COMP 150 Computer Programming I

Fall 2009 (3 credit hours)

Instructor:
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Phone #: (619) 260 – 5956 (off campus) x 5956 (on campus)
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Office Hours: Monday 12:30 – 3:30 PM, Tuesday 2:00 – 3:00 PM, Thursday 2:00 – 3:00 PM, and by appointment

Class info:
Lecture: S155, Tuesday/Thursday 9:15 AM – 10:35 PM

Course Description:
This course offers an introduction to computer science and computer programming in Java. With emphasis on object-oriented programming practice and problem solving skills, the course presents a balanced coverage of Java language basics, programming concepts and techniques, standard algorithms and applications. Prerequisite: Math 115 or equivalent. CS 100 is not a prerequisite.

Course Topics
- Overview of computer hardware, software, computer programming and applications
- Java variable types, expressions, simple I/O
- Java flow of control and basic programs
- Object-oriented programming practice
- Java classes and methods
- Arrays, and applications
- Simple sorting algorithms
- Java streams and file I/O
- Recursion and applications
- Basic GUI programming

Required Textbook:

Learning Outcomes
- Students will be able to design and implement simple computer programs in Java that are correct, clear, well-organized and well-documented
- Students will know and be able to apply simple data structures and algorithms
- Students will know the process of summarizing and delivering programming projects
Academic Integrity:

As stated in the University Bulletin, the University of San Diego is predicated on the principles of scholastic honesty. Academic dishonesty in any form is taken very seriously. Cheating on any exam or assignment (including programming project) in this class will result in a grade of "F" for the course. Your work in this course must be your own. Complete details regarding USD's policy on academic integrity are available in the University Bulletin (http://www.sandiego.edu/bulletin/)

Course Requirements:

Class Attendance and Participation
You are expected to attend each class session. You will be responsible for all material covered during any absence. Your active participation in class discussions is very much encouraged and it will definitely enhance the learning process.

Reading and Preparation
You are expected to read the assigned chapters/sections before the class session in which they will be discussed.

Programming Projects
Programming projects will be assigned during the semester in order to facilitate your understanding of the material, and will be due on a designated date and time. They will be collected and graded. Projects will be graded based on their correctness and completeness, the efficiency and presentation. In general late projects will not be accepted for credit.

Quizzes
A number of quizzes will be given throughout the semester. There will be no makeup quizzes.

Exams
There will be two (2) midterm tests and a final exam. Exams will be comprised of questions and problems based upon textbook, topics covered in the class. In general, no makeup exams will be given.

Grading:

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<tr>
<th>Category</th>
<th>Percentage</th>
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<tr>
<td>Quizzes</td>
<td>10%</td>
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<tr>
<td>Programming Projects</td>
<td>35%</td>
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<tr>
<td>Two Midterms</td>
<td>30%</td>
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<tr>
<td>Final Exam</td>
<td>25%</td>
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Grading Scale:

<table>
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<tr>
<th>Percentage Range</th>
<th>Grade</th>
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<tbody>
<tr>
<td>97% - 100%</td>
<td>A+</td>
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<tr>
<td>93% - 96%</td>
<td>A</td>
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<tr>
<td>90% - 92%</td>
<td>A-</td>
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<tr>
<td>87% - 89%</td>
<td>B+</td>
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<td>83% - 86%</td>
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80% - 82%  
77% - 79%  
73% - 76%  
70% - 72%  
67% - 69%  
63% - 66%  
60% - 62%  
below 60%  

B-  
C+  
C  
C-  
D+  
D  
D-  
F  

Notes:

Any needed announcements/messages after the class will be sent to your USD email account and you should check it periodically.

I reserve the right to raise the grades of those students who show exceptional improvement over the course of the semester, participate fully and actively in class, and keep up in the assignments. I also reserve the right to change the number of exams if necessary.

The grade of Incomplete is reserved for special cases only (where there is an acceptable reason that prevents you from completing the work of the course) and will be decided on individual basis.

Misc:

You may find the following links are useful:
http://www.ssh.com or http://www.openssh.com
(Secure Shells)

(Java Language Specifications)

Have A Wonderful Semester!