COMP 151 Computer Programming II

Fall 2008 (3 credit hours)

Instructor:
Name: Dr. Eric Jiang
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Office Hours: Monday 12:30 – 3:30 PM, Tuesday 11:00 AM – 12:00 PM, Thursday 2:00 – 3:00 PM, and by appointment

Class info:
Lecture: S128, Tuesday/Thursday 9:15 AM – 10:35 AM

Course Description:
This course focuses on abstract data types (ADTs), their implementations and applications. It provides a balanced coverage of various data types/structures (which include linked lists, stacks, queues, trees, and tables), algorithm analysis, recursion, sorting and searching algorithms.

Course Topics
- Review of Java fundamentals
- Review of recursion
- Overview of abstract data types
- Linked lists
- Stacks
- Queues
- Algorithm analysis basics
- Sorting and searching algorithms
- Binary trees and binary search trees
- Tables and priority queues

Required Textbook:


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
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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<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Quizzes</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:

- 97% - 100%   A+
- 93% - 96%    A
- 90% - 92%    A-
- 87% - 89%    B+
- 83% - 86%    B
- 80% - 82%    B-
- 77% - 79%    C+
- 73% - 76%    C
- 70% - 72%    C-
- 60% - 69%    D
- below 60%    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.

Have a Wonderful Semester!