

Reedley College  
Spring 2010  
1/11/10 – 5/21/10

Course: **IS 47 - 51882 – VISUAL BASIC**  
Class Meets: TTh, 2-3:50pm – BUS 49  
Instructor: Daniel Morales, BS/MS  
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Phone: 559-638-3641 ext.3264 (if no answer: leave a detailed message)  
Office Hours: Room Bus 47: Mondays, Wednesdays, Fridays 8-9am, Thursdays 4-5pm or by appointment

Text Books and Study Material:

1. Microsoft Visual Basic 2008 Reloaded, 3rd Edition. Author: Diane Zak. ISBN: ISBN-10: 1-4239-0250-5 | ISBN-13: 978-1-4239-0250-8
2. USB flash drive

1. **Course Description and Information:**

This course provides an introduction to programming in Visual Basic. Students will develop computer programs using the Visual Basic programming language in Windows®-based computers. The course emphasizes planning, designing, writing, testing, debugging, and documenting Visual Basic programs.

2. **Course Learning Objectives and Outcomes:**

- A. understand programming approaches—top down, structured, and object oriented
- B. comprehend the following concepts of Visual Basic:
  1. integrated development environment
  2. classes and objects
  3. controls and their properties and methods
  4. built-in functions
- C. plan and design Visual Basic computer programs
- D. write, test, and debug computer programs using Visual Basic programming language
- E. create Visual Basic executable files
- F. document Visual Basic computer programs
- G. work in groups to complete assigned class projects

**Outcomes:**

- A. design and develop simple to moderately complex Visual Basic computer programs.
- B. document Visual Basic computer programs and designs.
- C. correct errors of Visual Basic programs.

3. **Attendance:** Attendance is required and the instructor reserves the right to take roll at any time during the duration of the class period. To achieve successful completion of the course, it is critical for the students taking this course to attend all classes. I will drop you if you have more than six unexcused absences or if you have missed class for two weeks in a row. I will allow three excused absences. An excused absence is one where the student has given the instructor prior notice of the absence.
4. **Learning Methods:**
- Lectures – used to provide and bring all students to a level playing field of learning
  - Required reading
  - Blackboard and textbook assignments
  - Hands-on projects (lab work)
5. **Reading and Lab Assignments:** Assigned chapters **MUST** be read prior to attending class. Students are required to complete class/lab assignments. Late work will not be accepted.
6. **Outcomes assessment:**
- |   |                      |
|---|----------------------|
| Assignments (on Blackboard) (12 @ 20 points each) | 240 points           |
| Midterm   | 100 points           |
| Hands on Projects (24 @ 20 points each)           | 480 points           |
| Project   | 100 points           |
| Final Exam  | 60 points            |
| Participation                                     | 180 points           |
| Total   | -----<br>1160 points |
- Grading scale:
- 90-100% = A    80-89% = B    70-79% = C    60-69% = D    <60% = F
7. **Final Drop Date:** The final drop date for this class is:
- Friday, January 22, 2010 for a refund
  - Friday, January 29, 2010 to avoid a “W”
  - Friday, March 12, 2010 to avoid a “Letter Grade”
- It’s each student’s responsibility to drop the class if they are no longer attending or no longer interested, otherwise they risk obtaining a grade of “F” in the class.
8. **Examinations and assignments:** All examinations must be completed individually. Collaborative work, including sharing books and notes, will not be allowed during examinations. The use of books, notes, cell phones, and other electronic devices will not be allowed during examinations, unless specifically stated by the instructor prior to the examination. Make up examinations, projects, assignments, and lab work is only granted with advance notification, and subject to point depreciation of 15 percent. Otherwise – late work will not be accepted.

