

MIDSTATE COLLEGE
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SP2005

Course number & Name: CIS 230 - Visual Basic Programming II

Credit hours: 4

Method of Delivery: Classroom

Text(s) & Manual: Programming Microsoft® Visual Basic® .NET, ISBN: 0-7356-1375-3

Author: Francesco Balena

Publisher: Microsoft Press

Prerequisite: CIS 130 Visual Basic Programming I

Course Description: The student will learn advanced programming techniques using the current version of Microsoft Visual Basic. Students will learn printing with Microsoft Visual Basic, one-dimensional and two-dimensional arrays, collections and Object-Oriented Programming techniques while creating objects and classes. A lecture period will be followed by instructor-assisted lab time to provide students with hands-on learning experience.

Participation requirement/policies and procedures/requirements to pass the course:

- 1) **Assignments:** All homework is to be turned in with your name, date, and the name of the assignment at top. 70% is the highest score that late or make up work can earn. No make up work is accepted during finals week.
- 2) **Attendance:** Regular attendance is expected. It is the student's responsibility to notify the instructor when a class will be missed. If you know of a conflict ahead of time, you are welcome to submit projects early
- 3) **Exams:** Must be taken on the dates scheduled by the instructor. Failure to take an exam on the scheduled date will result in a grade of "F" (0 points). Make-up exams will be given only when special circumstances are approved by the instructor. Make-up exams must be taken in the testing center. It is the student's obligation to make the appropriate arrangements to have a test administered.
- 4) **Behavior:** Cell phones / beepers are prohibited from use in this course.
- 5) **Academic Dishonesty:** Plagiarism and cheating are serious offenses and may be punished by failure on exam, paper or project; failure in course; and/or expulsion from the college. For more information refer to the "Academic Dishonesty" policy in the student handbook.
- 6) **Grades:** It is the students' responsibility to keep copies of all assignments turned in for a letter grade until the end of the quarter when a final grade has been earned. If a document is lost and no copy is available, the student will not receive credit.

- Course Objectives:** Upon completion of this course, the student will be able to:
1. Divide an application into logical units using modules.
 2. Understand and use arrays and collections.
 3. Read from and write to text files.
 4. Understand and utilize ADO.Net
 5. Deploy a Visual Basic .NET Application.
 6. Manage multiple forms in an application
 7. Perform simple GDI functions
 8. Create a base class
 9. Inherit from existing classes

Midstate Grading Scale:	90-100	A
	80-89	B
	70-79	C
	60-69	D
	0-59	F

The date of creation/revision: Saturday, February 19, 2005

Instructor Information: Craig W. Cooper M.S.
 If you have questions my e-mail addresses are:
ccooper@midstate.edu (School, preferred)
Craig.Cooper@ChoicePoint.net (Work)

Materials needed for this course: Internet Access, diskette(s)

Participation Requirements/Polices and Procedures: All students are expected to join in discussion during class lecture periods.

Assessment of learning/Methods of evaluating student performance: Evaluation will be done through a combination of classroom interaction, homework assignments and examinations.

Grading Specifications:	Quizzes	10%
	Homework	30%
	Class Participation	20%
	Exams	40%

Examination Information: The quizzes and exams will be a combination of fill-in the blank, true/false, multiple-choice questions, and a hands-on practicum.

Visual Basic Programming II Course Outline

Note: This is a tentative outline. We may slow down or accelerate the schedule depending on the level of class expertise demonstrated in the first two weeks. All projects should be completed before the end of each lab session.

Class Date	In Class Review Topic	Read Chapter
23-Feb	Visual Basic I Review and Course Overview	
2-Mar	Using Modules and Procedures	
9-Mar	Using Arrays and Collections to Manage Data	
16-Mar	Exploring Text Files and String Processing	
23-Mar	Spring Break (No Class)	
30-Mar	Structured Error Handling	
6-Apr	Adding Graphics and Animation Effects	
13-Apr	Managing Windows Forms	
20-Apr	Inheriting Forms and Creating Base Classes	
27-Apr	ADO.Net	
4-May	ADO.Net	
11-May	Deploying Visual Basic .NET Applications	
18-May	Final Exam	