CSE 1310: Introduction to Computers and Programming
Spring 2017

Instructor: Terrance J. Moore
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Office Hours: MW: 6:00P – 6:50P (Alternative days, if needed, per request.)

Section Information: CSE1310, Section 004
Time and Place of Class Meetings: TR: 7-8:20P

Teacher Assistant: Subharag Sarkar
Office Number: ERB
Email Address: subharag.sarkar@gmail.com
Office Hours: MW: 7-8:20P

Description of Course Content: This course introduces students to computers, to the algorithmic process, and to programming using basic control and data structures. The programming language used in this course is Java. Java version 7 is recommended, but other versions are also good.

Student Learning Outcomes:

- Students will be able to develop algorithms for math functions, processing of strings and arrays, or basic functionality.
- Students will be able to write and debug programs that implement concepts of this course.
- When reading Java code, students will be able to explain and follow program execution.

Textbooks and Other Course Materials:
Horstman, Cay, *Big Java: Late Objects*, 1st Edition (2013), ISBN: 978-1118087886

Attendance: At The University of Texas at Arlington, taking attendance is not required. Rather, each faculty member is free to develop his or her own methods of evaluating students' academic performance, which includes establishing course-specific policies on attendance. *As the instructor of this course, I have elected to take attendance but will not factor attendance into the grade.*

Other Requirements: Beyond the time required to attend each class meeting, students enrolled in this course should expect to spend an additional 15 hours per week of their own time in course-related activities, including reading required materials, completing assignments, preparing for exams, etc.

Grading policy and Descriptions of major assignments and examinations: Students are expected to keep track of their performance throughout the semester and seek guidance from available sources (including the instructor) if their performance drops below satisfactory levels; see "Student Support Services" section below.

Grading Structure

Assignments	20%	Homework assignments/projects that incorporate class topics.
Exam 1	25%	Based on all topics covered during Weeks 1-6.
Exam 2	25%	Based on all topics covered during Weeks 7-11.
Final Exam	30%	Based on all topics covered.
Possible classwork bonus **		

Any request for re-grading (for an assignment or midterm exam) must be made within 5 days of receipt of that grade.

In the case of re-grading, the instructor reserves the right to re-grade the whole assignment or exam. Requests of re-grading the final exam must be done within 1 day of receipt of that grade.

* Some programming assignments will allow group collaboration and some will require individual work.

** Occasionally, bonus points may be offered for class work/quizzes. However, most of the class work and class participation will NOT be rewarded.

All the exams are cumulative (each exam will cover all the material discussed in class up to that date).

The lowest grade of the first and second midterms can be replaced by the final exam grade (if it is higher). If two grades tie for the minimum, only one of them will be replaced. Low grades due to cheating in the exam will not be replaced.

The final grade will be assigned based on the standard grading structure: ≤90 A, ≤80 B, ≤70 C, ≤ 60 D

The final grade will be computed according to the formula:

*GRADE = .20 * HW_Average + .25 * max(E1, E2) + .25 * (max(Final, min(E1,E2)) + .30 * Final*

Students must take the exam for their section. If they miss it, they will not be allowed to take it with another section.

Make-up Exams: Make-up exams or any other additional work towards "improving ones grade" will not be offered.

Expectations for Out-of-Class Study: Beyond the time required to attend each class meeting, students enrolled in this course should expect to spend at least an additional **15** hours per week of their own time in course-related activities, including reading required materials, completing assignments, preparing for exams, etc.

Grade Grievances: Any appeal of a grade in this course must follow the procedures and deadlines for grade-related grievances as published in the current University Catalog:
http://catalog.uta.edu/academicregulations/grades/#undergraduatetext

Drop Policy: Students may drop or swap (adding and dropping a class concurrently) classes through self-service in MyMav from the beginning of the registration period through the late registration period. After the late registration period, students must see their academic advisor to drop a class or withdraw. Undeclared students must see an advisor in the University Advising Center. Drops can continue through a point two-thirds of the way through the term or session. It is the student's responsibility to officially withdraw if they do not plan to attend after registering. **Students will not be automatically dropped for non-attendance**. Repayment of certain types of financial aid administered through the University may be

required as the result of dropping classes or withdrawing. For more information, contact the Office of Financial Aid and Scholarships (http://wweb.uta.edu/aao/fao/).

Course Schedule

Week	Day	Month	Topic
1	18	Jan	*Introduction*
2	23	Jan	*Software Development Lifecycle*
	25	Jan	*Data Types & Operators*
3	30	Jan	*Statements*
	1	Feb	*Decisions*
4	6	Feb	*Loops*
	8	Feb	*Practice*
5	13	Feb	*Loops*
	15	Feb	*Strings*
6	20	Feb	*Formatting*
	22	**Feb**	**EXAM 1**
7	27	Feb	*Practice*
	1	Mar	*Methods*
8	6	Mar	*Methods*
	8	Mar	*Execution*
9	13	Mar	***SPRING BREAK***
	15	Mar	
10	20	Mar	*Arrays*
	22	Mar	*Arrays*
11	27	Mar	*File I/O*
	29	Mar	*File I/O*
12	3	Apr	*File I/O*
	5	**Apr**	**EXAM 2**
13	10	Apr	*Practice*
	12	Apr	*Exceptions*
14	17	Apr	*Recursion*
	19	Apr	*Objects & Classes*
15	24	Apr	*Objects & Classes*
	26	Apr	*Objects & Classes*
16	1	May	*Practice*
	3	May	*Practice*
17	10	May	**FINAL EXAM (8:15-10:45PM)**

As the instructor for this course, I reserve the right to adjust this schedule in any way that serves the educational needs of the students enrolled in this course. – Terrance J. Moore

Americans with Disabilities Act: The University of Texas at Arlington is on record as being committed to both the spirit and letter of all federal equal opportunity legislation, including the *Americans with Disabilities Act (ADA)*. All instructors at UT Arlington are required by law to provide "reasonable accommodations" to students with disabilities, so as not to discriminate on the basis of that disability. Any

student requiring an accommodation for this course must provide the instructor with official documentation in the form of a letter certified by the staff in the Office for Students with Disabilities, University Hall 102. Only those students who have officially documented a need for an accommodation will have their request honored. Information regarding diagnostic criteria and policies for obtaining disability-based academic accommodations can be found at www.uta.edu/disability or by calling the Office for Students with Disabilities at (817) 272-3364.