9. **Policies:** Campus code requires that shoes or sandals and appropriate attire be worn at all times on campus. Eating, drinking, and smoking are not allowed in the classroom or computer labs. Cell phone must be turned off or in the silence/vibrating mode while class is in session. If you need to use your cell phone (to make/receive a call or to sent a text message) please go outside of the classroom. No visitors are allowed while class is in session. A student will be subject to discipline if she or he:

- Prevents other students from pursuing their authorized curricular or co-curricular interests.
- Interferes with or disputes faculty and administrators who are fulfilling their professional responsibilities.
- Prevents classified employees from fulfilling their prescribed duties.
- Deliberately endangers the safety of persons or the security of college property.
- Violates Reedley College computers and networks usage policy.
- Violates Reedley College cheating/plagiarism policy.

10. **Accommodations:** If you have a verified need for an academic accommodation or materials in alternate media (i.e. Braille, large print, electronic text, etc...) per the Americans with Disabilities Act or Section 504 of the Rehabilitation Act, please contact me as soon as possible.

11. **Cheating and Plagiarism:** Cheating is the act or attempted act of taking an examination or performing an assigned, evaluated task in a fraudulent or deceptive manner such as having improper access to answers, in an attempt to gain an unearned academic advantage. Cheating may include, but is not limited to, copying from another's work, supplying one's work to another, giving or receiving copies of examinations without an instructor's permission, using or displaying notes or devices inappropriate to the conditions of the examination, allowing someone other than the officially enrolled student to represent the student, or failing to disclose research results completely.

Plagiarism is a specific form of cheating: the use of another's words or ideas without identifying them as such or giving credit to the source. Plagiarism may include, but is not limited to, failing to provide complete citations and references for all work that draws on the ideas, words, or work of others, failing to identify the contributors to work done in collaboration, submitting duplicate work to be evaluated in different courses without the knowledge and consent of the instructors involved, or failing to observe computer security systems and software copyrights.

Incidents of cheating and plagiarism may result in any of a variety of sanctions and penalties, which may range from a failing grade on a particular examination, paper, project, or assignment in question to a failing grade in the course, at the discretion of the instructor and depending on the severity and frequency of the incidents.

12. **Class schedule:**

Week #	Week of	Topic	Assignments
1	1/11/10	- Class orientation, Syllabus review, Intro to Blackboard - Introduction to Computer Programming - Applications and Architectures in the industry	Applications and Architectures assignment
2	1/18/10	- Introduction to Visual Basic 2008	Read Chapter 1 Assignment #1 Projects 1A and 1B
3	1/25/10	- Creating a User Interface	Read Chapter 2 Assignment #2 Projects 2A and 2B
4	2/1/10	- Variables, Constants, and Arithmetic Operators	Read Chapters 3 Assignment #3

			Projects 3A and 3B
5	2/8/10	- Making decisions in a program	Read Chapters 4 Assignment #4 Projects 4A and 4B
6	2/15/10	- More on the Selection Structure	Read Chapters 5 Assignment #5 Projects 5A and 5B
7	2/22/10	- Midterm Review - <b>Midterm on Thursday, May 25</b>	Midterm Review Assignment Midterm Exam
8	3/1/10	- The Do Loop and List Boxes	Read Chapters 6 Assignment #6 Projects 6A and 6B
9	3/8/10	- The For...Next Loop and String Manipulation	Read Chapters 7 Assignment #7 Projects 7A and 7B
10	3/15/10	- Sub and Function Procedures	Read Chapters 8 Assignment #8 Projects 8A and 8B
11	3/22/10	- Arrays	Read Chapters 9 Assignment #9 Projects 9A and 9B
	3/29/10	Spring Break – no class held	
12	4/5/10	- Structures and Sequential Access Files	Read Chapters 10 Assignment #10 Projects 10A and 10B
13	4/12/10	- Creating Classes and Objects	Read Chapters 11 Assignment #11 Projects 11A and 11B
14	4/19/10	- Working with Access Databases	Read Chapters 12 Assignment #12 Projects 12A and 12B
15	4/26/10	- Individual Projects	Individual Projects
16	5/3/10	- Individual Projects	Individual Projects
17	5/10/10	- Individual Projects	Individual Projects
18	5/17/10	<b>Final Exam on Tuesday, May 18 at 2pm</b>	Final Exam

Assignments and projects are due by the following class session.