

## CIS 3303, Programming Logic and Design Spring 2023 Texas A&M University-Central Texas

### COURSE DATES, MODALITY, AND LOCATION

Programming Logic and Design is an online course. The materials available online through the A&M-Central Texas Canvas Learning Management System found here: <https://tamuct.instructure.com/>.

**Reach me out for any questions.**

**INSTRUCTOR AND CONTACT INFORMATION** Instructor: Dr. Deepti Gupta

**Email:** d.gupta@tamuct.edu (Preferred method of communication.)

**Office Hours:** Wednesday 12:00 am – 1:00 am, meeting online based on emails

### Student-instructor interaction:

Students are encouraged to send all course-related correspondence to Canvas email message.

**SAFEZONE.** SafeZone provides a public safety application that gives you the ability to call for help with the push of a button. It also provides Texas A&M University-Central Texas the ability to communicate emergency information quickly via push notifications, email, and text messages. All students automatically receive email and text messages via their myCT accounts.

Downloading SafeZone allows access to push notifications and enables you to connect directly for help through the app.

You can download SafeZone from the app store and use your myCT credentials to log in. If you would like more information, you can visit the SafeZone website [[www.safezoneapp.com](http://www.safezoneapp.com)].

To register SafeZone on your phone, please follow these 3 easy steps:

1. Download the SafeZone App from your phone store using the link below:
  1. iPhone/iPad: [<https://apps.apple.com/app/safezone/id533054756>]
  2. Android Phone / Tablet
2. [<https://play.google.com/store/apps/details?id=com.criticalarc.safezoneapp>] 2. Launch the app and enter your myCT email address (e.g. {name}@tamuct.edu)
3. **For updates on COVID information**, please monitor the University website[<https://www.tamuct.edu/covid19/>]

### COURSE INFORMATION

#### Course Overview and Description

This course introduces computer programming and problem solving in a structured program logic environment. Study the logic of decision-making, nested looping, multidimensional arrays, implementation of the structure theorem and Boolean algebra. Utilize structured flowcharts, structured pseudocode, hierarchy charts and decision tables, in order to document logical problem solutions. The course focuses on business problem solving and does not count as a programming language. No prior programming experience is necessary.

#### Course Objective or Goal Student Learning Outcomes

By the end of this course, students will be able to:

- Demonstrate an understanding of pseudocode by designing applications requiring the use of variables, conditional statements, loops, and files.
- Demonstrate an understanding of flowcharts by designing applications requiring the use of variables, conditional statements, loops, and files.
- Demonstrate an understanding of structured programming by designing applications.

## REQUIRED READING AND TEXTBOOK

**Title:** Starting Out with Python (No REVEL or MyLab Programming) **Authors:** Tony Gaddis

**Edition:** 4th

**Publisher:** Pearson Education, Inc.

**Paperback ISBN:** 9780134444321

## COURSE REQUIREMENTS

**Meet & Greet Discussion Forum:** This assignment will be an in-class discussion where we introduce ourselves to one another. Only share what you are comfortable with. The Meet & Greet discussion forum is worth a maximum of ten (10) points.

**Quizzes:** There will be 12 quizzes to be completed in the A&M-Central Texas Canvas Learning Management System. Each quiz includes 20 multiple-choice and/or True/False questions to be answered in a 55-minute timeframe. Each quiz includes two (2) attempts with the highest score recorded in the grade book. Each quiz is worth a maximum of 15 points each for a maximum total of 180 points.

**Homework:** There will be 12 homework assignments to be completed in the A&M-Central Texas Canvas Learning Management System. Each homework assignment includes five (5) practical application programming questions (save Homework #11 which has three (3) questions). The homework assignments are not timed. Each homework assignment includes one (1) attempt. Each homework is worth a maximum of 15 points each for a maximum total of 180 points.

**Programming Exercises:** There will be four (4) group programming exercises to be completed in the A&M-Central Texas Canvas Learning Management System. The programming exercises include one (1) attempt, are not timed, and contain four (4) questions each. Each programming exercise is worth a maximum of 32.5 points each for a maximum total of 130 points.

