CSE1320 Intermediate Programming
Summer 2022

Instructor Information

Instructor:
Jason Losh, Ph.D.

Office Number:
ERB 649

Office Telephone Number:
+1 817-272-3785 (CSE Department)

Email Address:
jlosh@uta.edu

Faculty Profile:
https://mentis.uta.edu/explore/profile/jason-losh

Office Hours / Help Sessions:
MW 5:20-6:00 following class
Other times by appointment (I am usually in the ERB building 1st floor labs on M,T,W,Th)
Additional help sessions will be added near exam days at times to be determined in class.

Grader:
Aref Hebri, axh2318@mavs.uta.edu, Hours will be sent on the course listserv.

Course Information

Section Information:
002

Time and Place of Class Meetings:
MW 3:30-5:20pm in ERB 130

Attendance is required for this course on the following 11 days:
June 8, 15, 22, 29; July 6, 13, 20, 27; August 3, 10, 11

Attendance on the other class days is recommended but not required.

Videos will be recorded on campus in Echo360 and available in Canvas on demand.

Description of Course Content:
Programming concepts beyond basic control and data structures. Emphasis is given to data structures including linked-lists and trees as well as modular design consistent with software engineering principles. Prerequisite: C or better in CSE 1310 or C or better in CSE 1312, and C or better in (or concurrent enrollment in) (MATH 1421, MATH 1426, MATH 2425, MATH 2326, MATH 3330, HONR-SC 1426, or HONR-SC 2425) and C or better in CSE 1105 (or concurrent enrollment).

Student Learning Outcomes:

- Introduction to the C programming language
- Exposure to basic data structures
- Learn to use the Linux operating system

Class Web Page:
Additional files will be provided as needed on the course web site at http://ranger.uta.edu/~jlosh.

Communication:
All class-wide communication by the instructor, including distribution of homework sets, will occur via the class listserv. Please sign up for the CSE1320-L listserv by sending an e-mail from your UTA e-mail account to listserv@listserv.uta.edu from your UTA e-mail account (no subject line needed) and the command SUBSCRIBE CSE1320-L as the message body. You will then receive an e-mail from the listserv server to which you must acknowledge to join the listserv.

Textbooks and Other Course Materials:
Intermediate C Programming, Yung-Hsiang Lu, ISBN: 9781498711630 (not required, but recommended)

Major Assignments and Examinations:
Quiz 1 (Wednesday, June 8)
Quiz 2 (Wednesday, June 15)
Quiz 3 (Wednesday, June 22)
Test 1 (Wednesday, June 29)
Quiz 4 (Wednesday, July 6)
Quiz 5 (Wednesday, July 13)
Test 2 (Wednesday, July 20)
Quiz 6 (Wednesday, July 27)
Quiz 7 (Wednesday, August 3)
Quiz 8 (Wednesday, August 10)
Final (Thursday, August 11 @ 3:30pm)

Technology Requirements:
If a student cannot attend the class in person, students will need a computer capable of accessing Canvas and watching the Echo360 lectures.

If a student cannot use the computer resources on campus, a computer will also be needed to use Pulse Secure VPN software and the Omega server.

Grading Information

Grading:

- Grade scale: A (90-100), B (80-89), C (70-79), D (60-69), and F (0-59)
- Grade calculation: Test 1 (20%), Test 2 (20%), Final (20%), Quizzes (20% for average of best 7), Attendance on-campus on Quiz and Exam Days (20%)
- The instructor reserves the right to make reasonable changes in performance evaluation as needed.
- Any request for re-grading must be submitted to the Grader within one week of the completion of grading. If, after requesting a re-grade from the Grader and getting a response, you may refer the case to the instructor iif you think further action is needed.

Tests:

- Tests are on-campus
- Tests are closed-book, one page of notes allowed (8.5x11" paper), calculators allowed.
- No makeup will be provided for any test missed. Generally, you can request an incomplete in the course and makeup the missed test in the following semester.

