

PREF CSE1311-003, Introductory Programming for Engineers & Scientists Fall2018

Instructor(s):UTA Ishfaq Ahmad

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Teaching Hours: Tuesday, Thursday, 3:30 pm to 4:50 pm

Office Hours: Tuesday, Thursday, 2:15 pm to 3:15 pm

Section Information: 003

TA: Rohitshankar Mishra (rohishankarvij.mishra@mavs.uta.edu)

Lab: TBD

Place of Class Meetings ERB130

Description of Course Content: An introduction to the algorithmic process and to programming in C using standard control structures, arrays, files, strings, pointers, bit manipulations and structures.

Student Learning Outcomes: Ability to write computer code using a high-level language such as 'C' and preparing students with the ability to solve problems with computer program.

Required Textbooks and Other Course Materials: Text Book: *C By Discovery*, 4th Edition, Foster & Foster.

Descriptions of major assignments and examinations: 3-4 Programming assignments, one midterm and one final examination, and quizzes.

Attendance: Attendance will be taken and carries 10% bonus points for 100% or some credit for missing one or two classes but no credit for missing more than two classes. There is a bonus for good attendance in class. To get this bonus, a student must be on time **and** attend the lecture.

Exceptions: If for some reason a student cannot attend class that day due to family or religious reasons, they need to bring a note with a simple explanation. If for some reason a student cannot attend class due to a health reason, they need to bring a note from their physician covering why they did not come. Not attending class because a student was off doing the homework due that day is **not** a satisfactory reason. The daily role will only be taken once. After it is finished, the roll is closed. Students leaving a class immediately after the role is taken will be counted as absent. At the end of the semester, the percentage of time attended will be used to calculate the bonus of up to 100 points to be added into the Homework total before the average is taken.

Grading: Programming Homeworks: 30%

Quizzes: 10%

Midterm: 30%

Final: 30%

Make-up Exams: Makeup exam will be given for genuine reasons such as medical or acute emergency, and proof documentation will be required. Ultimately, the instructor will decide if the evidence is permissible or not.

Expectations for Out-of-Class Study: This is a three credit course and requires learning programming. Students must spend time to study the material and not just rely on class lecture notes. The text book is the main teaching material.

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://wwwb.uta.edu/aao/fao/>).

Disability Accommodations: UTA 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 UTA 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). Only those students who have officially documented a need for an accommodation will have their request honored. 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.

Information regarding diagnostic criteria and policies for obtaining disability-based academic accommodations can be found at www.uta.edu/disability.

Counseling and Psychological Services, (CAPS) www.uta.edu/caps/ or calling 817-272-3671.

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 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. For information regarding Title IX, 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.

Lab Safety Training: The course will include an *optional lab. **Students registered for this course must complete all required lab safety training prior to entering the lab and undertaking any activities.** Once completed, Lab Safety Training is valid for the remainder of the same academic year (i.e., through the following August) and must be completed anew in subsequent years. There are no exceptions to this University policy. Failure to complete the required training will preclude participation in any lab activities, including those for which a grade is assigned.

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 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 toward the nearest exit, [which is located \[insert a description of the nearest exit/emergency exit\]](#). 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 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 <http://www.uta.edu/universitycollege/resources/index.php>

Success Series: The Success Series is a workshop series designed to improve academic success and enhance important life skills. Topics range from basic skills such as effective note taking, tips for taking online classes, and how to become a better presenter to information about getting a job on campus and studying abroad. It is also a great way to learn about resources available and services offered by the various departments here at UTA. Visit the website uta.edu/successseries to see the full schedule of upcoming topics and dates.

Final Review Week

For semester-long courses, 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.

Classroom Technology: Although laptops are an essential part of our educational process in today's tech-savvy era, the Student Success course requires that if you bring a laptop into the classroom, its use is restricted to classroom activities pertinent to that day's subject only. This means that students may not bring a laptop into the classroom and use that laptop for checking their email,

browsing Facebook, surfing the web, or use it to complete other course work. NO EXCEPTION WILL BE MADE. If a student is found using their laptop for anything other than Student Success coursework, that student will be invited to leave the class for that day and will be marked as having an unexcused absence.

Cell phones, MP3 players, beepers, and any other personal technology device should be placed on silent mode during class time. Interruptions such as ringing, beeping, vibrating, etc. will not be tolerated. Should a device “go off” during class time, the student will be invited to leave the class and will be marked as having an unexcused absence.

RESOURCES FOR STUDENTS

Library (library.uta.edu)

Research or General Library Help

Academic Plaza Consultation Services: library.uta.edu/academic-plaza

Ask Us: ask.uta.edu/

Library Tutorials: library.uta.edu/how-to

Subject and Course Research Guides: libguides.uta.edu

Librarians by Subject: library.uta.edu/subject-librarians

Research Coaches: <http://libguides.uta.edu/researchcoach>

Resources

A to Z List of Library Databases: libguides.uta.edu/az.php

Course Reserves: pulse.uta.edu/vwebv/enterCourseReserve.do

FabLab: fablab.uta.edu/

Maverick Resource Hotline: <https://www.uta.edu/studentssuccess/success-programs/programs/resource-hotline.php>

Scholarly Communications (info about digital humanities, data management, data visualization, copyright, open educational resources, open access publishing, and more): <http://library.uta.edu/scholcomm>

Special Collections: library.uta.edu/special-collections

Study Room Reservations: openroom.uta.edu/

TRiO-Student Support Services: <https://www.uta.edu/studentssuccess/learning-center/sss/index.php>

University Tutorial & Supplemental Instruction: <https://www.uta.edu/studentssuccess/learning-center/utsi/index.php>

Other Resources

Environmental Health & Safety (<http://www.uta.edu/ehsafety>)

Course Schedule

Standard control
Basic Data Type
Loops
 Assignment
 Midterm
Strings
 Assignment
Arrays
 Assignment
Pointers
Structures
 Assignment
Bit manipulations
Input/Output
Files
 Final Exam
 There will be pop quizzes.

“The instructor for this course reserves the right to adjust this schedule in any way that serves the educational needs of the students enrolled in this course. –Dr. Ishfaq Ahmad.”

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