CSE1320 Intermediate Programming
Summer 2019

Instructor Information

Instructor:
Jason Losh, Ph.D.

Office Number:
649 ERB

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:
MW 12:30-1pm, 2:50-3:30pm, 5:45-6pm, and by appointment. Additional hours will be added as needed as the semester proceeds.

Graders:
Saifullah Khalid, saifullah.khalid@mavs.uta.edu, T 10-1, W 11-1, W 5:30-6:30 in 126ERB
Farnaz Farahanipad, farnaz.farahanipad@mavs.uta.edu, T 2-5pm in 126 ERB

Course Information

Section Information:
001, 002

Time and Place of Class Meetings:
MW 1-2:50pm (Section 002) or MW 3:30-5:20pm (Section 001) in 131 ERB

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://omega.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.

Canvas will be used for homework submission to the Grader and for viewing your Test 1, Test 2, and homework grades.

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

Major Assignments and Examinations:
Test 1 (Monday, June 24)
Test 2 (Monday, July 15)
Departmental Final Exam (Monday, August 12, 1-2:50pm)
Homework (various dates dependent on class progression)

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 (25%), Test 2 (25%), Departmental Final (30%), Homework (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.

Tests:
- Tests are closed-book, closed-notes, calculators allowed.
- No makeup will be provided for any test missed.

Homework:
- Plan to submit your homework online at least two hours before the deadline to mitigate any potential connectivity issues.
- Homework that is submitted late will be assessed a 50% penalty.
- Homework late by more than 48 hours will not be accepted.

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)
- Hash Tables and Hash Functions (2 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

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.

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