Course Information
Course: COSC 1437.2501
Title: Programming Fundamentals I
Time: TR 7:50-10:05pm
Room: K213

Instructor Information
Name: Ramiro Villarreal
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Office: K213a

Course Description
Review of control structures and data types with emphasis on structured data types. Applies the object-oriented programming paradigm, focusing on the definition and use of classes along with the fundamentals of object-oriented design. Includes basic analysis of algorithms, searching and sorting techniques, and an introduction to software engineering. This course may use instructional examples and assignments from various programming languages, including but not limited to C, C++, C#, and/or Java.

Student Learning Outcomes
At the end of this course, the student will
1. Know and apply object-oriented programming concepts.
2. Know C# syntax and language structure.
3. Develop executable programs using classes, objects and the .NET Framework.

Course Outline
The course is divided into 3 phases of equal duration with a test at the end of each phase.
1. Introduction - Variables, input/output, boolean expressions, if statements and GUI and console programs.
2. Loops - for, while, do-while - methods, class libraries, and basic controls.
3. Arrays, strings, classes, objects, and advanced GUI programming.

Evaluation Procedures
There will be 3 tests and 6 programming assignments. The 3 tests will be 100 points each. The first programming assignment is worth 50 points, the next two 50 points each, the next 3 are worth 50 points each and the last programming assignment is worth 50 points. There are 800 points total. All programming assignments must be turned in to receive full credit. The scale used to determine your final grade is at the right.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Points</th>
</tr>
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<tbody>
<tr>
<td>A</td>
<td>560-600</td>
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<tr>
<td>B</td>
<td>480-559</td>
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<tr>
<td>C</td>
<td>420-479</td>
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<tr>
<td>D</td>
<td>360-419</td>
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<tr>
<td>F</td>
<td>0-359</td>
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</tbody>
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Note: The instructor reserves the right to modify the course requirements, grading policies and procedures as circumstances dictate.

General College Policies
Attendance - Students are expected to attend all classes during the time periods shown in the official Brookhaven College Credit Class Schedule for the entire semester in which they are enrolled and to consult with the instructor when an absence occurs. If you are going to miss a test, you must contact the instructor prior to the test. Tests and other assignments may only be made up for excused absences.

Notification of absence due to religious holiday(s) - Students desiring to observe a religious holy day, which will result in a class absence, must notify their instructor in writing, for each class, no later than the 5th calendar day after the first class day of the semester in which the absence will occur. The student is required to complete, within a reasonable time, any assignments or take any examinations which may have been missed as a result of the absence.

Withdrawal with a grade of “W” - Students unable to complete this course must withdraw by Saturday, July 21, 2012. Withdrawal is a formal administrative process only initiated by the student and may be done in Admissions or Counseling.
Incomplete Grades - Incomplete grades are given when an unforeseen emergency prevents a student from completing the work in a course. The division chairperson must approve all "I" grades.

Stop Before You Drop! – For students who enrolled in college level courses for the first time in Fall 2007, Texas Education Code 51.907 limits the number of courses a student may drop. You may drop no more than 6 courses during your entire undergraduate career unless the drop qualifies as an exception. Your campus counseling/advising center will give you information on the allowable exceptions. Remember that once you have accumulated 6 non-exempt drops, you cannot drop any other courses with a “W”. Therefore, please exercise caution when dropping courses in any Texas public institution of higher learning, including all seven of the Dallas County Community Colleges.

Academic Dishonesty – All course work in this class is undertaken with the understanding that academic integrity is the only acceptable behavior at Brookhaven College. The instructor sets the standards for academic dishonesty, determines when those standards are violated, and determines the consequences of that behavior by the student. Practices such as cheating, collusion, sharing of files or printouts, collaboration, fabrication, or plagiarism will not be tolerated.

Americans with Disabilities Policy Statement - If you feel you need an academic adjustment (such as help taking notes or special seating arrangements, etc.) due to any type of disability or learning difference, please contact Special Services at 972-860-4847 for advisement and counseling. They will provide you with a form, if necessary, to show to your instructor.

Notice for Students on Financial Aid - Students who are receiving any form of financial aid should check with the Financial Aid Office prior to withdrawing from classes. Withdrawals may affect your eligibility to receive further aid and could cause you to be in a position of repayment for the current semester. Students who fail to attend or participate after the drop date are also subject to this policy.

Please note: If you are receiving Financial Aid grants or loans, you must begin attendance in all classes before the certification date. You also must attend or participate after the drop date in order not to be marked as non-attending in the event that you fail the course. Do not drop or stop attending any class without consulting the Financial Aid Office. Changes in your enrollment level and failing grades may require that you repay financial aid.

Final Grades - End-of-semester grades are not mailed but available via the Internet or phone.

Internet Access to Grades:
- a) Go to [http://econnect.dcccd.edu](http://econnect.dcccd.edu)
- b) Next, click on Current Credit Student Menu.
- c) Click on Log In.
- d) Enter your seven digit student ID #.
- e) Enter your password*
- f) Click on Check My Grades.
- g) Now select the term you wish to review.
- h) Next, select the grade type (CR-Credit Grades).
- i) Click on submit, your grade(s) should then be displayed on your screen.
- *if it is your first time to use the system enter your date of birth. (Example: Feb 16, 1965 021665).

Telephone Access to Grades:
- a) Dial 972-613-1818.
- b) Press 1 for grades.
- c) Press 1 again to enter your Student ID#.
- d) Enter six digit PIN*
- e) Select correct option for the semester grades you are inquiring about.

Code of Conduct - All students in this course are expected to abide by the rules and regulations as set forth in both the DCCCD Student Code of Conduct and the DCCCD Rules for Responsible Computing. Failure to comply may result in legal and/or disciplinary action. You may request a copy of the policies from any member of the lab staff at any time.