Title IX: The University of Texas at Arlington is committed to upholding U.S. Federal Law "Title IX" such that no member of the UT Arlington community shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity. For more information, visit www.uta.edu/titleIX.

Academic Integrity: Students enrolled all UT Arlington courses are expected to adhere to the UT Arlington Honor Code:

> *I pledge, on my honor, to uphold UT Arlington's tradition of academic integrity, a tradition that values hard work and honest effort in the pursuit of academic excellence.*
>
> *I promise that I will submit only work that I personally create or contribute to group collaborations, and I will appropriately reference any work from other sources. I will follow the highest standards of integrity and uphold the spirit of the Honor Code.*

UT Arlington faculty members may employ the Honor Code as they see fit in their courses, including (but not limited to) having students acknowledge the honor code as part of an examination or requiring students to incorporate the honor code into any work submitted. Per UT System *Regents' Rule* 50101, §2.2, suspected violations of university's standards for academic integrity (including the Honor Code) will be referred to the Office of Student Conduct. Violators will be disciplined in accordance with University policy, which may result in the student's suspension or expulsion from the University.

Electronic Communication: UT Arlington has adopted MavMail as its official means to communicate with students about important deadlines and events, as well as to transact university-related business regarding financial aid, tuition, grades, graduation, etc. All students are assigned a MavMail account and are responsible for checking the inbox regularly. There is no additional charge to students for using this account, which remains active even after graduation. Information about activating and using MavMail is available at http://www.uta.edu/oit/cs/email/mavmail.php.

Student Feedback Survey: At the end of each term, students enrolled in classes categorized as "lecture," "seminar," or "laboratory" shall be directed to complete an online Student Feedback Survey (SFS). Instructions on how to access the SFS for this course will be sent directly to each student through MavMail approximately 10 days before the end of the term. Each student's feedback enters the SFS database anonymously and is aggregated with that of other students enrolled in the course. UT Arlington's effort to solicit, gather, tabulate, and publish student feedback is required by state law; students are strongly urged to participate. For more information, visit http://www.uta.edu/sfs.

Final Review Week: A period of five class days prior to the first day of final examinations in the long sessions shall be designated as Final Review Week. The purpose of this week is to allow students sufficient time to prepare for final examinations. During this week, there shall be no scheduled activities such as required field trips or performances; and no instructor shall assign any themes, research problems or exercises of similar scope that have a completion date during or following this week *unless specified in the class syllabus*. During Final Review Week, an instructor shall not give any examinations constituting 10% or more of the final grade, except makeup tests and laboratory examinations. In addition, no instructor shall give any portion of the final examination during Final Review Week. During this week, classes are held as scheduled. In addition, instructors are not required to limit content to topics that have been previously covered; they may introduce new concepts as appropriate.

Emergency Exit Procedures: Should we experience an emergency event that requires us to vacate the building, students should exit the room and move towards one of the two exits left and right from the

classroom. Exit 1: turn left and then left again. Exit 2: turn right, then right and then left down the stairs or right through the glass doors in front of the elevators. When exiting the building during an emergency, one should never take an elevator but should use the stairwells. Faculty members and instructional staff will assist students in selecting the safest route for evacuation and will make arrangements to assist individuals with disabilities.

Student Support Services: UT Arlington provides a variety of resources and programs designed to help students develop academic skills, deal with personal situations, and better understand concepts and information related to their courses. Resources include tutoring, major-based learning centers, developmental education, advising and mentoring, personal counseling, and federally funded programs. For individualized referrals, students may visit the reception desk at University College (Ransom Hall), call the Maverick Resource Hotline at 817-272-6107, send a message to resources@uta.edu, or view the information at www.uta.edu/resources.

Writing Center. : The Writing Center, 411 Central Library, offers individual 40 minute sessions to review assignments, *Quick Hits* (5-10 minute quick answers to questions), and workshops on grammar and specific writing projects. Visit https://uta.mywconline.com/ to register and make appointments. For hours, information about the writing workshops we offer, scheduling a classroom visit, and descriptions of the services we offer undergraduates, graduate students, and faculty members, please visit our website at www.uta.edu/owl/.

Library Home Page	http://www.uta.edu/library
Subject Guides	http://libguides.uta.edu
Subject Librarians.....	http://www.uta.edu/library/help/subject-librarians.php
Database List	http://www.uta.edu/library/databases/index.php
Course Reserves.....	http://pulse.uta.edu/vwebv/enterCourseReserve.do
Library Tutorials	http://www.uta.edu/library/help/tutorials.php
Connecting from Off- Campus	http://libguides.uta.edu/offcampus
Ask A Librarian	http://ask.uta.edu

Emergency Phone Numbers: In case of an on-campus emergency, call the UT Arlington Police Department at **817-272-3003** (non-campus phone), **2-3003** (campus phone). You may also dial 911.