

Name of School:

Name of Course: **Advanced Visual Basic**

Instructor Information

Name:
E-mail address:
School phone number:
Web page address:
Best times to be reached:

Course Description

This course is designed for the student who has successfully completed the Visual Basic Programming course. This course will provide the student with more advanced topics in Visual Basic. The course introduces looping structures and MenuStrips. Students will also be exposed to Web applications using Splash Screens with ActiveX ComboBox controls. Students will also create and design Smartphone applications.

District Standards and Power Benchmarks

Power Standards.

1. Acquire knowledge and effectively demonstrate technology skills by thinking creatively, solving problems, and communicating.
2. Understand ethical and legal uses of technology.
3. Apply technology skills across the curriculum.
4. Aware of career and post-secondary opportunities involving computers and technology.

Power Benchmarks:

1. Student will be able to design an application using looping structures
2. Student will be able to create a MenuStrip into an application.
3. Student will be able to design an application that utilizes counters and accumulators.
4. Student will be able to design an application that utilizes compound operators.
5. Student will be able to create a dynamic Web application using Visual Basic.
6. Student will be able to design a Web application utilizing validation controls.
7. Student will be able to design an application using procedures and functions.
8. Student will be able to create a Splash Screen using an ActiveX ComboBox control.
9. Student will be able to create and code a Smartphone application.
10. Student will be able to design a Smartphone application that displays MessageBoxes.

Course Information

This is a one-term course. Upon completion, student will receive .5 unit of credit to be used toward their district requirement of 26. Prerequisite is Visual Basic Programming 2005. It is recommended that students be proficient at the keyboard and have taken Algebra.

Course Outline/Calendar

Chapter Six – Loop Structures (Approximately 10 days)
Chapter Seven – Creating Web Applications (Approximately 10 days)
Chapter Eight – Using Procedures and Exception Handling (Approximately 10 days)
Chapter Twelve – Cell Phone Applications and Web Services (Approximately 7 days)

Text/Other Required Materials/Resources

Shelly-Cashman-Hoisington, Microsoft Visual Basic 2005 for Windows, Mobile, Web, Office, and Database Applications, Comprehensive, Course Technology, 2007.

Instructional Procedures & Support

Teacher Model/Demonstration with class participation.
Independent Programming.
Student Collaboration Programs
Read Aloud
Guided Practice
Learn It Online
All programming will be done in class. If a student falls significantly behind, or has makeup work, arrangements will need to be made to come in before or after school.

Classroom Management Procedures

No food or drink is permitted in the computer lab.
Do not change the computer settings or the desktop display in any way.
No chatting on line, reading/receiving e-mail, and message boards
No downloading or unauthorized Internet use.
No game playing.
No changing desktop screen will be allowed.
Documents will be saved only to the e-lockers.
No personal software, CD's, floppy disks or pen drives.
Do not deface or vandalize the computer hardware.
All work must be done in the business computer lab.

Assessment Plan

Chapter Quizzes
Chapter Test
Chapter Case Programs
Various Learn It Online and Program Analysis

Grading System

90 – 100 A
80 – 89 B
70 – 79 C
60 – 69 D
0 – 59 F