

# MSIS 3363 – Advanced MIS Programming Object Oriented Programming (Visual Basic.Net)

Syllabus, spring 2008

Link to the spring 2008 Syllabus Attachment from the office of the Provost:  
<http://osu.okstate.edu/acadaffr/aa/syllabusattachment-Spr.htm>

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**Phone:** 405-744-4078  
**Office hours:** MWF 10:30 – 11:20 and by appointment

**Class meeting time:** MWF 11:30-12:20PM

**Location:** Main Campus Business 101

All materials related to the course including grades will be posted on D2L at  
<http://oc.okstate.edu>.

Online access for Visual Studio 2005: <http://virtuallab1.okstate.edu>

**Java Helpdesk:** CoPSIS lab, Basement of Business building (more information of schedule to come later).

**Prerequisites:** MSIS 2203 or equivalent

## Course Overview:

This class provides an introduction to programming using Microsoft Visual Basic.Net on IBM PC and IBM Compatible computers running Windows NT 4.0(or later Operating System). Visual Basic.Net is an object-oriented event driven programming language. Business applications will be developed with GUI's (Graphical User Interface) using all of the standard GUI objects such as label boxes, list boxes, combo boxes, message boxes, dialog boxes, check boxes, option buttons, etc. The applications will be driven using event procedures. Relational database management systems (Microsoft Access) as well as traditional sequential files will be used.

## Grade determination:

There are 800 points possible, allocated as follows:

|   |                              |
|---|------------------------------|
| Midterm *Exams (2)                            | 200 points (100 points each) |
| Final Exam                                    | 200 points                   |
| In class assignments** (take 6, drop 1)       | 100 points (20 points each)  |
| Class Project***                              | 100 points                   |
| Programming Assignments**** (take 24, drop 4) | 200 points (10 points each)  |

**TOTAL POINTS**

**800 POINTS**

\* Exams will be comprised of multiple choice, true/false, matching and fill in the blank questions.

\*\* In class assignments will be unannounced.

\*\*\* Project teams will be comprised of two/three students. One group member will be responsible for submitting project files through the online drop-box. Guidelines for the class project (Project description, components, presentation content and guidelines) will be discussed in class and posted on the class website.

\*\*\*\* Programming assignments will be given every week (excluding exam weeks and Spring break week). Approximately 24 programming assignments will be given in the course of the semester. All programming assignments will have a due date and should be submitted through the drop-box in our online classroom. Late assignments will be penalized 25% each day.

**Final Grades will be assigned according to the following percentages:**

|            |   |
|------------|---|
| 90% - 100% | A |
| 80% < 90%  | B |
| 70% < 80%  | C |
| 60% < 70%  | D |
| <50%       | F |

In the event that the final point distribution is significantly lower than these numbers, some scaling may take place at the end of the semester.

**Academic Dishonesty:** Please see syllabus attachment for details

**Attendance Policy:**

Your performance in the course is strongly related to your attendance and participation in class. Students are responsible for material covered in class. There will be in-class assignments for points. Students missing classes will not be eligible for these in-class assignment points. Students with university approved excuses will be given an opportunity to complete alternative assignments for these in-class points.

**Assignments:**

All assignments must be turned in on time. No credit will be given for late assignments. Your performance in the exams and in the course will strongly depend on your timely completion of assignments.

**Required Text book and other materials:**

1. "Programming in Visual Basic.Net 2005," Bradley and Millspaugh, McGraw-Hill. ISBN:0-07-226215-X ( CD with necessary student files)
2. Scantrons and number two pencils for quizzes and exams.

**NOTE:** The instructor reserves the right to change the syllabus as needed during the term. Any changes will be provided to the student in advance. The student will be responsible for any changes.

**Tentative class Schedule:**

| <b>Dates</b>                 | <b>Topic</b>  | <b>Readings</b> | <b>Programming Assignments</b> |
|------------------------------|---|-----------------|--------------------------------|
| January 7, 9, 11             | Introduction to Visual Basic  | Chapter 1       | 1.2                            |
| January 14, 16, 18           | User Interface Design   | Chapter 2       | 2.2, 2.3                       |
| <b>January 21</b>            | <b>Martin Luther King Jr. Holiday</b>                               |                 |                                |
| January 23, 25               | Variables, Constants and Calculations                               | Chapter 3       |                                |
| January 28, 30<br>February 1 | Decisions and Conditions  | Chapter 4       |                                |
| February 4, 6, 8             | Menus, Common Dialog Boxes, Sub-Procedures, and Function Procedures | Chapter 5       |                                |
| <b>February 11</b>           | <b>Exam 1</b>   |                 |                                |
| February 13, 15              | Multi-form projects   | Chapter 6       |                                |
| February 18, 20, 22          | Lists, Loops and Printing   | Chapter 7       |                                |
| February 25, 27, 29          | Arrays  | Chapter 8       |                                |
| March 3, 5, 7                | Programming with Visual Web developer                               | Chapter 9       |                                |
| March 10, 11                 | Accessing Database Files  | Chapter 10      |                                |
| <b>March 13</b>              | <b>Exam 2</b>   |                 |                                |
| <b>March 17, 19, 21</b>      | <b>Spring Break</b>   |                 |                                |
| March 24, 26, 28             | Saving Data in Files  | Chapter 11      |                                |
| March 31, April 2, 4         | OOP: Creating Object-Oriented Programs                              | Chapter 12      |                                |
| April 7, 9, 11               | Graphics, Animation, Sound, and Drag-and-Drop                       | Chapter 13      |                                |
| April 14, 16, 18             | Additional Topics in Visual Basic                                   | Chapter 14      |                                |
| April 21, 23, 25             | Project presentations and Review of final exam                      |                 |                                |
| <b>April 28 – May 2</b>      | <b>Finals Week</b>  |                 |                                |