Quizzes:

- Quizzes are on-campus
- Quizzes are closed-book, one page of notes allowed (8.5x11" paper), calculators allowed.
- No makeup will be provided for any quiz missed.
- The lowest quiz grade will be dropped.

Homework:

- Homework is assigned to help you master the student educational outcomes required for the course. It is important to work the homework so that you will perform well on the quizzes, exams, and in subsequent courses.
- Due to the presence of web sites that provide solutions to homework sets, homework will be assigned but not collected this semester. A solution will be provided by the grader after each homework deadline has passed.

Course Schedule

- Syllabus and Introductions (0.5 hr)
- C Standards Overview (C89/C99/C11) (0.5 hr)
- Integer and Floating-point Numbers, Simple Data Types (2 hrs)
- Introduction to C Language (4 hrs)
- Variables Types (2 hrs)
- Using Printf and Scanf (2 hrs)
- File I/O (2 hrs)
- Simple Programming Examples (2 hrs)
- Pointers and Dereferencing (2 hrs)
- Arrays and Matrices (2 hrs)
- Structures (2 hrs)
- Heap Memory and Dynamic Memory Allocation (2 hrs)
- Recursion (2 hrs)
- Linked Lists (4 hrs)
- Binary Trees and Inorder, Preorder, and Postorder Transversals (4 hrs)

The instructor reserves the right to make changes in the schedule as needed as the class progresses.

The official dates for registration, census, and dropping are available at www.uta.edu/acadcal.

Academic Integrity

This information is extracted from http://www.uta.edu/conduct/academic-integrity/index.php.

The University of Texas at Arlington strives to uphold and support standards of personal honesty and integrity for all students consistent with the goals of a community of scholars and students seeking knowledge and responsibility. Furthermore, it is the policy of the University to enforce these standards through fair and objective procedures governing instances of alleged dishonesty, cheating, and other academic/non-academic misconduct.

Scholastic dishonesty includes, but is not limited to, cheating, plagiarism, and collusion on an examination or an assignment being offered for credit. Each student is accountable for work submitted for credit, including group projects.

- Cheating
    - Copying another's test or assignment
    - Communication with another during an exam or assignment (i.e. written, oral or otherwise)

    - Giving or seeking aid from another when not permitted by the instructor
    - Possessing or using unauthorized materials during the test
    - Buying, using, stealing, transporting, or soliciting a test, draft of a test, or answer key
- Plagiarism
    - Using someone else's work in your assignment without appropriate acknowledgement
    - Making slight variations in the language and then failing to give credit to the source
- Collusion
    - Without authorization, collaborating with another when preparing an assignment

Institution Information

UTA students are encouraged to review the below institutional policies and informational sections and reach out to the specific office with any questions. To view this institutional information, please visit the Institutional Information page (http://www.uta.edu/provost/administrative-forms/course-syllabus/index.php) which includes the following policies among others:

- Drop Policy
- Disability Accommodations
- Title IX Policy
- Academic Integrity
- Student Feedback Survey
- Final Exam Schedule

Additional Information

Attendance:
At The University of Texas at Arlington, taking attendance is not required but attendance is a critical indicator of student success. 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, However, 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 must 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 Canvas. This date is reported to the Department of Education for federal financial aid recipients.

Attendance is required for this course on the following 11 days:
June 8, 15, 23, 29; July 6, 13, 20, 27; August 3, 10, 11-12 (TBA which date)

Attendance on the other class days is recommended but not required.

You may miss one class day without attendance penalty, but the grade on the quiz or exam missed will be a zero.

Emergency Exit Procedures:
Should we experience an emergency event that requires evacuation of the building, students should exit the room and move toward the nearest exit. When exiting the building during an emergency, do not take an elevator but use the stairwells instead. 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 Success Programs:
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 by appointment, drop-in tutoring, etutoring, supplemental instruction, mentoring (time management, study skills, etc.), success coaching, TRIO Student Support Services, and student success workshops. For additional information, please email resources@uta.edu, or view the Maverick Resources website.

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. Non-emergency number 817-272-3381