

A: Division: **INSTRUCTIONAL** Date: **FEBRUARY 1998**
 B: Faculty: **COMMERCE AND BUSINESS ADMINISTRATION** New Course:
 Program: **COMPUTER INFORMATION SYSTEMS** Revision of Course Information form: **MAY 1997**

C: CISY 210 D: VISUAL BASIC I E: 3
 Subject & Course No. Descriptive Title Semester Credit

<p>F: Calendar Description: This course covers Visual Basic 4.0. It includes form design, control manipulation, properties management as well as programming methods used in Visual BASIC. Public and private sub routines, user and built-in functions, as well as variables and their scope are discussed.</p>	<p>Summary of Revisions: 1998-02 Section: I 1997-05 Sections: D,F,N,O,P,R</p>
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G: Type of instruction: Hrs per week

Lecture:	2	Hrs.
Laboratory:		Hrs.
Seminar:	2	Hrs.
Clinical Experience:		Hrs.
Field Experience:		Hrs.
Practicum:		Hrs.
Shop:		Hrs.
Studio:		Hrs.
Student Directed Learning:		Hrs.
Other (Specify)		
Total:	4	Hrs.
Semester Total (4 x 15 wks):	60	Hrs.

H: Course Prerequisites:
CISY 110

I: Course Corequisites:
nil (Except for CISY program student, CISY 110 will be allowed as a co-requisite)

J: Course for which this Course is a Prerequisite:
CISY 510

K: Maximum Class Size:
35

L: College Credit Transfer X
 College Credit Non-Transfer
 Non-Credit

M: Transfer Credit:	Requested: <input checked="" type="checkbox"/> X
	Granted: <input type="checkbox"/>

Specify Course Equivalents or Unassigned Credit as appropriate:

BCOU CPSC (3)
 SFU
 UBC CPSC 1st (3)
 UNBC
 UVIC CSC 100 level (1.5)
 Other: MALA CSCI (3)
 UCC COMP (3)

R. Coolidge
 Course Designer(s): R. Coolidge

J. Sator
 Dean: J. Sator

J. McKendry
 Vice-President/ Instruction: J. McKendry

P. Angus
 Registrar: P. Angus

N: TEXTBOOKS AND MATERIALS TO BE PURCHASED BY STUDENTS

Peter Wright The Beginners Guide to Visual Basic 4.0. Latest Ed. Wrox Press.

Optional: Webb, McKelvy, Martinsen, Maxwell and Regelski. Using Visual Basic 4 Special Edition, Latest Ed. QUE.

O: COURSE OBJECTIVES

The student will be able to:

1. understand the concepts of logic preparation;
2. work with Visual Basic Forms, ToolBox controls and Properties;
3. recognize the benefits of both procedural and event driven languages;
4. understand the basics of GUI design;
5. be competent to design and create Windows programs using Visual Basic;
6. Create several Visual Basic programs

P: COURSE CONTENT

1. Introduction to Visual Basic 4.0.
2. Visual Basic's Common Controls.
3. Variable types, variable conversions, strings and arrays.
4. Creating Visual Basic drop-down menus.
5. Dialog boxes in Visual Basic.
6. Visual Basic Graphics.
7. Accessing Data Base Controls.
8. Connecting Visual Basic through the Jet engine.
9. Recordset objects.
10. Handling database data; list controls;

11. Displaying information in a list control or combo box.

Q: METHOD OF INSTRUCTION

The VISUAL BASIC Programming Language concepts and techniques will be discussed and demonstrated in class. The students will design, code, key and execute their programs.

R: COURSE EVALUATION

Lab Assignments	25%-40%
Quizzes	10%-25%
Midterm Examination	20%-30%
Final Examination	<u>0%-30%</u>
	<u>100%</u>

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