Syllabus

CS 21 - Introduction to Computer Science I

Instructor: Gerry Jenkins
Semester: Spring 2011
Section: 32333
Session Dates: Jan 10th to May 18th, 2011
Meetings: Room M117 LAC: Monday 9 to 10:50 am and Wednesday 9 to 11:50 am
emails: gjenkins@lbcc.edu phone: (562) 938-4623
Office Hours: Monday 11-noon, Wednesday 8-9am & 12-1pm, better to call first.

Course Description

Course Number: CS 21
Units: 3.5
Recommended Preparation:

Programming (CBIS 7) and Trigonometry (MATH 40)

This is the first of three introductory courses in computer science. This course introduces the basics of computer software design, programming, and related underlying concepts required with java programming. You will also learn a bit about object oriented design, a fair amount about object oriented programming, using Java as the "language of practice."

Course Student Learning Outcomes

Upon completion of the course the student should be able to:

1. Design and implement introductory level java programs that demonstrate good object oriented design.
2. Distinguish and explain the introductory computer science concepts and methodology using appropriate terminology.
3.Compose, decompose, debug, analyze, and defend the design of computer programs.
4. Write and articulate the concepts and specifics of java language, simple data structures, and the programming process.

For a detailed list of the specific course objective to obtain these outcomes, refer to the outcomes page of the official course outline at this link: cs 21 outline

Course Content and Delivery

This class is a web enabled class with a required website located at http://cbisdllbcc.edu/moodle

This site may be used to post materials, schedules, discussions, and grade results for the class, and used for the delivery of various assessment parts of this class.

Textbook and Technical requirements

The required textbook for this class is:

"JAVA Programming, From Problem Analysis to Program Design, 4th ed." by D.S. Malik
You can purchase this book at our LBCC LAC book store. You will need the book the first week of class. This book is also at the reserve desk of the library.

We will be also reading and accessing free material on the web linked from the class web site.

We will be using the current Java SDK with a text editor called TextPad.

You will also need a computer with video quicktime and sound. You will need to bring some ear phones or buds to class.

Grading

Your final grade will be composed based on the sum of these assessment components weighted as indicated:

<table>
<thead>
<tr>
<th>Assessment type</th>
<th>Percent of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exams (live programming and multiple choice)</td>
<td>40%</td>
</tr>
<tr>
<td>Programming Assignments</td>
<td>40%</td>
</tr>
<tr>
<td>In Class (quizzes, class exercises, roll)</td>
<td>15%</td>
</tr>
<tr>
<td>Final Project</td>
<td>5%</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
</tr>
</tbody>
</table>

The final grade will be awarded according to a standard scale:

<table>
<thead>
<tr>
<th>Total percent</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Greater than or equal to 90%</td>
<td>A</td>
</tr>
<tr>
<td>Greater than or equal to 80%</td>
<td>B</td>
</tr>
<tr>
<td>Greater than or equal to 70%</td>
<td>C</td>
</tr>
<tr>
<td>Greater than or equal to 60%</td>
<td>D</td>
</tr>
<tr>
<td>Below 60%</td>
<td>F</td>
</tr>
</tbody>
</table>

Course Policies

Due Dates: Each programming assignment will be given a due date. You must turn in a working assignment that compiles, runs, and passes the automated tests where appropriate by the due date. If you fall behind on turning in assignments they will be counted as 75% instead of 100%. You can lose points for other factors on your assignments such as style, or not following directions.

Also, if the answer to an assignment is given, you can no longer turn it in for any points. Quizzes, and in class activities can not be made up late.

Tests must be taken on the assigned day unless you have special circumstances approved and arranged with the instructor prior or on the day of the exam.

Cheating:

You can not use someone else’s work or copy from any source. This includes using the same file from a friend, relative, or anyone else. Anyone participating in any form of academic dishonesty will
be a zero for the assignment or test and your case forwarded to the Dean of Student Affairs for consideration of any other actions. Cheating equally applies to the original author of any work that is copied. You are responsible to protect your work. If it is stolen, you have to report it immediately to your instructor. Please contact the Student Affairs office to be informed of your rights.

Cheating includes: copying any part of a document that is not yours, including copy and paste from the Internet, using any communication device or method in a test, doing someone else's work in part or whole, plagiarism in any form, and using any form of note in a closed book test.

Do not let any student use your files, media or computer. You may be responsible for any material they use from you.

**Withdrawal from class:**

If you are enrolled in the class at the start of the semester but never contact the instructor and participate in the class by the census date of the class (see the deadlines at [http://admissions.lbcc.edu](http://admissions.lbcc.edu)), you will be considered a "No Show" and I will drop you from the class. In all other circumstances, if you need to withdraw from this class, you are responsible for dropping the class through Admissions and Records or online. If for some reason you decide to drop the class early in the semester and do not wish to receive a "W" grade on your transcript, you must go to the Admissions and Records Office and drop the class by date indicated as the last day to drop and receive a "W" (see the deadlines at [http://admissions.lbcc.edu](http://admissions.lbcc.edu)). (You can also drop the class online.) If you have not dropped the class as of this date, you will be assigned a letter grade (A, B, C, D, F, Cr or NC) in the course, whether or not you are attending class.

**PLEASE NOTE THAT IF YOU NEED TO WITHDRAW FROM THIS CLASS, YOU ARE RESPONSIBLE FOR DROPPING THE CLASS THROUGH ADMISSIONS AND RECORDS OR ONLINE.** If you simply stop participating in class and do not drop the class, you will be kept on the roll book and you will be assigned a grade in the course. Disclaimer:

This syllabus is subject to change during the course of the class. Students will be notified of any change.