CS1332 Data Structures & Algorithms - Fall 2015

Instructors:

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Office Hours: by appointment

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Office Hours: TBA

Prerequisite:

You must have a C or better in CS1331 to remain in this course. If you do not have this prerequisite you will be dropped.

Recommended Textbook:

Data Structures and Algorithms in Java. 6/edition by Goodrich, Tamassia, and Goldwasser 2014 ISBN: 9781118771334 (Kindle edition is fine. The 5th edition is probably also fine.)

Course Website/Resources:

- T-Square: https://t-square.gatech.edu
- Java 8

Course Objectives:

- Develop more skills in individual Java programming
- Work with common data structures used in software development (Arrays, Lists, Graphs, Balanced Search Trees, Hashes, etc.) by coding their low-level implementation
- Become familiar with common algorithms on these data structures
- Work with Big-O notation, allowing good choices about the appropriate data structure and algorithm to use for a particular programming problem
- Improve one's ability to test and debug programs

TAs and You: We have many TAs! The schedule of help hours will be on T-Square. Help hours will start during Week 2. Location will be announced then.

Jonathan Jemson	Head TA
Carey MacDonald	TA
Cory Brzycki	TA
Emily Ritter	TA
Jatin Nanda	TA
Jefferson Wang	TA
Michael Falk	TA
Neil Goel	TA
Philip Bale	TA
Pranathi Tupakula	TA
Saikrishna Arcot	TA
Siddu Duddikunta	TA
Tiffany Zhang	TA

more coming soon!

Grade Breakdown:

Homework	20%
Exams (3 at 20% each)	60%
Final Exam	20%

Letter Grades: In addition to having a passing average, you must have a passing weighted exam average to pass this class. Passing is hereby defined as 70% or higher. There is no curve in this course. Letter grade cutoffs use a straight scale.

Undergraduate Students:

90.00 and above	A
80.00 to 89.99	B
70.00 to 79.99	C
60.00 to 69.99	D
below 60.00	F

Graduate Students:

70.00 and above	S
below 70.0	U

Exam Policy: There are no makeups for missed exams. Any request for exceptions to this policy must be made directly to the Dean of Students Office. Request by the student to the Dean of Students should be due to incapacitating illness, death in the family, or something similarly serious and be accompanied with supporting documentation. Events such as vacationing, errands, work conflicts, sleeping through your alarm, alarm malfunction, not being aware of the exam are not valid excuses.

Lecture/Workshop(Recitation) Attendance: You must attend your registered Oscar section for lecture and for recitation. Lecture and workshop attendance is expected and assumed.

Timely Handling of Grade Disputes: Grade disputes are rare, but if you find yourself not clear about why points were lost, we have a strict policy and procedure to follow. Disputes of grading on assignments, exams, etc. must be discussed within one week of being available for return. All regrade requests go through the Head TA. Should you find yourself having an issue with a grade, contact the Head TA. Regrade forms are available on T-Square. If the Head TA is unable to resolve the issue, contact your instructor.

Academic Honesty: The work in this course is to be the product of your own programming efforts unless otherwise specified.

- File sharing is expressly forbidden. Do not give your code to another student, nor take code from another student. Both activities are academic misconduct and forms of cheating.
- Proper collaboration means talking through problems, assisting each other with debugging, explaining a concept, etc.
- You are not allowed to simply exchange code or write code for others.
- Your submission cannot be similar to another student's submission.
- You are allowed to share JUnits. Use JUnits from other students at your own risk. We will not be endorsing them. See assignments for more details.

Violators of the collaboration policy for this course will be turn in to the Office of Student Integrity.

FYI: The typical sanction if found guilty for a first offense is academic misconduct on your record, a 0 on the assignment, followed by a letter grade drop in the course. Subsequent offenses have substantially escalating consequences.

Homework Submission & Responsibility:
Homework turn-in is via T-Square. Turning in homework properly on T-Square is solely your responsibility. That last statement bears repeating.

Turning in homework properly on T-Square is solely your responsibility.

You are to upload the .java files and any other files required by the assignment. .class files will not be graded and will be given a 0.

T-Square will send you a confirmation email. Do not delete that email. If you do not get the email, then trust that we did not get your HW submission. You should get the email almost immediately.

After submitting your file(s) for a HW, reload T-Square going to the Assignments link within the CS1332 tab. Look at the assignment in question. You should now see that it says it has been submitted and when.

Download a fresh copy of the files from T-Square, saving to a new folder, and recompile and run that code. This is truly the only way to confirm what you have turned in.

Failure to upload the proper file(s) for a homework will result in a zero for the assignment. Programs that do not compile or run also receive no credit.

Your files must be javadoced. Specific information regarding required javadocing will be included in the first assignment. Proper formatting including indentation is required. Sloppy formatting, lousy variable names, etc. will result in deduction of points. A style checker will be provided. You are to use it.

Homework & the Last Week of Class:
The last homework assignment may be due during the final week of class.

Important Dates (all dates are tentative and subject to change):

First Lecture Day ..... August 17, 2015
First Workshop Day - Week 2 ..... August 25-26, 2015
Official Holiday - Labor Day Holiday ..... September 7, 2015
Exam 1 ..... Monday, September 14, 2015
Progress Reports ..... September 25, 2015
Official Holiday - Fall Break ..... October 12-13, 2015
Exam 2 ..... Monday, October 19, 2015
Drop Deadline ..... October 25, 2015 (Sunday)
Exam 3 ..... Monday, November 16, 2015
Official Holiday - Thanksgiving Break ..... November 25-27, 2015
Last Lecture Day ..... December 4, 2015
Final (Sweat A/GR sections) ..... Monday, December 7, 2015, 11:30am - 2:20pm
Final (Hudachek-Buswell B section) ..... Wednesday, , December 9, 2015, 2:50pm - 5:40pm