

CIS 3303, Programming Logic and Design
Fall 2021
Texas A&M University-Central Texas

COURSE DATES, MODALITY, AND LOCATION

Course Dates: August 23, 2021 – December 10, 2021

This is a 100% online course and uses the A&M-Central Texas Canvas Learning Management System [<https://tamuct.instructure.com/>]. The course syllabus, schedule, supplemental readings, class announcements, presentations, learning modules, assignments, exams, and other course materials will be posted to Canvas.

INSTRUCTOR AND CONTACT INFORMATION

Instructor: Alex Burnett-Hayes

Phone: 737-444-7333 (Please use for emergencies only.)

Email: alex.burnett-hayes@tamuct.edu (Preferred method of communication.)

Office Hours

I am available to all students on an appointment basis. Please send an email to the above address to schedule an appointment. Meeting options are via WebEx or telephone. All appointments will be confirmed with an email sent from me to your Warrior email account. When sending an email, please utilize only your Warrior account. Emails sent from other providers will not be answered.

Student-instructor interaction

I will respond to all student emails within 24 hours of receipt.

WARRIOR SHIELD

Emergency Warning System for Texas A&M University-Central Texas
Warrior Shield is an emergency notification service that gives Texas A&M University-Central Texas the ability to communicate health and safety emergency information quickly via email, text message, and social media. All students are automatically enrolled in Warrior Shield through their myCT email account.

Connect to Warrior Shield by [911Cellular](https://portal.publicsafetycloud.net/Account/Login) [<https://portal.publicsafetycloud.net/Account/Login>] to change where you receive your alerts or to opt out. By staying enrolled in Warrior Shield, university officials can quickly pass on safety-related information, regardless of your location.

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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

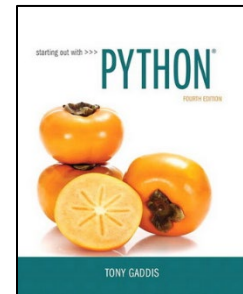
Title: Starting Out with Python

Authors: Tony Gaddis

Edition: 4th

Publisher: Pearson Education, Inc.

Paperback ISBN: 9780134444321



COURSE REQUIREMENTS

Meet & Greet Discussion Forum: There will be one (1) meet & greet discussion forum to be completed in the A&M-Central Texas Canvas Learning Management System. Students must make an initial post providing a brief (about two short paragraphs) description of themselves and why they are taking the class. The Meet & Greet discussion forum is worth a maximum of ten (10) points.

Group Discussion Forums: There will be two (2) group discussion forums. The group discussion forums will initiate with an instructor posed question. Students must make an initial post and a minimum of two reply posts to their classmates. The reply post requirement necessitates a response to two (2) different members of the class. Continued conversations beyond the minimum reply posts required are encouraged. All posts should be substantive. The group discussion forums are worth a maximum of 10 points each for a maximum total of 20 points.

Quizzes: There will be 13 quizzes to be completed in the A&M-Central Texas Canvas Learning Management System. Each quiz includes 15 multiple-choice and/or True/False questions to be answered in a 45-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 195 points.

Homework: There will be 11 homework assignments to be completed in the A&M-Central Texas Canvas Learning Management System. Each homework assignment includes ten (10) practical application and conceptual programming questions of the multiple-choice question type necessitating the use of Python to answer mostly. The homework assignments are not timed. Each homework assignment includes three (3) attempts with the highest score recorded in the grade book. If you decide to pursue a second or third attempt, you will not have to start over; instead, you can revise any previous attempt. Each homework is worth a maximum of 10 points each for a maximum total of 110 points.

Group Programming Exercises: There will be four (4) group programming exercises to be completed in the A&M-Central Texas Canvas Learning Management System. The group programming exercises include one (1) attempt, are not timed, and contain two (2) – four (4) questions. Students will self-enroll in groups of five (5) to seven (7) students dependent upon enrollment. Each group programming exercise is worth a maximum of 21.25 points each for a maximum total of 85 points.

Exams: There will be two (2) exams to be completed in the A&M-Central Texas Canvas Learning Management System. Each exam includes 40 multiple-choice and/or True/False questions to be answered in a 120-minute timeframe. Each exam includes one (1) attempt. Each exam is worth a maximum of 40 points each for a maximum total of 80 points.

