SUNY Orange   SYLLABUS

51113 Basic Programming

1 lect., 2 lab., 2cr.(Fall)

An introduction course in scientific computer programming with a structured and object-oriented language such as Visual BASIC. Programming techniques include branching, E-notation, looping, input, output, tables (subscripts), looping, input, output, tables (subscripts), arithmetic statements, simulations, multiple branching, functions, matrices, flow charting documentation.
Prerequisite: One year of college preparatory mathematics

TEXT AND MATERIALS:

Text: Essentials of Visual Basic 6.0 Programming Author: David I Schneider
Materials: 3 ring notebook-2 – 2 1/2" in diameter
Two floppy diskettes

RELATIONSHIP TO PROGRAMS:

Most students will use as elective credit. But required in the Radiologic Technology Program, AAS. You should refer to the OCCC catalog, which contains complete, authoritative information.

COURSE OBJECTIVES:

The goal is to introduce the student to a first computer programming language. In this
  case an object oriented language for example Visual Basic. A student will learn basics
  such as data, input, output, calculate, tables, subroutines and do a project.

GRADING SYSTEM:

Term Average
Course Average: ½ Laboratory Average + ½ (Projects, Tests, & Notebook) Average.

INSTRUCTOR OFFICE HOURS: -- TBA

ATTENDANCE AND WITHDRAWAL:

Perfect attendance is simply assumed in this course. Without such attendance and dedication to the homework one will not be successful. The student's grade will reflect any lack of attendance, simply because of the difficulty of the material. It is the student's responsibility to speak with the instructor and withdraw from the course if things are not going well. The instructor will **not** initiate the withdrawal. An early consult with the instructor can save a great deal of later confusion.

SUPPORT SERVICES:

Open Computer Lab. The computer room, Harriman Hall 309, is open for students at anytime. Open 40 hours a week plus Monday thru Thursday nights. It is an Open computer lab with no lectures given in the lab. So any unused computer is for student use.

There are services available for students with disabilities. Any such conditions should be communicated privately to the instructor on the first day of class so that any necessary special arrangements or accommodations can be made.

SYLLABUS
51-114

WEEK TOPIC   CHAPTER

1.	Visual Basic, Numbers, Strings Print, Let, End, Cls	
2.	Text Box, Label Box Expression, Let =,	
3.	Properties Box List & Table Form	
4.	Event Procedure	
5.	String Functions	
6.	Input, Text Box, NotePad, Input#	
7.	Decisions	
8.	Do Loops	
9.	For Next Loops	
10.	Procedures, Sub Proc…	
11.	Array's 1-dim	
12.	Array's 2 -dim	
13.	Graphics	
14.	More Controls	
15.	Frame Control, Check Box, Option Button, List	
16.	Final	