

Linfield College

Syllabus

CSC150 Spring 2004

Course Description

This class incorporates the basic concepts in programming in Visual Basic dot NET, problem solving, programming logic, as well as the design techniques of an object-oriented, event driven language. Topics are presented in a sequence that allows the student to learn how to deal with a visual interface while acquiring important programming skills such as creating projects with objects, decisions, loops, and data management. A high priority is given to writing applications that are easy for the student to understand and to use. Students are presented with interface design guidelines throughout the course.

Credits: 3

Instructor: Hassan A. Rasheed
7760 SE Cypress Avenue
Milwaukie, Oregon 97267
(503) 722-8948
HassanARasheed@aol.com

Required text: Julia Case Bradley, et al: Programming in Visual Basic .NET.

Software: Visual Studio.NET

Objective:

By successfully completing the course the student will :

- a- Understand the Visual Studio programming environment.
- b- The student will be able, with minimum supervision, design, implement and install a medium sized program.
- c- The student will demonstrate mastery of completing a program on his or her own.
- d- The student will be familiar with terms, concepts and methodologies of software programming.

Grading:

- 1- Grading will be based on performance on assignments, short quizzes and class project.
- 2- Assignments will comprise 25% of final grade.
- 3- Quizzes will comprise 25% of final grade.
- 4- Class project will comprise 25% of final grade.
- 5- Labs will comprise 25% of final grade.
- 6- Grading scale:

95-100	A
90-94	A-
85-89	B+
80-84	B
75-79	B-
70-74	C+
65-69	C
60-64	C-
50-59	D
0-49	F

Course project:

The course project will dominate your activities during this semester. You are to select a project from home of work. If you can't find a project of your own you will be given a project to work on.

Objective of the project is two fold.

- 1- Better understanding of a Visual Basic.NET program from inception to graphical user interface design, coding, debugging and testing.
- 2- Apply the tools and techniques of Visual Basic.NET to small to medium projects with little supervision.

Milestones:

The class project will be divided into deliverables according to the course schedule.

Course schedule: Each class will be divided into 2 hours lecture and 1.5 hours lab.

Class	Chapter	Pages	Activities	Project and other deliverables
1	1	1-56	Lecture, lab	
2	2	63-87	Quiz, lecture, lab	Project documentation, Hmwrk
3	3	95-128	Quiz, lecture, lab	GUI, Hmwrk
4	4	143-183	Quiz, lecture, lab	Hmwrk
5	5	197-222	Quiz, lecture, lab	Hmwrk
6	6	239-273	Quiz, lecture, lab	Hmwrk
7	6			
8	7	291-316	Quiz, lecture, lab	CODE, Hmwrk
9	8	333-358	Quiz, lecture, lab	Hmwrk
10	9	373-391	Quiz, lecture, lab	Hmwrk
11	10	399-442	Quiz, lecture, lab	Hmwrk, DEBUG
12	11	451-471	Quiz, lecture, lab	Hmwrk
13	12	483-504	Quiz, lecture, lab	Hmwrk
14	13	511-536	Quiz, lecture, lab	Hmwrk
15				Hand in project

Hand in format: Pages are to be typed, stapled and numbered. First page to have: CSC150
Name
Class
Subject

Late Work:

Late work is not acceptable unless there is a valid excuse.

Participation:

Participation will be judged based on class projects and labs completed.

Preparations:

Study each chapter before coming to class.

Disabilities:

Students with documented disabilities who may need accommodations, who have any emergency medical information the instructor should know of, or who need special arrangements in the event of evacuation, should make an appointment with the instructor as early as possible, no later than the first week of the term.

Ethics: If an assignment has evidence of cheating or plagiarism it will be null and void.