CSE 1310: Introduction to Computers and Programming
Fall 2021

Last updated 8/24/2021

Instructor Information

Instructor(s):
Alexandra Stefan

Office Number:
ERB 625 - *Due to COVID-19 precautions, I will be available online, not in person in the office.*

Office Telephone Number:
817-272-3785 (CSE Department phone number)

Email Address:
astefan@uta.edu

Faculty Profile:
http://ranger.uta.edu/~alex/

Office Hours:
MoWe 2:30pm-3pm, TuTh 12:30-1:30 or by appointment. Office hours will be online, using Teams chat. I will not have an ongoing open meeting for students to join for the office hours due to privacy issues. Instead, I will have individual meetings with students. Please send a chat message to indicate that you want to join office hours and we can continue as a chat or with a call. For calls during office hours I typically use video and I encourage you to use it as well, but you are free to use only voice or chat.

Course Information

Section Information:
CSE 1310-001
CSE 1310-900 – Students in this section are NOT required to attend the online lectures synchronous, but are encouraged to attend to benefit from the class interactions and help keep a steady pace.
Both sections are merged in Canvas under section 001. Thus students from section 900 will see the Canvas course with section 001 (not their respective section), but that is simply the name used. All students from both sections will be in that Canvas course and will have normal permissions to the course.

Time and Place of Class Meetings:
MoWe 1:00pm - 2:20pm, online using Teams

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 is C.

Student Learning Outcomes:
- General student learning outcomes specified on the CSE 1310 departmental page. This page may have the information from the previous semester, but will be updated in the first days of classes: https://mavsuta.sharepoint.com/sites/cse13xx/SitePages/CSE-1310.aspx
- Be able to **write programs that implement basic functionalities** such as math functions (e.g. the factorial), processing of strings and lists, games (e.g. Tic-Tac-Toe, The Hangman) or simplistic real-world applications (e.g. a phonebook).

- **Debug** programs written by you or by others.
- **Test** programs
- When reading code, be able to **explain what each line of code does and how it affects the computer state**.
- Write programs to read and write text files
- Write programs where the functionality is split over three or more **functions**.
- Develop **problem-solving skills**:
  - break a problem into smaller components,
  - identify which of those you know how to do and which you do not,
  - develop solutions for each component that can then be combined to work together as a complete program
  - identify special cases for which your program may not work as expected (e.g. invalid data is given to it)

Textbook and Other Course Materials:
"C by Discovery" by Foster and Foster, 4-th edition, ISBN-13: 978-1576761700, ISBN-10: 1576761703. I am using the 4th edition, but the 3rd one is also ok. *The textbook is not required.* All the information needed for assignments and tests will be provided in slides and discussed during lectures.
This book is also the official textbook for CSE 1320, but I do not know what version each CSE 1320 instructor allows or if they require the book or not.

Lectures and Communication:
The lectures will be online synchronous (during the lecture official time). The new content may be delivered during the lecture, or students may have to watch some prerecorded videos or read materials that will then be discussed during lecture time.
Microsoft Teams will be used for the online synchronous meetings.

Technology Requirements
The following tools will be used:
- Canvas – course announcements, online quizzes, homework submission, discussion board, course materials
- Teams – for online lectures and office hours (for both instructor and TA).
- **Respondus Lockdown** - software that will block your browser when taking a quiz
- **A webcam (integrated in the laptop or external)** – will be needed during exams (for video recording and monitoring of the student taking the exam) and possibly for some assignments where students may need to record a video as part of the assignment.
- Use of an IDE (Integrated Development Environment) to facilitate developing and debugging code. Information on this will be provided in Canvas and in the first class lecture.
- Headphones with microphone are encouraged, but not required.
You can access tutorials on these tools by clicking on the "Get Started" Box on your Canvas Homepage.

Other Requirements:
The **exams will require writing code without the use of an IDE or a compiler** (i.e. without being able to run the code or the program you are writing). Practice writing your programs (for homework or practice) on paper first and then on the computer.