**Please enroll yourself in the project group.**

## Grading Criteria Rubric and Conversion

The distribution of points for various student activities and the grading scheme are mentioned below:

Required Activity	Quantity	Points	Total
Meet & Greet Discussion Forum	1	10	10
Quizzes	12	15	180
Homework	12	15	180
Programming exercise	4	32.5	130
Total			500

Point Range	Letter Grade
500-450	A

449-400	B
399-350	C
349-300	D
299-0	F

## Posting of Grades

Grades will be posted to the Canvas grade book as assignments are graded. This will typically be done once all students have submitted the assignment.

## Grading Policies

All assignments must be submitted before the posted deadline. No late assignments will be accepted.

## COURSE OUTLINE AND CALENDAR

Week	Learning Materials	Deliverables
1	Syllabus Chapter 1 PPTs/Lecture Materials Chapter 1 Supplemental Videos	Meet & Greet Discussion Forum Self-Enroll in Groups for Case Studies, Quiz #1 Homework #1
2	Chapter 2 PPTs/Lecture Materials Chapter 2 Supplemental Videos	Quiz #2 Homework #2
3	Chapter 3 PPTs/Lecture Materials Chapter 3 Supplemental Videos	Quiz #3 Homework #3
4		Group Programming Exercise #1
5	Chapter 4 PPTs/Lecture Materials Chapter 4 Supplemental Videos	Quiz #4 Homework #4
6	Chapter 5 PPTs/Lecture Materials Chapter 5 Supplemental Videos	Quiz #5 Homework #5
7	Chapter 6 PPTs/Lecture Materials Chapter 6 Supplemental Videos	Quiz #6 Homework #6
8		Group Programming Exercise #2
9	Chapter 7 PPTs/Lecture Materials Chapter 7 Supplemental Videos	Quiz #7 Homework #7
10	Chapter 8 PPTs/Lecture Materials Chapter 8 Supplemental Videos	Quiz #8 Homework #8
11	Chapter 9 PPTs/Lecture Materials Chapter 9 Supplemental Videos	Quiz #9 Homework #9
12		Group Programming Exercise #3
13	Chapter 10 PPTs/Lecture Materials Chapter 10 Supplemental Videos	Quiz #10 Homework #10
14	Chapter 11 PPTs/Lecture Materials Chapter 11 Supplemental Videos	Quiz #11 Homework #11

15 Chapter 12 Textbook, Chapter 12 PPTs

Quiz #12 Homework #12

16

Group Programming Exercise #4

**Important University Dates:**

Please visit the following link to access 2022-2023 academic calendar:

<https://www.tamuct.edu/registrar/academic-calendar.html>

**TECHNOLOGY REQUIREMENTS AND SUPPORT****Technology Requirements**

This course will use the A&M-Central Texas Instructor Canvas learning management system.

**We strongly recommend the latest versions of Chrome or Firefox browsers. Canvas no longer supports any version of Internet Explorer.**

Logon to A&M-Central Texas Canvas [<https://tamuct.instructure.com>].

Username: Your MyCT username (xx123 or everything before the "@" in your MyCT e-mail address)

Password: Your MyCT password

**Canvas Support**

Use the Canvas Help link, located at the bottom of the left-hand menu, for issues with Canvas. You can select "Chat with Canvas Support," submit a support request through "Report a Problem," or call the Canvas support line: 1-844-757-0953.

For issues related to course content and requirements, contact your instructor.

**Other Technology Support**

For log-in problems, students should contact Help Desk Central.

24 hours a day, 7 days a week:

Email: [helpdesk@tamu.edu](mailto:helpdesk@tamu.edu) Phone: (254) 519-5466

Web Chat: [<http://hdc.tamu.edu>]

*Please let the support technician know you are an A&M-Central Texas student.*

**UNIVERSITY RESOURCES, PROCEDURES, AND GUIDELINES****Academic Accommodations**

At Texas A&M University-Central Texas, we value an inclusive learning environment where every student has an equal chance to succeed and has the right to a barrier-free education. The Warrior Center for Student Success, Equity and Inclusion is responsible for ensuring that students with a disability receive equal access to the university's programs, services and activities. If you believe you have a disability requiring reasonable accommodations, please contact the Office of Access and Inclusion, WH-212; or call (254) 501-5836. Any information you provide is private and confidential and will be treated as such.