Grading Criteria Rubric and Conversion

Required Activity		Quantity	Points	Total
Meet & Greet Discussion Forum	(2%)	1	10	10
Group Discussion Forums	(4%)	2	10	20
Quizzes	(39%)	13	15	195
Homework	(22%)	11	10	110
Group Programming Exercises	(17%)	4	21.25	85
Exams	(16%)	2	40	80
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	Dates	Learning Materials	Deliverables
1	08/23 - 08/29	Read the Syllabus	Meet & Greet Discussion Forum Install Python 3.9.6
2	08/30 - 09/05	Chapter 1 Textbook Chapter 1 PPTs	Quiz #1 Homework #1
3	09/06 - 09/12	Chapter 2 Textbook Chapter 2 PPTs	Quiz #2 Homework #2
4	09/13 - 09/19	Chapter 3 Textbook Chapter 3 Textbook	Quiz #3 Homework #3 Group Programming Exercise #1
5	09/20 - 09/26	Chapter 4 Textbook Chapter 4 PPTs	Quiz #4 Homework #4
6	09/27 - 10/03	Chapter 5 Textbook Chapter 5 PPTs	Quiz #5 Homework #5
7	10/04 - 10/10	Chapter 6 Textbook Chapter 6 PPTs	Quiz #6 Homework #6 Group Programming Exercise #2
8	10/11 - 10/17		Exam #1
9	10/18 - 10/24	Chapter 7 Textbook Chapter 7 PPTs	Quiz #7 Homework #7
10	10/25 - 10/31	Chapter 8 Textbook Chapter 8 PPTs	Quiz #8 Homework #8
11	11/01 - 11/07	Chapter 9 Textbook Chapter 9 PPTs	Quiz #9 Homework #9 Group Programming Exercise #3
12	11/08 - 11/14	Chapter 10 Textbook Chapter 10 PPTs	Quiz #10 Homework #10
13	11/15 - 11/21	Chapter 11 Textbook Chapter 11 PPTs	Quiz #11 Group Discussion Forum #1
14	11/22 - 11/28	Chapter 12 Textbook Chapter 12 PPTs	Quiz #12 Homework #11 Group Programming Exercise #4
15	11/29 - 12/05	Chapter 13 Textbook Chapter 13 PPTs	Quiz #13 Group Discussion Forum #2
16	12/06 - 12/10		Exam #2

Important University Dates

Please see the attached link for the A&M-Central Texas Academic Calendars, which track important deadlines and dates for the school year and semesters: <https://www.tamuct.edu/registrar/academic-calendar.html>

TECHNOLOGY REQUIREMENTS AND SUPPORT

This course will use Python 3.9.6. Please access this link for download instructions: <https://www.python.org/downloads/>. Detailed installation instructions are provided in Canvas.

Technology Requirements

This course will use the A&M-Central Texas Instructure 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/>] or access Canvas through the TAMUCT Online link in my CT [<https://tamuct.onecampus.com/>]. You will log in through our Microsoft portal.

Username: Your MyCT email 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.

ONLINE PROCTORED TESTING

Texas A&M University -Central Texas uses Proctorio for online identity verification and proctored testing. This service is provided at no direct cost to students. If the course requires identity verification or proctored testing, the technology requirements are: Any computer meeting the minimum computing requirements, plus web camera, speaker, and microphone (or headset). Proctorio also requires the Chrome web browser with their custom plug in.

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

Phone: (254) 519-5466

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

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

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UNIVERSITY RESOURCES, PROCEDURES, AND GUIDELINES

Drop Policy

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

[<https://dynamicforms.ngwebsolutions.com/casAuthentication.ashx?InstID=eaed95b9-f2be-45f3-a37d-46928168bc10&targetUrl=https%3A%2F%2Fdynamicforms.ngwebsolutions.com%2FSubmit%2FForm%2FStart%2F53b8369e-0502-4f36-be43-f02a4202f612>].

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.

