

INTRODUCTION TO PROGRAMMING Using Visual Basic 2005

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PREREQUISITE

This is an introduction to programming class. A keen interest in learning Programming. A knowledge of Windows. An ability to use a keyboard and mouse.

TEXT/MATERIALS

Text: An Introduction to Programming using MICROSOFT VISUAL BASIC 2005

Authors: Beth Brown

Softcover isbn 1-58003-112-9

Hardcover isbn 1-58003-113-7

Software: Visual Basic Express 2005 bundled with the book.

Online resources- <http://lpdatafiles.com/>

HOMEWORK/ASSIGNMENTS

Assignments are to be submitted by due date. Points will be substracted after due date. Programs will be submitted in your network folder. Programs will be accompanied by a flow chart or pseudocode. Due times will be adjusted according to student needs depending on how much time is required to fully cover Section.

TESTS

There will be a test after each chapter. This may be a traditional test or writing a program including pseudocode.

GRADING:

Programs 50% - Chapter tests 30 % - Final examination 20%

OTHER

You must do your own work. This course will include two to three days of lab on D, E, F and G days.

Any student who misses an exam will be able to make up the exam within one week of the date the student returns to class.

I reserve the right to raise or lower grades based on subjective values such as attitude, class participation, preparation, understanding of material, etc.

Reading assignments must be read prior to A day, Vocabulary will be tested on C days Exercises are due by F day.

CHAPTER	SUBJECT	ASSIGNMENT
1	Introduction to Computer Technology	Read Chapter 1 pp 1 -19 Study Vocabulary pp 24 -27
2	Introduction to Visual basic	Read chapter 2 Study Vocabulary p. 59 Page 62-66 Exercise 1, 2, 4,7
3	Variables and Constants	Read chapter 3 Study Vocabulary p. 85 Page 87 Critical Thinking 1,5, 7, 11 P89-92 Exercise 1, 6
4	Controlling Program Flow with Decision Structure	Read chapter 4 Study Vocabulary p. 118 Page 87 Critical Thinking 1,5, 7, 11 P121 Exercise 1, 7, 9
	Review Mid Term Exam	Study Chapters 1 -4
5	Controlling Program Flow with Looping Structures	Read chapter 5 Study Vocabulary p. 151-152 P155 Exercise 1, 2,17
6	Procedures	Read chapter 6 Study Vocabulary p. 189 P193-201 Exercise 1, 2, 5, 10, 13
7	Mathematical and Business Functions	Read chapter 7 Study Vocabulary p. 232 P236-242 Select one

		exercise from exercises 1 to 6 and one from exercises 7 to 14
8	Arrays and Structures	Read chapter 8 Study Vocabulary p. 263 P271 to 278 Exercise 5,11
	Review for Semester Final Exam	Study chapters 1 through 8
9	Color Sound and Graphics	Read chapter 9 Study Vocabulary p. 307 P310 to 316 Exercise 1, 2, 13
10	Creating Classes	Read chapter 10 Study Vocabulary p. 347 P351 to 357 Exercise 1, 2
	Review and Mid Term Exam	
11	Using Files	Read chapter 11 Study Vocabulary p. 383 P386 to 391 Exercise 1, 2, 10
12	Sorting and Searching	Read chapter 12 Study Vocabulary p. 406 P408 to 409 Exercise 1, 2, 4
13	MDI Applications	Read chapter 13 Study Vocabulary p. 437 P440 to 441 Exercise 1, 5
	Review chapter	Study chapters 1 - 13
	Final Examination	Create a game