no excused absences, regular attendance is mandatory if the student hopes to make normal progress. It is the responsibility of the student to make up any work that is missed, whatever the reason for the absence.

The MVC attendance policy is as follows: Any student missing more then 50% of class at any given point in time during the semester will be dropped from that class and a Withdrawal Fail grade will be assigned. If a student misses two consecutive weeks of class them they will be administratively withdrawn from class. If a student is administratively withdrawn after the sixth week of class then they will receive a WP or WF as a grade. If you intend to withdraw from a class please see your advisor, Do no count on this policy to automatically withdraw you from the class.
Extra Help:  The student is encouraged to seek help whenever it is needed. I will be available during my posted office hours or by prior arrangement.

Bibliography:  Beginning Visual Basic 2005  
Thearon Willis and Bryan Newsome  2006 Wiley Publishing

An Introduction to Programming using Visual Basic 2005  
David I. Schneider  2006 Prentice Hall Publishing

An Introduction to Programming using Microsoft Visual Basic 2005  
Beth Brown & Bruce Presley  2006 Lawrenceville Press