

SAMPLE SYLLABUS

ISMG/MCIS 5301 – Introduction to Computer Programming

Class requirements / expectations

- General knowledge of computers and ability to use Windows and common applications, such as a word processor and spreadsheet.

Description

This course teaches the basic skills of programming a computer using a high-level language and a visual development environment. It introduces data types, arrays, structures, algorithm design, control structures, loops, procedures, data abstraction, and object-oriented programming. Students are required to develop algorithms and write computer programs.

Objectives

- Able to write a significant computer program
- Able to use Visual Studio.NET for software development
- Data representation (variables, arrays, structures, files, databases)
- Program control (decisions, loops, procedures)
- Object-oriented programming
- Fundamentals of usability and human-computer interaction

Textbooks

An Introduction to Programming Using Visual Basic.NET e5, by David I. Schneider, 2003, Prentice-Hall.

Course Organization / Structure / Rules / Policies

The main content of this class is based upon class lectures, in-class programming exercises, homework assignments, and three tests. With respect to assignments and tests:

- NO LATE WORK IS ACCEPTED.
- ALL ASSIGNMENTS ARE DUE AT THE BEGINNING OF THE CLASS PERIOD.
- NO MAKEUP TESTS. If you are going to miss a test please talk to me at least 2 weeks in advance.

Current syllabus for this course may be obtained from professor. This is a sample syllabus and should not be used by students enrolled in this course.

Homework Assignments

4 to 5 homework assignments will be given, which will involve either text book problems and/or writing small programs that you will be required to run in class.

Grading and Grades

Homework Problems	25%
Test 1	25%
Test 2	25%
Test 3	25%

Details of Grade Elements

The table above summarizes grading; additional details will be provided as relevant.

Special Circumstances

If you need accommodation for a disability, provide the instructor with documentation from Student Disability Services, www.stedwards.edu/aps/sds.htm, 448-8557, 448-8660.

Weekly Class Activity

Class Schedule:

week	Agenda	Homework
1	Chap 2 – Problem Solving	Read Chap 1 & 2
2	Chap 3 – Fundamentals of Programming in VB.NET	Read Chap 3
3	Chap 5 - Decisions	Read Chap 5
4	Chap 6 – Repetition, Review for Test 1	Read Chap 6, Study for Test 1
5	Test 1	
6	Chap 7 - Arrays	Read Chap 7
7	Chap 4 - Procedures	Read Chap 4
8	Chap 8 – Sequential Files, Review for Test 2	Read Chap 8, Study for Test 2
9	Test 2	
10	Chap 10 – Database Management	Read Chap 10
11	Chap 11 – Object Oriented Programming	Read Chap 11
12	Chap 9 – Additional Controls & Objects	Read Chap 9, Study for Test 3
13	Test 3 (Final)	

THIS CLASS SCHEDULE IS SUBJECT TO CHANGE

Current syllabus for this course may be obtained from professor. This is a sample syllabus and should not be used by students enrolled in this course.