

CSE 1310 - Section 002/Section 008 - FALL 2018

Introduction to Computers and Programming

EXTRA PRACTICE

Instructor: Fadiah Qudah

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Class Times: Section 002 TR 3:30-4:50 COBA 255 / Section 008 MW 4:00-5:20 NH 109

Office: ERB 339

Office Hours: TBA If I am not in ERB 339 I am in ERB 315

Textbook: Cay Horstmann, Big Java: Late Objects (1st Edition), 2012. ISBN-13: 978-1-118-08788-6 (optional)

Teaching Assistant: TBA

Course Description

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.

Prerequisite: MATH 1302

Course Objectives:

- Introduction to programming
- Introduction to the Java programming language
- Learning good programming practices

Student Learning Outcomes: After successfully taking this course, a student should be able to write simple programs in Java, for processing numbers and text data. The student will know how to use conditionals, loops, strings, arrays, methods, and file input and output. The student will also have some understanding of principles of code design, and of good programming practices.

Assignments

There will be several programming assignments in this course. All assignments will have equal weight. The following class policies regarding assignments will be followed:

- All assignments must run on Netbeans IDE.
- All assignments must be submitted via Blackboard.
- If you make multiple submissions to Blackboard for the same assignment, only the latest submission will be graded.
- After you submit your solutions, you should download them and make sure that you submitted the correct files. Every semester, several students ask for leniency, claiming that they did the assignment, but accidentally submitted the wrong files. These claims are often legitimate, but, unfortunately, no grade leniency will be accorded to such claims. It is each student's responsibility to doublecheck their submissions.

- If, for whatever reason, you cannot submit on Blackboard, e-mail your solution to the instructor and ALL teaching assistants, from your UTA account, BEFORE the submission deadline. This will serve as proof that you did the work. You still have to offer a very convincing explanation as to why you were not able to submit on Blackboard.

Students are allowed to work with fellow CSE 1310 students on the assignments. At the same time, learning to solve problems on your own is the most important practice for the midterm and final exams.

Exams

There will be three midterms and one final exam in this course. All exams will have equal weight. No exam scores will be dropped. No make-up exams will be offered.

Absence from exams may be excused, with appropriate documentation, for illness, critical family emergencies, military service obligations, observance of major religious holidays, and certain university service commitments. Car or transportation problems will NOT be considered a legitimate reason to miss an exam. Requests for excused absence, and documentation for such absences, must be provided as soon as possible. Even if the reason for an absence is valid, a request for an excused absence will be rejected if provided unjustifiably late.

Quizzes

There will be several quizzes in this course. All quizzes will have equal weight. No make-up quizzes will be offered.

Absence from quizzes may be excused, with appropriate documentation, for illness, critical family emergencies, military service obligations, observance of major religious holidays, and certain university service commitments. Car or transportation problems will NOT be considered a legitimate reason to miss an quiz. Requests for excused absence, and documentation for such absences, must be provided as soon as possible. Even if the reason for an absence is valid, a request for an excused absence will be rejected if provided unjustifiably late.

Attendance Policy

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 section, I will follow the following attendance policy: Attendance is mandatory for exams (midterms and final), but NOT for lectures. Attendance in lectures will NOT be used in calculating the semester grade. However, students are responsible for the material covered in the lectures. The instructor and teaching assistants will NOT honor requests to fill students in on what they missed in class, unless the absence was justified by an emergency.

Attendance is required for exams and quizzes. Absences for exams and quizzes will only be excused for medical or other emergencies, in strict adherence with UTA policy. All emergencies must be reported as early as possible and **documented in writing**. No make-up exams or quizzes will be given.

Transportation problems (e.g., flat tires) will NOT be considered a valid excuse for missing exams. To ensure attendance, plan to arrive to class well in advance, and have backup transportation plans available.

