

COURSE SYLLABUS

Spring 2010

January 11, 2010 to April 30, 2010

Online Course

Visual Basic

IT 20503 and IT 30503

Evans School of Business

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COURSE DESCRIPTION:

Object orientated programming principles will be studied and implemented with Visual Basic.Net or later software. The course will emphasize programming for business applications. Course fee required.

Prerequisite: IT 10203. SP

PREREQUISITES: N/A

CREDIT HOURS: 3 credit hours

TEXTBOOK AND OTHER REQUIRED MATERIALS:

Programming with MS Visual Basic, ZAK, 1-4188-3674-5
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PROGRAM OUTCOMES: The following outcomes have been adopted for the degree program for which this course is required:

Students will:

- Develop the student's thought processes...to think clearly, reason logically, arrive at one's own conclusions through one's own observations, interpret data, analyze situations, evaluate evidence, discover principles, resolve problems, read rapidly with understanding, do research, stimulate his/her creative powers, to express one's ideas orally and in writing.
- Develop good problem solving technique...the ability to think critically, evaluate evidence, apply principles of the Scientific Method, and solve problems.
- Form the students with ethical and social responsibility values and leadership qualities conducive to success...basic honesty, individual responsibility, reliability, self-discipline,

perseverance, interpersonal cooperation, social awareness, and a spirit of hard work, sacrifice and dedication to spiritual values, country, community, family, and neighbor.

- Develop the student's research & communication skills through written reports & papers, oral presentations, and class discussion so that the student will some day be able to sell his ideas to superiors, peers, and subordinates in reports and presentations in business meetings, conferences, and training sessions.
- Develop competent managers and leaders for governmental, non-profit, and business organizations to effectively serve society by productively satisfying its needs.
- Inculcate an understanding of how each Business area is affected by the global economy.
- Develop and train the student to be a quality product of the University of Rio Grande, equipping him/her with the basic tools in Accounting, Economics, Management, Finance, Marketing, International Business, and Information Technology.

COURSE OUTCOMES: The following outcomes have been adopted for this course. *All outcomes listed below have direct relevance to course material. Upon completion of this course students are expected to:*

Goals and Objectives of Course:

- Use the Visual Basic Editor
- Use the object model
- Understand variables Understand and use String Variables
- Understand and use Date Variables
- Understand Numeric Variables and how they are used
- Understand the Selection Structure
- Understand the Select Case Statement and the what the MsgBox Function is
- Use For...Next, For Each...Next, and with Statements
- Understand and use the Do Loop Statement and String Functions
- Create Built-in Dialog Boxes and the Office Assistant
- Create Custom Dialog Boxes
- Use Option button, Check box, and List Box Controls
- Use macros to automate programs and procedures

Learning Outcomes:

Students will:

- o Use Visual Basic
- o Demonstrate how the object model works
- o Use Variables and string variables in a program
- o Use Date variables in a program
- o Use Numeric variables in a program
- o Use Selection structure to solve a problem
- o Create and use a message box and a case statement
- o Demonstrate how to use the Do loop and string functions

- o Create and use a built-in dialog box and a custom dialog box
- o Use option buttons, check boxes and list box controls within a program

GRADING

POLICIES/TESTING/ASSIGNMENTS/ATTENDANCE/EXPECTATIONS

Grade calculation

Grading:

Attendance/Participation	(communication with instructor) 10%
Homework Assignments	30%
Midterm	30%
Final Project	30%
90% and Above	A
80 to 89%	B
70 to 79%	C
60 to 69%	D
Below 60%	F

Exams: Final is assigned as a project. Midterm is assigned as a project.

Assignment #1, #2, #3, etc. Please see assignments listed at the end of the syllabus. The courses are broken out into 8 modules. Please allow two weeks for each module. You can complete in 8 weeks, by doing one module per week. The schedule is your choice—either 8 weeks or 16 weeks.

Ethics: Statement of Academic Integrity

As educational institutions, the University of Rio Grande and Rio Grande Community College seek to nurture a high standard of academic honesty and integrity in students, faculty, and staff. All persons are expected to present and represent their own original work and to fully and properly credit sources of information used in the preparation of their own original work. Any person committing an act of plagiarism, cheating, attendance fraud, or other form of academic dishonesty is subject to the fullest measure of consequences, including course failure and suspension. Students caught committing an act of academic dishonesty will receive an automatic failing grade for the course and will not be allowed to drop that course. Repeated violations will subject the student to automatic academic suspension with failing grades for not less than one academic year. Failing grades assigned because of academic dishonesty will not be eligible for forgiveness under the Academic Policy.

Assignments:

Detailed assignments will be made during each section of study. Assignments must be completed by the student with a minimum amount of assistance. Copying assignments will result in a failing grade for the class. The assignments will require a substantial amount of work on a computer that has the software being used in this class. This class will use the Microsoft Office 2003 Suite of programs including: Word, Excel, Access, PowerPoint, FrontPage and