Grading Information

Grading and major Assignments and examinations:
Students are expected to keep track of their performance throughout the semester which Canvas facilitates, and seek guidance from available sources (including the instructor) if their performance drops below satisfactory levels; see "Student Support Services," below.
See the Final Grade Reports Schedule for dates and deadlines related to grades.
I cannot provide the detailed information on Assignments and their Grade weight as I am waiting information regarding departmental-wide (for all CSE 1310 sections) Benchmark testing for 1310.I do not know what that will be like (how frequent, if there is a specific grade weight for it). Once I get that

information I will integrate that testing with what I normally do for the class. I may need to adjust some components. But in order to give you an idea of what it may be, below is what was used in Spring 2021. I crossed it off to indicate that it does not represent the current grading scheme.

~~Homework Quizzes - Weekly Online Quizzes (in Canvas) or activities.~~ ~~The quizzes will be available 3 or 4 days, but once started they will have a time limit.~~ ~~They will NOT require a Camera and the Lockdown Browser.~~ ~~Their purpose is to encourage studying the material covered each week.~~ ~~Students can use any class material and discuss the answers for these quizzes with classmates.~~	~~10%~~	~~in Canvas, cumulative, but with focus on the new material~~
~~Exam Quizzes - 8 Online Quizzes in Canvas (one every two weeks).~~ ~~(1 online quiz with the lowest score will be dropped)~~ ~~The quizzes will be available for 48 hours, but once started they will have a time limit.~~ ~~They~~ ==~~WILL require a Video Camera and the Lockdown Browser Software~~==~~.~~ ~~Their purpose is to test that students know the material covered so far.~~ ~~Students CANNOT collaborate, use class materials, cheat sheets or other web materials for these quizzes. They must be able to answer without outside help.~~	~~35%~~	~~in Canvas, cumulative~~
~~Homework Assignments – about 10 programming assignments~~ ~~Each assignment will have a week to be completed from the time it was posted in Canvas.~~	~~50%~~	~~Completed assignments will be submitted in Canvas.~~
~~Class participation and engagement with the material.~~ ~~Students are expected to attend online lectures except students in section 900.~~ ~~Contact the instructor if you have a valid reason to not be able to attend the lectures.~~ ~~Students in section 900 can receive full participation credit by completing the participation activities asynchronously.~~	~~5%~~	
~~Total class score~~	~~100%~~	

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

Expectations for Out-of-Class Study:
Practice, practice, practice! Beyond the time required to attend each class meeting, students enrolled in this course should expect to spend an additional **12 hours** per week of their own time in course-related activities, including reading required materials, completing assignments, preparing for exams, etc.

Before every new lecture, students should have reviewed and understood the previous lecture. After each lecture they should type and run the programs covered in class (without using their notes if possible).

Practice the right way! If working on a single aspect of a problem takes you a very long time, you may be doing it wrong! It should not be trial and error, but a guided process. Talk to the instructor, TA and other classmates about it.

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. See Undergraduate Grading Policies and Student Complaints.

Academic Integrity:
*The penalty for cheating or collusion in a homework or exam is a **grade of 0 for the entire exam or homework**.*

During exams, you must remain seated, have the camera on at all times and not exit the exam (in Canvas) until you finished it. Respondus Monitor software will record a video of you taking the exam and flag your video if suspicious behavior is detected. If, after inspection, I also find the behavior suspicious I will report the student to the Office of Student Conduct for cheating in an exam. During an online exam quiz students must work on their own without any help from other classmates, friends and without using class materials, cheat sheets or web resources. They must remember the material and be able to answer questions and write code based on the knowledge they know.

In cases of collusion, ALL students involved will be reported to the Office of Student Conduct. For example if one student wrote his solution on his own, but shared it with a friend, BOTH students are reported and both are penalized with a grade of 0 for that assignment (even if one admits that he/she copied after the other student).

By default, the homework for this class is individual (no group projects) unless otherwise stated in the assignment.

You are NOT allowed to work as a team and develop together the homework solution (or a significant/critical part of it), or let another classmate see or have access to your code. DO not show your code or part of your code for a homework or exam to any other student.

You are allowed (and encouraged) to discuss with classmates the homework requirements, but NOT specific code for the homework solution. You can practice and review programming language concepts covered in class, programs covered in class, and other practice problems that are NOT part of the homework.