While UT Arlington does not require instructors to take attendance in their courses, the U.S. Department of Education requires that the University have a mechanism in place to mark when Federal Student Aid recipients "begin attendance in a course." UT Arlington instructors will report when students begin attendance in a course as part of the final grading process. Specifically, when assigning a student a grade of F, faculty report the last date a student attended their class based on evidence such as a test, participation in a class project or presentation, or an engagement online via Blackboard. This date is reported to the Department of Education for federal financial aid recipients.

Class Participation

Class participation is optional, and will not be considered for the course grade. At the same time, students are highly encouraged to participate, by asking questions, as well as answering questions by the instructor. Class participation can be an important resource for students who have difficulty understanding any part of the course material.

Grading

Assignment scores and exam scores are converted to letter grades based on the following scale:

- A: 90%
- B: 80%
- C: 70%
- D: 60%
- F: below 60%.

The instructor reserves the right to lower these thresholds, based on the distribution of scores and the degree of difficulty of the assignments and exams.

At the end of the semester, the course grade will be computed based on the following weights:

1. Homework 15%
2. Quizzes 20%
3. Exam 1 10%
4. Exam 2 12%
5. Exam 3 13%
6. Final 30% (Note-this will be departmental exam)

Any assignment turned in late has an automatic 20 point penalty PER HOUR.

Any request for re-grading (for an assignment or midterm exam) must be made within 5 days of receipt of that grade. Any request for re-grading the final exam must be made within 3 days of receipt of that grade. Re-grading can lead to a higher or lower grade, depending on grading errors that are discovered.

IMPORTANT: It should be clear to every student that course grades will depend **EXCLUSIVELY** on the above grading criteria. Students should not request nor expect any other factor to be considered in computing the course grade. For example, factors that will **NOT** be considered are: need of a better grade to keep financial aid, to stay in the program, or to graduate. Students are expected to carefully monitor their own performance throughout the semester and seek guidance from available sources (including the instructor) if they are concerned about their performance and the course grade that they will earn.

Withdrawals

The university withdrawal policy will be strictly adhered to. Up to the initial withdrawal date, all students will receive a W. After that date, the grade will be determined by the student's current average, and a WF or WP assigned as appropriate.

Expectations for Out-of-Class Study

Beyond the time required to attend each class meeting, students enrolled in this course should expect to spend an additional minimum of 10 hours per week of their own time in course-related activities, including reading required materials, completing assignments, solving practice questions, and preparing for exams. More time may be needed for people having difficulties understanding the material. People with relatively weak mathematical background are expected to have more difficulties understanding the material, and to need more out-of-class study time.

Emergency Exit Procedures

Should we experience an emergency event that requires us to vacate the building, students should exit the room and move toward the nearest exit:

- Safely and calmly exit the classroom.
- After exiting the door turn right, and walk to the nearest exit.

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 handicapped individuals.

University Policies and Services

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.

Drop Policy:

The standard UTA drop policy applies to this course. 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/ses/fao>).

Disability Accommodations:

UT 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), The Americans with Disabilities Amendments Act (ADAAA), and Section 504 of the Rehabilitation Act. 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 disability. Students are responsible for providing the instructor with official notification in the form of a letter certified by the Office for Students with Disabilities (OSD). Students experiencing a range of conditions (Physical, Learning, Chronic Health, Mental Health, and Sensory) that may cause diminished academic performance or other barriers to learning may seek services and/or accommodations by contacting:

- The Office for Students with Disabilities, (OSD) www.uta.edu/disability or calling 817-272-3364.
- Counseling and Psychological Services, (CAPS) www.uta.edu/caps/ or calling 817-272-3671 is also available to all students to help increase their understanding of personal issues, address mental and behavioral health problems and make positive changes in their lives.

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.

Non-Discrimination Policy:

The University of Texas at Arlington does not discriminate on the basis of race, color, national origin, religion, age, gender, sexual orientation, disabilities, genetic information, and/or veteran status in its educational programs or activities it operates. For more information, visit uta.edu/eos.

