**Course Outline**

Class**: Computer Programming II**

Text**: Using Visual BASIC** by M. Sprague. Southwestern

Segment 1 (week 1-4): Ch. 6-8

Graphics (Twips, Pixels, Picture Box, and Image Box)

Saving and retrieving binary files

Coordinate systems( scalemode and pset)

Color, Lines, and Circles ( Boxes and Ellipses)

Menu control arrays w/ checked and enabled properties

Select Case

Code modules

Projects: Magic Number (HI/LOW)

Quadratic/Linear Intersection

Cafeteria (Bar and Circle Graph)

Segment 2 (week 5-8): Ch. 9-10

File Handling

Sequential(text), Binary(bytes), and Random(records)

User-Defined Data Types

Open, Put, Get, Close, Kill and EOF

Error Handling

Arrays of Randomly Generated Letters and numbers

Sorting(Exchange, Bubble, and Comb)

Projects: Dice

Phonelist (Add, Save, Open, List All)

Phonelist (List One at a Time (Rolodex))

Phonelist( Change and Delete)

Sort( How fast?)

Segment 3 (week 9-12): Ch. 10 and 13

Searching (Linear and Binary)

Mid$( Breaking up of strings)

Multiple Document Interface

Advanced Graphics

Option Buttons, Check Boxes, and Frames

Projects: CD List

Car Program(Mid$)

Car Option Program(Output/Input)

Drawing Program

Employee(Records, Payroll, and Inventory)