You should reference all the resources you used in preparing for a homework solution especially if they may have influenced your solution. REFRENCING MATERIAL DOES NOT JUSTIFY SIMPLY COPYING THAT MATERIAL. You must solve the homework and exam problems yourself, using only the materials covered in this class. You should not search and look at any solution (from the web, or from a friend or classmate) for homework or exam problems or part of those problems. If you need help, you should contact the instructor or a TA. You are not allowed to look and get inspiration from an existing solution.

*You should not store your code or homework solutions on any public, unsecure domain such as GitHub (I reported a case involving code posted on GitHub). You can use password protected cloud services such as Google Drive. Note that if you make your solutions available to others in such a way, and another student copies your solution, **you will be reported together with the student who used your solution**.*

Please do not hesitate to talk to me regarding any concerns you may have.

Course Schedule

See the course schedule at: http://ranger.uta.edu/~alex/courses/1310/Schedule_CSE1310.pdf

Institution Information

Please review the UTA Syllabus Institutional Policies page (https://resources.uta.edu/provost/course-related-info/institutional-policies.php) which covers the following policies and more. For questions, reach out to the specific office.
- Drop Policy
- Disability Accommodations

- Title IX Policy
- Academic Integrity
- Student Feedback Survey

Additional Information

Face Covering Policy
While the use of face coverings on campus is no longer mandatory, all students and instructional staff are strongly encouraged to wear face coverings while they are on campus. This is particularly true inside buildings and within classrooms and labs where social distancing is not possible due to limited space. If a student needs accommodations to ensure social distancing in the classroom due to being at high risk they are encouraged to work directly with the Student Access and Resource Center to assist in these accommodations. If students need masks, they may obtain them at the Central Library, the E.H. Hereford University Center's front desk or in their department.

Attendance:
As the instructor for this section, I require class attendance as it is an important factor in succeeding in this class. Attendance itself (being present) will not be factored into the class grade, but participation and engagement with the material will be. If you have a valid reason for not attending the lectures, discuss it with the instructor for approval. Students in section 900 are not required to attend the online lectures, but are expected to watch them in a timely manner and be prepared for each lecture.

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. 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:
Not applicable. The class is online.

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, supplemental instruction, mentoring (time management, study skills, etc.), TRIO Student Support Services, and student success workshops. For additional information, please email resources@uta.edu, or view the Maverick Resources website.

The IDEAS Center (https://www.uta.edu/ideas/) **(**2nd Floor of Central Library) offers **FREE** tutoring and mentoring to all students with a focus on transfer students, sophomores, veterans and others undergoing a transition to UT Arlington. Students can drop in or check the schedule of available peer tutors at www.uta.edu/IDEAS, or call (817) 272-6593.
Supplemental Instruction (SI) leader – to be determined if there will be an SI leader for this class.

The English Writing Center (411LIBR):
The Writing Center offers **FREE** tutoring in 15-, 30-, 45-, and 60-minute face-to-face and online sessions to all UTA students on any phase of their UTA coursework. Register and make appointments online at the Writing Center (https://uta.mywconline.com). Classroom visits, workshops, and specialized services for graduate students and faculty are also available. Please see Writing Center: OWL for detailed information on all our programs and services.

The Library's 2ⁿᵈ floor Academic Plaza (http://library.uta.edu/academic-plaza) offers students a central hub of support services, including IDEAS Center, University Advising Services, Transfer UTA and various college/school advising hours. Services are available during the library's hours of operation.

Librarian to Contact:
Each academic unit has access to Librarians by Academic Subject that can assist students with research projects, tutorials on plagiarism and citation references as well as support with databases and course reserves.

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

Library Information

Research or General Library Help
Ask for Help
- Academic Plaza Consultation Services (library.uta.edu/academic-plaza)
- Ask Us (ask.uta.edu/)
- Research Coaches (http://libguides.uta.edu/researchcoach)

Resources
- Library Tutorials (library.uta.edu/how-to)
- Subject and Course Research Guides (libguides.uta.edu)
- Librarians by Subject (library.uta.edu/subject-librarians)
- A to Z List of Library Databases (libguides.uta.edu/az.php)
- Course Reserves (https://uta.summon.serialssolutions.com/#!/course_reserves)
- Study Room Reservations (openroom.uta.edu/)

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