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Fall 2011

CS 214: Visual Basic Programming

Eric Saunders

Wright State University - Main Campus, eric.saunders@wright.edu

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**Computer Science 214
Visual Basic Programming
Fall 2011**

Monday and Wednesday (4:10 p.m. to 5:50 p.m.)

Instructor: Mr. Eric Saunders, MS, OCP, Security+
Department Office and Phone 303 Russ Engineering Center
(937) 775-5131
E-mail: eric.saunders@wright.edu

Course Description: This course will cover the fundamentals of object-oriented computer programming; with an emphasis on design, structure, debugging, and testing. Visual Basic 2010 will be used for developing programs.

Textbook and Web Resources: *Starting Out with Visual Basic 2010*, Fifth Edition, Tony Gaddis & Kip Irvine, Pearson/Addison Wesley, ISBN-13: 978-0-13-611340-9. There are two text CDs. One CD contains the Integrated Development Environment (IDE) used in this course. The IDE supplied is Microsoft Visual Basic 2010 Express Edition. Or, you can download the Visual Basic 2010 through the Cats website: <http://www.wright.edu/cats/software/>. The second CD contains the source code and files required for the chapter tutorials. Both the Visual Basic software and the source code the text should be loaded and installed on the computer that will be used while studying the text. In addition, text companion website is <http://www.aw.com/gaddisvb>. On the student support webpage there are self-assessment quizzes, Power Point slides, source code files, and the answer to the odd numbered review questions.

PILOT: <http://pilot.wright.edu> will be used for submitting projects and for accessing course materials and grades. The PILOT website is powered by Desire2Learn.

PILOT Training: <http://www.wright.edu/ctl>

Lab Facilities: Open labs are available for your use in Russ 152C, 152D, and the library annex. Russ labs are open 24/7; library lab information can be found at <http://www.wright.edu/cats/labs>. Although you may find it convenient to work at home, make a note of these lab locations in the event that experience problems with your personal computer (hard drive failure, inability to print, connectivity issues, etc.). Because of lab facilities are so widely available at Wright State, personal computer issues are no an acceptable excuse for tardy assignments.

Homework: Due dates/time for homework will be given when the assignment is handed out. Late work will be accepted up to 24 hours after the initial deadline, but will incur a 10% penalty. Partial credit will be given for incomplete assignments.

Exams: A midterm and final exam will be given. Normally, makeup exams will not be given. However, there are two exceptions: (1) The student has extremely important, binding engagement the same time as the exam. In this case, the student must make arrangement with the instructor to take the exam before the scheduled time. (2) The student has an extreme illness or emergency that prevents him/her from taking the exam. In this case, the student must contact the instructor with 24 hours of the exam time to arrange a make-up, and the student must be able to provide documentation of the illness/emergency. The final exam will be cumulative.

Quizzes: There will be unannounced quizzes. Quiz material will come directly from the lecture chapter. The student is responsible for reading the chapter prior to coming to class.

Attendance: Counts for 10% of your final grade and is highly encouraged. At the beginning of class, please sign-in.

Class Forum: The main purpose of the forum is to post questions (not solutions) regarding the course and projects.

Grading: The course grade will be calculated by weighing the various graded components of the course as given below. Lecture will be a two way discussion between students and instructor. The grading scale is as follows:

| | | | |
|---|------------|----------------|-----|
| A | 90 to 100% | Homework: | 30% |
| B | 80 to 89% | Mid-term Exam: | 25% |
| C | 70 to 79% | Attendance: | 10% |
| D | 60 to 69% | Quizzes: | 10% |
| F | 0 to 59% | Final Exam: | 25% |

Students with disabilities: Any student with a disability must inform the instructor of the special accommodations needed as soon as possible. The Office of Disability Service can provide an evaluation to determine what accommodations are appropriate.

Academic Misconduct: All work in this class is to be completed individually. While you may find it helpful to discuss the homework assignments with other student in the class, be careful that your work is your own. Also, do not "share" your work with other students. Credit will not be given for work that duplicates another student's work or that was completed as a team effort. In addition, the University policy on academic misconduct will be followed in cases where academic dishonesty is suspected. This policy can be found at <http://www.wright.edu/students/judicial/integrity.html>.

| Dates | Topics | Reading |
|---|--|-----------------|
| September 7 | Course Overview, Introduction to the VB language | Chapter 1 |
| September 12 - 14 | Creating applications | Chapter 2 |
| September 19 - 21 | Variables and Calculations | Chapter 3 |
| September 26 - 28 | Decisions | Chapter 4 |
| October 3 - 5 | Lists and Loops | Chapter 5 |
| October 10 | Review for Mid-Term | Chapters 1 - 5 |
| October 12 → 4:10 p.m. | Mid-Term Exam | |
| October 17 - 19 | Procedures and Functions | Chapter 6 |
| October 24 - 26 | Multiple forms, Modules, and Menus | Chapter 7 |
| October 31 - November 2 | Arrays and More | Chapter 8 |
| November 7 | Files, Printing, and Structures | Chapter 9 |
| November 9 | Review for Final | |
| November 14 → 5:45 p.m. to 7:45 p.m. | Final Exam | Chapters 1 - 9* |