Academic Integrity

Texas A&M University - Central Texas values the integrity of the academic enterprise and strives for the highest standards of academic conduct. Texas A&M University -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. Academic integrity is defined as a commitment to honesty, trust, fairness, respect, and responsibility. Any deviation by students from this expectation may result in a failing grade for the assignment and potentially a failing grade for the course. Academic misconduct is any act that improperly affects a true and honest evaluation of a student's academic performance and includes, but is not limited to, working with others in an unauthorized manner, cheating on an examination or other academic work, plagiarism and improper citation of sources, using another student's work, collusion, and the abuse of resource materials. All academic misconduct concerns will be referred to the university's Office of Student Conduct. Ignorance of the university's standards and expectations is never an excuse to act with a lack of integrity. 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 report](#), [https://cm.maxient.com/reportingform.php?TAMUCentralTexas&layout_id=0].

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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 Office of Access 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](https://tamuct.instructure.com/courses/717) Canvas page (log-in required) [https://tamuct.instructure.com/courses/717]

Important information for Pregnant and/or Parenting Students

Texas A&M University - Central Texas supports students who are pregnant and/or parenting. In accordance with requirements of Title IX and related guidance from U.S. 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/index.html) [https://www.tamuct.edu/student-affairs/index.html]. Students may also contact the institution's Title IX Coordinator. If you would like to read more about these [requirements and guidelines](http://www2.ed.gov/about/offices/list/ocr/docs/pregnancy.pdf) 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. Texas A&M University - 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 Texas A&M University -Central Texas students, on a remote online basis. Visit the Academic Support Community in Canvas to view schedules and contact information. Subjects tutored on campus include Accounting, Advanced Math, Biology, Finance, Statistics, Mathematics, and Study Skills. Student success coaching is available online upon request.

If you have a question regarding tutor schedules, need to schedule a tutoring session, are interested in becoming a tutor, success coaching, or have any other question, contact Academic Support Programs at (254) 501-5836, visit the Office of Student Success at 212F Warrior Hall, or by emailing studentsuccess@tamuct.edu .

Chat live with a tutor 24/7 for almost any subject from on your computer! Tutor.com is an online tutoring platform that enables Texas A&M University -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 Writing Center

The University Writing Center (UWC) at Texas A&M University–Central Texas (TAMUCT) is a free service open to all TAMUCT students. For the Spring 2021 semester, all services will be online as a result of the COVID-19 pandemic. The hours of operation are from 10:00 a.m.-5:00 p.m. Monday thru Thursday with satellite hours Monday thru Thursday from 6:00-9:00 p.m. The UWC is also offering hours from 12:00-3:00 p.m. on Saturdays.

Tutors are prepared to help writers of all levels and abilities at any stage of the writing process. 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. While tutors will not write, edit, or grade papers, they will assist students in developing more effective composing practices. 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 [WConline](https://tamuct.mywconline.com/) [https://tamuct.mywconline.com/]. In addition, you can email Dr. Bruce Bowles Jr. at bruce.bowles@tamuct.edu if you have any questions about the UWC and/or need any assistance with scheduling.

University Library

The University Library provides many services in support of research across campus and at a distance. We offer over 200 electronic databases containing approximately 250,000 eBooks and 82,000 journals, in addition to the 85,000 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 on Skype or in-person at the library. 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 Texas A&M University -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) [http://tamuct.libguides.com/index].

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OPTIONAL POLICY STATEMENTS

A Note about Sexual Violence at Texas A&M University -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 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) [<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](https://cm.maxient.com/reportingform.php?TAMUCentralTexas&layout_id=2) online [https://cm.maxient.com/reportingform.php?TAMUCentralTexas&layout_id=2].

Anonymous referrals are accepted. Please see the [Behavioral Intervention Team](https://www.tamuct.edu/student-affairs/bat.html) website for more information [<https://www.tamuct.edu/student-affairs/bat.html>]. If a person's behavior poses an imminent threat to you or another, contact 911 or A&M-Central Texas University Police at 254-501-5800.

OTHER POLICIES

The instructor reserves the right to modify the course syllabus during the semester for the benefit of the students.

The instructor reserves the right to supplement materials presented in the text with additional course material that may help the students better understand a topic(s).

Copyright Notice

Students should assume that all course material is copyrighted by the respective author(s). Reproduction of course material is prohibited without consent by the author and/or course instructor. Violation of copyright is against the law and Texas A&M University-Central Texas' Code of Academic Honesty. All alleged violations will be reported to the Office of Student Conduct.

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