For more information, please visit our Access & Inclusion Canvas page (log-in required)

[<https://tamuct.instructure.com/courses/717>]

**Academic Integrity**

Texas A&M University-Central Texas values the integrity of the academic enterprise and strives for the highest standards of academic conduct. A&M-Central Texas expects its students, faculty, and staff to support the

adherence to high standards of personal and scholarly conduct to preserve the honor and integrity of the creative community. Any deviation by students from this expectation may result in a failing grade for the assignment and potentially a failing grade for the course. All academic misconduct concerns will be referred to the Office of Student

Conduct. When in doubt on collaboration, citation, or any issue, please contact your instructor before taking a course of action.

For more information regarding the student conduct process, [<https://www.tamuct.edu/student-affairs/student-conduct.html>].

If you know of potential honor violations by other students, you may submit a referral, [[https://cm.maxient.com/reportingform.php?TAMUCentralTexas&layout\\_id=0](https://cm.maxient.com/reportingform.php?TAMUCentralTexas&layout_id=0)].

## **Drop Policy**

If you discover that you need to drop this class, you must complete the Drop Request Dynamic Form through Warrior Web.

Faculty cannot drop students; this is always the responsibility of the student. The Registrar's Office will provide a deadline on the Academic Calendar for which the form must be completed. Once you submit the completed form to the Registrar's Office, you must go into Warrior Web and confirm that you are no longer enrolled. If you still show as enrolled, FOLLOW-UP with the Registrar's Office immediately. You are to attend class until the procedure is complete to avoid penalty for absence. Should you miss the drop deadline or fail to follow the procedure, you will receive an F in the course, which may affect your financial aid and/or VA educational benefits.

## **Important information for Pregnant and/or Parenting Students**

Texas A&M University-Central Texas supports students who are pregnant, experiencing pregnancy-related conditions, and/or parenting. In accordance with requirements of Title IX and related guidance from US Department of Education's Office of Civil Rights, the Dean of Student Affairs' Office can assist students who are pregnant and/or parenting in seeking accommodations related to pregnancy and/or parenting. Students should seek out assistance as early in the pregnancy as possible. For more information, please visit Student Affairs [<https://www.tamuct.edu/student-affairs/pregnant-and-parenting-students.html>]. Students may also contact the institution's Title IX Coordinator. If you would like to read more about these requirements and guidelines online, please visit the website [<http://www2.ed.gov/about/offices/list/ocr/docs/pregnancy.pdf>].

Title IX of the Education Amendments Act of 1972 prohibits discrimination on the basis of sex and gender—including pregnancy, parenting, and all related conditions. A&M-Central Texas is able to provide flexible and individualized reasonable accommodation to pregnant and parenting students. All pregnant and parenting students should contact the Associate Dean in the Division of Student Affairs at (254) 501-5909 to seek out assistance. Students may also contact the University's Title IX Coordinator.

## **Tutoring**

Tutoring is available to all A&M-Central Texas students, both virtually and in-person. Student success coaching is available online upon request.

If you have a question, are interested in becoming a tutor, or in need of success coaching contact the Warrior Center for Student Success, Equity and Inclusion at (254) 501-5836, visit the Warrior Center at 212 Warrior Hall, or by emailing [WarriorCenter@tamuct.edu](mailto:WarriorCenter@tamuct.edu).

To schedule tutoring sessions and view tutor availability, please visit Tutor Matching Services [<https://tutormatchingservice.com/TAMUCT>] or visit the Tutoring Center in 111 Warrior Hall.

Chat live with a remote tutor 24/7 for almost any subject from on your computer! Tutor.com is an online tutoring platform that enables A&M-Central Texas students to log in and receive online tutoring support at no additional cost. This tool provides tutoring in over 40 subject areas except writing support. Access Tutor.com through Canvas.

## **University Library & Archives**

The University Library & Archives provides many services in support of research across campus and at a distance. We offer over 200 electronic databases containing approximately 400,000 eBooks and 82,000 journals, in addition to the 96,000 items in our print collection, which can be mailed to students who live more than 50 miles from campus. Research guides for each subject taught at A&M-Central Texas are available through our website to help students navigate these resources. On campus, the library offers technology including cameras, laptops, microphones, webcams, and digital sound recorders.

