Data Structures (CS 2601)

Spring 2013

Course Information:

Instructor: Karan Sharma (Room 307 A)
Email: karan@uga.edu

Time and Venue: Tuesdays and Thursdays – 2:00 – 3:30 (Boyd 208)

Office Hours: Tuesdays and Wednesdays 12:00 PM – 3:00 PM.

TAs: John Smith.

TAs Office Hours: John Smith Tuesday 10:00 - 1:30 PM.

Prerequisite: CS1301 and CS1302.

Course Description:

This course is designed to give students an introduction to the basic data structures and algorithms. After the course, students will be fluently able to apply data structures to the real world problems. The topics covered are:

- Arrays and Linked Lists
- Hash Tables
- Trees
- Graphs
- Big-O Analysis

Course Materials

Data Structures by Robert Lafore.

Grading

There will be 5 programming assignments, a midterm and a final.

- Programming assignments: 50%
- Midterm: 25%
- Final: 25%
Your grade will be roughly based on the following rubric

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<tr>
<th>Grade</th>
<th>Description</th>
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<tr>
<td>&lt;90</td>
<td>A</td>
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<tr>
<td>85-90</td>
<td>A-</td>
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<tr>
<td>80-85</td>
<td>B+</td>
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<td>75-80</td>
<td>B</td>
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<tr>
<td>70-75</td>
<td>B-</td>
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<tr>
<td>&lt;70</td>
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<td>&lt;50</td>
<td>D</td>
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**Computer Science Departmental Policy Statement Academic Honesty**


The Computer Science Department recognizes honesty and integrity as necessary to the academic function of the University. Therefore all students are reminded that the CS faculty requires compliance with the conduct regulations found in the University of Georgia Student Handbook. Academic honesty means that any work you submit is your own work.

Common forms of academic dishonesty which students should guard against are:

1. copying from another student's test paper or laboratory report, or allowing another student to copy from you;
2. fabricating data (computer, statistical) for an assignment;
3. helping another student to write a laboratory report or computer software code that the student will present as his own work, or accepting such help and presenting the work as your own;
4. turning in material from a public source such as a book or the Internet as your own work.

Three steps to help prevent academic dishonesty are:

1. Familiarize yourself with the regulations.
2. If you have any doubt about what constitutes academic dishonesty, ask your instructor or a staff member at the Office of Judicial Programs.
3. Refuse to assist students who want to cheat.

All faculty, staff and students are encouraged to report all suspected cases of academic dishonesty. All cases of suspected academic dishonesty (cheating) will be referred to the Office of Judicial Programs. Penalties imposed by the Office of Judicial Programs may include a failing grade in the course and a notation on the student's transcript. Repeated violations are punishable by expulsion from the University. For further information please refer to the UGA Code of Conduct, available at the URL below.
The University of Georgia Code of Conduct

Revised 8/2006