

Spring 2019

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| **Division:** Business & Learning Support  **Department:** Computers and Information Systems  **Course: CIS-180-I010 – Intro to Visual Basic** | PCS Code: 1.2 **IAI:** None |

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| **Instructor:**  Chuck Konkol  **Email:**  c.konkol@rockvalleycollege.edu  **Office Phone:**  815.921.3164  **Office Location:**  WTC BUILDING, ROOM 2222  **Office Hours:**  M: 3:30-4:30 P.M.  T: 3:30-4:30 P.M.;6-7 P.M.  TH: 3:30-4:30 P.M.;6-7 P.M | **Course Description:**  This is an introductory course designed for students and professionals with little or no Visual Basic or Windows programming experience. The student will learn the BASIC language syntax, event-driven programming, and logic structures used in programming. Topics such as Windows programming standards and conventions, database programming, array processing, controls, properties, methods and events will be discussed. | | |
| **Course Prerequisite:** PCT 101 or CIS 102 or equivalent computer experience.  None | | |
| **Credits:**  4 | **Lecture:** 4 | **Lab:** 0 |
| **Method of Delivery:** | | |

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| **COURSE OBJECTIVES**  Upon successful completion of this course, the student will be able to: | | Institutional Student  Learning Outcomes | | | |
| Analytic Reasoning | Communication | Global Awareness & Responsibility | Personal Responsibility |
| Course Objectives | |
| 1 | List the steps for program development of a Visual Basic application. | x |  |  |  |
| 2 | Create and interpret commonly used design tools such as flowcharts, pseudocode or structure charts. | x |  |  |  |
| 3 | Design and create a graphical user interface to be used with Visual Basic. | x |  |  |  |
| 4 | Create and manipulate string and numeric variables and constants. | x |  |  |  |
| 5 | Use arithmetic functions and operations within a Visual Basic program. | x |  |  |  |
| 6 | Create, run and test a Visual Basic application program with subprocedures and user-created functions, which access sequential data files and databases. | x |  |  |  |
| 7 | Include output within an event procedure to messages boxes and controls on a form. | x |  |  |  |
| 8 | Design and code sequence, selection and iteration logic structures in Visual Basic. | x |  |  |  |
| 9 | Manipulate one-dimensional arrays. | x |  |  |  |

**Readings and Supplies**

Required:

1. Instructor created workbook
2. Instructor created screencasts
3. Computer with Internet Access

Recommended: 2 GB Thumb Drive

Software

The course compiler is the Microsoft Visual Studio Community Edition. We will us it in programming assignments, quizzes, and exams. You must be able to create programs, projects.

We will be using the online compiler Repl.it

**Method(s) of Student Assessment and Grading Criteria**

Student assessment methods may include some or all of the following:

1. Weekly Quizzes
2. Weekly Hands-on Lab Assignments
3. Weekly Review Questions
4. Final Project App

Grades in this class will be determined by the 10 point scale.

A - 90 % of the average of the best scoring students in the class B - 80 %

C - 70 %

D - 60 %

F – 59 % and below

**Course Procedure/Expectations**

Students are expected to turn in all assignments on time. If not able to do so, please communicate your issues/road blocks to instructor.

**Course Success**

1. Read and do any assigned reading and examples before attempting review questions, discussion, or assignments.
2. You should carve out at least 5-6 hours to complete your assignments. If you get stuck do the following:
   * 1. Read the section of assigned reading which covers the area you are having issues with
     2. take a short break
3. Ask for my help ONLY after you have exhausted a, b, and c from step 2 above.

