

10/1/03

MASTER SYLLABI
MINNESOTA SCHOOL OF BUSINESS
GLOBE COLLEGE OF BUSINESS
TECHNICAL COURSE SYLLABUS

COURSE NUMBER:	SD160	COURSE TITLE:	PRINCIPLES OF VISUAL BASIC
COURSE LENGTH:	12 WEEKS	CREDIT HOURS:	4
PREREQUISITES:	SD110	CONTACT HOURS:	60 (LECTURE 20/ LAB 40)

TEXT: BEGINNING VB.NET, *Blair, Crossland, Reynolds, Willis*, Wrox Publisher
ISBN 0-7645-4384-9

COURSE DESCRIPTION: COURSE DESCRIPTION: This course provides the student with an understanding of the methods of computer programming. The student will learn to program windows applications and databases using Visual Basic .NET in the Windows environment.

OBJECTIVES: Upon completion of this course students will be able to:

1. Program in the Windows environment.
2. Utilize common objects including, forms, text boxes, labels and command buttons
3. Create and use class properties, methods, and events
4. Perform string and number manipulation in Visual Basic .NET.
5. Use dialog boxes
6. Create menus
7. Use logic statements such as *If...Then*
8. Use looping routines to process lists of data
9. Create and use data structures
10. Add graphics to forms
11. Debug Visual Basic .NET programs
12. Access and program databases using SQL and ADO.NET
13. Create executable files

COURSE OUTLINE:

	Topic/s & Class Activities	Required Reading
Week 1:	Topics: Introduction to Visual Basic.NET; Writing Software Homework: Read Chapter 1 and Chapter 2. Do instructor-assigned exercises	
Week 2:	Topics: Controlling the Flow Homework: Read Chapter 3. Do instructor-assigned exercises	
Week 3:	Topics: Building Objects Homework: Read Chapter 4. Do instructor-assigned exercises	
Week 4:	Topics: Microsoft .NET Framework, Working with Data Structures Homework: Read Chapter 5 and Chapter 6. Do instructor-assigned exercises	

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- Week 5:** Topics: Building Windows Applications
Homework: Read Chapter 7.
Do instructor-assigned exercises
- Week 6:** Topics: Mid-term Exam
Homework: Review for exam
- Week 7:** Topics: Creating Menus,
Debugging and Error Handling
Homework: Read Chapter 9 and Chapter 11
Do instructor-assigned exercises
- Week 8:** Topics: Programming Custom Graphics
Homework: Read Chapter 14.
Do instructor-assigned exercises
- Week 9:** Topics: Accessing Databases,
Database Programming with SQL Server and ADO.NET
Homework: Review Chapter 15 and Chapter 16.
Do instructor-assigned exercises
- Week 10:** Topics: Programming with SQL Server and ADO.NET
Homework: Read Chapter 16.
Do instructor-assigned exercises
- Week 11:** Topics: Visual Basic .NET and XML
Homework: Read Chapter 18.
Do instructor-assigned exercises
- Week 12:** Topics: Final Exam
Homework: Review for exam

INSTRUCTIONAL METHODS: The instruction will be delivered primarily by lecture, discussion, practice programming problems and projects. Programming using a computer in class is an essential part of the instruction.

EVALUATION METHODS:

- Class Participation:* Subjective evaluation, by the instructor on the student's contribution to classroom (10%).
- Homework/Projects:* Objective evaluation on part of instructor on the student's ability to complete an exercise demonstrating mastery of course content according to specifications given (40%).
- Mid-term Examination:* Evaluation of 40-60 question objective exam, along with a portion of the exam that is practical application. Students must answer at least 60% correctly to pass the exam (30%).
- Final Examination:* Evaluation of 40-60 question objective exam, along with a portion of the exam that is practical application. Students must answer at least 60% correctly to pass the exam (20%).

Class Participation	10%	
Homework/Projects	40%	
Mid-Term Examination		30%
Final Examination	20%	

GRADING:

A = 90% or better of possible points, B = 80-89% of possible points, C = 70-79% of possible points, D = 60-69% of possible points, Failing = less than 60% of possible points.