Title IX Policy:

The University of Texas at Arlington ("University") is committed to maintaining a learning and working environment that is free from discrimination based on sex in accordance with Title IX of the Higher Education Amendments of 1972 (Title IX), which prohibits discrimination on the basis of sex in educational programs or activities; Title VII of the Civil Rights Act of 1964 (Title VII), which prohibits sex discrimination in employment; and the Campus Sexual Violence Elimination Act (SaVE Act). Sexual misconduct is a form of sex discrimination and will not be tolerated. For information regarding Title IX, visit www.uta.edu/titleIX or contact Ms. Jean Hood, Vice President and Title IX Coordinator at (817) 272-7091 or jmhood@uta.edu.

Academic Integrity:

All students enrolled in this course 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.

Instructors 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, paragraph 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.

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.

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>.

Campus Carry:

Effective August 1, 2016, the Campus Carry law (Senate Bill 11) allows those licensed individuals to carry a concealed handgun in buildings on public university campuses, except in locations the University establishes as prohibited. Under the new law, openly carrying handguns is not allowed on college campuses. For more information, visit <http://www.uta.edu/news/info/campus-carry/>

Student Feedback Survey:

At the end of each term, students enrolled in classes categorized as lecture, seminar, or laboratory shall be directed to complete a 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>.

Start Strong Freshman Tutoring Program:

University Tutorial and Supplemental Instruction (UTSI)/University College

All first time, first-year students can receive six FREE hours of tutoring for this course and other selected subjects for this semester. Find out more at www.uta.edu/startstrong.

Course Schedule

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. The following schedule is tentative, and will be regularly updated.

Lectures Schedule

MW 4:00- 5:20	TR 3:30- 5:00	Topic	Quizzes	HW (due 11:59 PM)	Book (optional)
Aug 22	Aug 23	Introduction			

Aug 27	Aug 28	First Programs (Variables, input, output)			Ch 2
Aug 29	Aug 30	First Programs (continued)			
Sept 5	Sept 4	Using Operators		HW 1 due Sept 4	
Sept 10	Sept 6	Strings, If statements	Quiz 1 (Sept 5/6)		Ch 3
Sept 12	Sept 11	If statements (continued)			
Sept 17	Sept 13	Arrays			Ch 6 (6.1)
Sept 19	Sept 18	Arrays (continued)		HW 2 due Sept 18	
Sept 24	Sept 20	Loops	Quiz 2 (Sept 19/20)		Ch 4
Sept 26	Sept 25	EXAM 1			
Oct 1	Sept 27	Loops, continued			
Oct 3	Oct 2	Loops, (continued)			Ch 5
Oct 8	Oct 4	Methods (functions)		HW 3 due Oct 8	
Oct 10	Oct 9	Methods (functions), continued	Quiz 3 (Oct 9/10)		
Oct 15	Oct 11	Methods (functions), continued			
Oct 17	Oct 16	Methods (functions), continued		HW 4 due Oct 21	
Oct 22	Oct 18	Binary numbers/Hexadecimal numbers			Appendix I pg 940
Oct 24	Oct 23	EXAM 2			
Oct 29	Oct 25	Binary numbers/Hexadecimal numbers			
Oct 31	Oct 30	ArrayLists		HW 5 due Nov 1	Ch 6 (all sections), Ch 7 (7.4)
Nov 5	Nov 1	Exception Handling			
Nov 7	Nov 6	File input/output	Quiz 4 (Nov 6/7)		Ch 7 (all sections)
Nov 12	Nov 8	File input/output, continued		HW 6 due Nov 14	
Nov 14	Nov 13	Objects and Classes			Ch 8
Nov 19	Nov 15	Objects and Classes	Quiz 5 (Nov		

			19/20)		
Nov 21	Nov 20	Objects and Classes		HW 7 due Nov 23	
Nov 26	Nov 27	EXAM 3			
Nov 28	Nov 29	Objects and Classes			
Dec 3	Dec 4	Review		HW 8 due Dec 2	
		Final-TBA			

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. The non-emergency number is 817-272-3381.