**Detailed Weekly Topic Outline/Schedule**

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| Week | Topic | Assignment |
| Week 1 | Introduction to Visual Basic | Reading, Hands-On Lab, Quiz |
| Week 2 | User Interface | Reading, Hands-On Lab, Quiz |
| Week 3 | Basic Code Logic | Reading, Hands-On Lab, Quiz |
| Week 4 | Adding Controls | Reading, Hands-On Lab, Quiz |
| Week 5 | List Boxes | Reading, Hands-On Lab, Quiz |
| Week 6 | Pictures & Data | Reading, Hands-On Lab, Quiz |
| Week 7 | Variables, Arrays & Math | Reading, Hands-On Lab, Quiz |
| Week 8 | Sub & Function Procedures | Reading, Hands-On Lab, Quiz |
| Week 9 | Arrays | Reading, Hands-On Lab, Quiz |
| Week 10 | String Manipulation | Reading, Hands-On Lab, Quiz |
| Week 11 | Structures and Sequential Files | Reading, Hands-On Lab, Quiz |
| Week 12 | Create App of Your Choice | Reading, Hands-On Lab, Quiz |
| Week 13 | Create Simple Web App | Reading, Hands-On Lab, Quiz |
| Week 14 | Work on Final App | Work on Final App |
| Week 15 | Work on Final App | Work on Final App |
| Week 16 | Present Final App | Present Final Project |

**Final Exam Date and Time:** Online Course

**Last Day to Withdraw from the Course with a Grade of “W”:** Friday, April 12th 2019.

**College Policy on Academic Honesty Standards and Procedures**

Academic Honesty Statement:

The faculty and administration expect that RVC students are enrolled in courses as serious and honorable scholars. Furthermore, students are expected to do their own, original work, except when collaboration on projects is directed by faculty as part of the course or specific assignment. Students are expected to observe the commonly accepted standards of academic honesty at all times.

Students who commit any of the forms of academic dishonesty as outlined in the *RVC Student Handbook* are subject to the penalties and sanctions agreed upon by the Faculty and Administration of Rock Valley College. Detailed procedures regarding academic dishonesty are given in the RVC Student Handbook. In addition to the penalty assigned by a faculty member, a report of the alleged violation and assigned penalty will be made to the Dean of Students Office.

**Notification of Services for Students with Disabilities**

If you have a documented disability and would like to request accommodation and/or academic adjustments, please contact the Disability Support Services office. You should make contact as soon as a need for accommodation is known so that implementation can occur as soon as possible. The Disability Support Services Office is on the lower level of the Student Center. The telephone number for this office is 815-921-2371 v/tty.

**Early Alert Messaging**

College students often encounter setbacks from time to time that can impact academic performance. If you encounter difficulties and need assistance, I encourage you to contact me. I will do my best to support your success during the term, including identifying concerns I may have about your academic progress or well-being through Early Alert. With Early Alert, faculty members can confidentially connect you to our Personal and Success counselor who offers support and assistance to help students get back on track to success. Early Alert does not affect your academic record. For more information about Early Alert and/or addressing mental or physical health concerns, including seeing a RVC counselor, please contact 815-921-4101.

**Electronic Devices Policy**

Electronic devices are only allowed in the classroom under the following conditions:

1) for academic purposes as approved by the instructor, or

2) as an approved accommodation for a student with a documented disability.

**Instructor’s Withdrawal Policy**

Instructors may only withdraw students at midterm. If a student is not actively attending and/or participating in the course as determined by the instructor, the student may be administratively withdrawn at mid-term. If a student is administratively withdrawn, the student will be given a “W” on their transcript with no impact on their grade point average; however, this "W" may impact financial aid. If the instructor does not administratively withdraw a student who is not actively attending/ participating, an "F" will appear on the student's transcript; this will impact the student's grade point average, as well as financial aid.  Students who are administratively withdrawn who wish to continue in the course can be reinstated with the permission of the instructor.

In this course, the instructor…



Students can withdraw themselves any time prior to the withdrawal deadline listed on the syllabus. Withdrawals must be done in person at the Records & Registration Office**.**

**DISCLAIMER**

Insert a disclaimer that the contents of the syllabus may change if cirumstances warrant. For example: Certain circumstances may require some changes to this syllabus. If such circumstances occur, updates to this syllabus will be provided by the instructor.