UNIVERSITY OF MISSOURI – ST. LOUIS
IS 3844: Developing Business Applications in Visual Basic.NET
Spring 2014

Professor: Dr. Dinesh A. Mirchandani
Office Location: 217 ESH
Office Hours: By appointment
Office Phone: 314-516-7354
E-mail: mirchandanid@umsl.edu and mirchandanid@sbcglobal.net (for assignments)
Classroom Location: M: 003 ESH and W: 103 ESH
Class Days/Times: MW 5.30 pm – 6.45 pm

Textbook:

Microsoft Visual Basic 2010 Reloaded, Fourth Edition, Author: Diane Zak, Course Technology, 2010, ISBN-10: 1111221790; ISBN-13: 9781111221799

Description:

This course provides a study of business-oriented programming. A programming language (Visual Basic 2010) will be introduced and discussed in detail. The emphasis will be on programming fundamentals and business oriented applications.

Learning Objectives:

Students will learn about:

- Concepts of Visual Basic 2010
- Creating a User Interface
- Variables, Constants, Methods, and Calculations
- Making Decisions in a Program
- Repeating Program Instructions
- String Manipulation
- Sub and Function Procedures
- Arrays
- Structures and Sequential Access Files
- Creating Classes and Objects
- Working with databases

Internet Access and E-Mail:

All students should obtain access to the Internet and an e-mail account. If you have any questions about the course or need assistance, please contact me in person or by e-mail at any time.

Assignments:

Assignments are due at the beginning of class on the date they are due and you will be given about a week's time to complete them. All assignments are to be completed individually.

Tentative Course Schedule:

Classes on	Topic	Assignment Due Date (on Thursday)
1/22	Introduction	
1/27 – 1/29	Creating a User Interface	
2/3 – 2/5	Variables, Constants, Arithmetic Operators	
2/10 – 2/12	Making Decisions in a Program	
2/17 – 2/19	More on the Selection Structure	
2/24 – 2/26	The Do Loop and List Boxes	Assignment 1
3/3 – 3/5	The For-Next Loop	Assignment 2
3/10 – 3/12	**Exam 1**	**The exam will cover chapters 1-7**
3/17 – 3/19	Sub and Function Procedures	
3/24 – 3/26	**Spring Break**	
3/31 – 4/2	Arrays	
4/7 – 4/9	String Manipulation	
4/14 – 4/16	Structures & Sequential Access Files	Assignment 3
4/21 – 4/23	**Exam 2**	**The exam will cover chapters 8-11**
4/28 – 4/30	Classes and Objects	Assignment 4
5/5 – 5/7	Working with databases	Assignment 5
5/12	**FINAL EXAM (5.30 – 7.30 PM; 003 ESH)**	**The exam will cover chapters 12,14** Assignment 6

Grade Components:

Evaluation Criteria	Percentage of Grade
Exam 1	25 %
Exam 2	25 %
Final Exam	25 %
Programming Assignments	25 %

Requirements for turning in Assignments:

- Assignment files - E-mailed to **mirchandanid@sbcglobal.net** before class by the due date

Grade Distribution Scale:

Grades will be assigned fairly based on natural breaks in the grade distribution.

Student Disability:

If anyone has a health condition or disability, which may require accommodations in order to effectively participate in this class, please let me know. This information will be kept strictly confidential.

Campus Safety
- All members of the UMSL community are invited to register their cell and office phone numbers to receive notification of any pending danger on campus. Find instructions here: http://safety.umsl.edu/police/services/3n.html

- In the event of an emergency on campus, call Campus Police at 314.516.5155. A call to 911 on a cell phone only, will go to the St. Louis County Police. The St. Louis County Police will notify UMSL Police, but this may cause a delay in response. Campus Police know the best way to escort emergency vehicles to locations on campus.
- If you do not feel comfortable walking to a parking lot, MetroLink stop, or anywhere else on campus, contact the Campus Police for an escort: 314.516.5155.