Research assistance from a librarian is also available 24 hours a day through our online chat service, and at the reference desk when the library is open. Research sessions can be scheduled for more comprehensive assistance, and may take place virtually through WebEx, Microsoft Teams or in-person at the library. Schedule an appointment here [<https://tamuct.libcal.com/appointments/?g=6956>]. Assistance may cover many topics, including how to find articles in peer-reviewed journals, how to cite resources, and how to piece together research for written assignments.

Our 27,000-square-foot facility on the A&M-Central Texas main campus includes student lounges, private study rooms, group work spaces, computer labs, family areas suitable for all ages, and many other features. Services such as interlibrary loan, TexShare, binding, and laminating are available. The library frequently offers workshops, tours, readings, and other events. For more information, please visit our Library website [<http://tamuct.libguides.com/index>]

## **University Writing Center**

University Writing Center: Located in Warrior Hall 416, the University Writing Center (UWC) at Texas A&M University–Central Texas (A&M–Central Texas) is a free service open to all A&M–Central Texas students. The hours of operation are from 10:00 a.m.-5:00 p.m. Monday thru Thursday in Warrior Hall 416 (with online tutoring available every hour as well) with satellite hours available online only Monday thru Thursday from 6:00-9:00 p.m. and Saturday 12:00-3:00 p.m.

Tutors are prepared to help writers of all levels and abilities at any stage of the writing process. While tutors will not write, edit, or grade papers, they will assist students in developing more effective composing practices. By providing a practice audience for students' ideas and writing, our tutors highlight the ways in which they read and interpret students' texts, offering guidance and support throughout the various stages of the writing process. In addition, students may work independently in the UWC by checking out a laptop that runs the Microsoft Office suite and connects to WIFI, or by consulting our resources on writing, including all of the relevant style guides. Whether you need help brainstorming ideas, organizing an essay, proofreading, understanding proper citation practices, or just want a quiet place to work, the UWC is here to help!

Students may arrange a one-to-one session with a trained and experienced writing tutor by making an appointment via WOnline [<https://tamuct.mywconline.com/>]. In addition, you can email Dr. Bruce Bowles Jr. at [bruce.bowles@tamuct.edu](mailto:bruce.bowles@tamuct.edu) if you have any questions about the UWC, need any assistance with scheduling, or would like to schedule a recurring appointment with your favorite tutor.

## **OPTIONAL POLICY STATEMENTS**

### **A Note about Sexual Violence at A&M-Central Texas**

Sexual violence is a serious safety, social justice, and public health issue. The university offers support for anyone struggling with these issues. University faculty are mandated reporters, so if someone discloses that they

were sexually assaulted (or a victim of Domestic/Dating Violence or Stalking) while a student at TAMUCT, faculty members are required to inform the Title IX Office. If you want to discuss any of these issues confidentially, you can do so through Student Wellness and Counseling (254-501-5955) located on the second floor of Warrior Hall (207L).

Sexual violence can occur on our campus because predators often feel emboldened, and victims often feel silenced or shamed. It is incumbent on ALL of us to find ways to actively create environments that tell predators we don't agree with their behaviors and tell survivors we will support them. Your actions matter. Don't be a bystander; be an agent of change. For additional information on campus policy and resources visit the Title IX webpage [<https://www.tamuct.edu/compliance/titleix.html>].

### **Behavioral Intervention**

Texas A&M University-Central Texas cares about the safety, health, and well-being of its students, faculty, staff, and community. If you are aware of individuals for whom you have a concern, please make a referral to the Behavioral Intervention Team. Referring your concern shows you care. You can complete the referral online

[[https://cm.maxient.com/reportingform.php?TAMUCentralTexas&layout\\_id=2](https://cm.maxient.com/reportingform.php?TAMUCentralTexas&layout_id=2)].

Anonymous referrals are accepted. Please see the Behavioral Intervention Team website for more information [<https://www.tamuct.edu/bit>]. If a person's behavior poses an imminent threat to you or another, contact 911 or A&M-Central Texas University Police at 254-501-5805.