

**THREE RIVERS COMMUNITY COLLEGE
COURSE OUTLINE**

Course Number/Title: CSC K207 Intro to Visual Basic
Prof. George Volkov Spring 2010
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Lecture: 3 hrs Laboratory: 2 hrs Credits: 4 hrs Contact: 5 hrs

Course Description: This course is designed to provide the student with rapid application development technology using Microsoft Visual Basic 2005 software. Topics include GUI controls, event handling, graphics, exception handling, file I/O, data base access, and an introduction to ASP.NET applications and XML web services.

Method: Lecture and Lab using the PCs.

Text: Programming in Visual Basic 2008, 7th Edition by Julia C. Bradley and Anita C. Millsbaugh, ISBN # 978-0-07-351720-9

Prerequisite: CSC K108 – Intro to Programming and MAT K095 – Elementary Algebra

COURSE TOPIC/CONTENT

An Introduction to Visual Basic Environment	2.0 hrs
Fundamentals of Designing VB Applications:	
Visual Basic Objects/Controls	1.5 hrs
Visual Basic Events	1.5 hrs
Basic Language Introduction/Review:	
Using Variables and Constants	1.5 hrs
The Selection Structure	2.0 hrs
The Repetition Structure	2.0 hrs
Error Trapping	2.0 hrs
Variable Arrays	2.5 hrs
String Manipulation	1.5 hrs
Visual Basic Fundamentals:	
Control Arrays	2.5 hrs
Multiple Forms/Menus	2.0 hrs
User Dialog Boxes	2.0 hrs
File Operations:	
Sequential Access Files	2.0 hrs
Applications of Sequential Access Files	3.0 hrs
Advanced Topics:	
Complex Controls	2.0 hrs
Graphics	2.0 hrs
Database Access	2.0 hrs
Applications of Database Access	2.0 hrs
Intro to Object-Oriented Programming	2.0 hrs
Simulation Examples	2.0 hrs
Total	40 hrs