

# College of Business Administration

**CIS 5302-120, CRN 11365, Object Oriented Programming**

**Online course**

**Spring 2022**

**Texas A&M University-Central Texas**

## **COURSE DATES, MODALITY, AND LOCATION**

This is a 100% online course. All course contents will be made available online using the TAMUCT Canvas Learning Management System: [<https://tamuct.instructure.com>]. All announcement regarding homework assignments, class tests, discussions, exams will be posted in Canvas. Students are required to access Canvas course page **at least twice a week** to get any update regarding this course. Online learning requires all the enrolled students to self-paced and prepare themselves to comply with assigned class assignments and exams.

## **INSTRUCTOR AND CONTACT INFORMATION**

**Instructor: Abhijit K Nag, Ph.D.**

**Office: FH 323**

**Phone: (254)501-5933 (COBA office)**

**Email: Canvas Inbox (preferred).** If the canvas is unavailable, email me: [aknag@tamuct.edu](mailto:aknag@tamuct.edu).

## **Office Hours**

Tuesday: 12:00 pm -1:00 pm (virtually via course chat option or WebEx/Teams meeting). I will also be available for students on an appointment basis. Send me an email ([aknag@tamuct.edu](mailto:aknag@tamuct.edu)) to schedule an appointment to meet.

## **Student-instructor interaction**

Students are encouraged to send all course-related correspondence to Canvas email message. Students will use TAMUCT email only when Canvas is not available. Students should use their university email address to send the email to the course instructor.

## **WARRIOR SHIELD**

### **Emergency Warning System for Texas A&M University-Central Texas**

**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](http://www.safezoneapp.com) website [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:
  - o [iPhone/iPad](https://apps.apple.com/app/safezone/id533054756): [https://apps.apple.com/app/safezone/id533054756]
  - o [Android Phone / Tablet](https://play.google.com/store/apps/details?id=com.criticalarc.safezoneapp)  
[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. Complete your profile and accept the terms of service

## **COURSE INFORMATION**

### **Course Overview and description**

This course covers the concepts of object-oriented approach to software design and development. It includes a detailed discussion of programming concepts starting with the fundamentals of data types, control structures, arrays, classes and proceeding to advanced topics such as inheritance and polymorphism, creating user interfaces, and exceptions. Upon completion of this course, the students will be able to design and implement applications.

### **Course Objective or Goal**

#### **Student Learning Outcomes**

- Demonstrate an understanding of pseudo code by designing applications requiring the use of variables, conditional statements, loops, arrays, and files.
- Demonstrate an understanding of flowcharting by designing applications requiring the use of variables, conditional, statements, loops, arrays, and files.
- Demonstrate an understanding of object oriented techniques by designing an application using this technique.
- Demonstrate an understand of programming by implementing applications requiring the use of variables, conditional, statements, loops, arrays, and files.

**Competency Goals Statements (certification or standards) : None.**

### **Required Reading and Textbook(s)**

**Java: How to Program Early Objects (11 edition)**

**Author:** Paul Deitel and Harvey Deitel.

**ISBN:** 978-0134743356.

**Note:** An electronic version of the book may be available. A student of this institution is not under any obligation to purchase a textbook from a university-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

**Supplemental Material:** The course textbook will be supplemented with other materials including handouts, oral presentations, software demonstration, PowerPoint presentations, etc.

## **COURSE REQUIREMENTS**

**Course Requirements:**

All assigned chapters will be used as a basis for canvas discussions. Students are expected to study the required chapter as part of each week's reading session.

Students are required to complete five programming assignments, one midterm exam, one final exam, three discussion questions, and one class project. The topic of all exams will be declared in the Canvas **Announcement** Tab.

### Exams

There will be one midterm and one final exam. The midterm exam will contain **200** points, and the final exam will contain **200** points. The final exam will **NOT** be comprehensive for this course. The exam question formats will be discussed in the class.

### Assignments

Five programming assignments (homework assignments) will be given to the students. The due dates of these assignments will be posted in canvas course portal. Each assignment will be worth **60** points. All the assignments should be submitted in a single ZIP file and uploaded to the Canvas course link. Details will be provided in the canvas announcements.

### Course Discussions

Following the course chapter presentations in every week is mandatory for this course. Canvas discussions will be counted toward class participation marks. Canvas discussions will be posted on Discussions tab in Canvas portal. Total discussion questions are worth **60** points (**20** points each).

### Course Project

The class project will worth **220** points, where students will work to design, analyze and build a working prototype system using Java framework. Details of the project requirements and deliverables will be discussed in after the midterm exam. As part of the project, students will require to submit the Java project (as a zip file) to demonstrate the **implemented system**. More details about the project requirements will be posted in Canvas course portal.

### Grading Criteria Rubric and Conversion

The distribution of points in different activities and the grading scheme are mentioned below:

Student Activity	Quantity	Points	Total
Assignments	5	60	300
Midterm Exam	1	210	210
Final Exam	1	210	210
Course Project	1	220	220
Course Discussion	3	20	60
<b>Total</b>			<b>1000</b>

Point Range	Letter Grade
1000-900	A
899-800	B
799-700	C
699-600	D
599-0	F

### Posting of Grades

All students' grade will be posted on the Canvas Grade book, and students can monitor their progress in this course using Canvas Portal. Students can expect to see their grades within two weeks of the closing of class tests, exams, and assignments. Students are expected to visit Canvas course webpage every week multiple times to get any update regarding this course. All updates regarding homework and tests will be posted in "**Announcement**" tab in Canvas course portal.

### Grading Policies

#### Policies related to grading

- All the assignments must be submitted before the posted deadline in Canvas Course Website unless arrangements are made beforehand.
- Assignments and class tests posted before midterm exam cannot be completed/submitted after the midterm exam.
- Assignments more than **48** hours late are subject to **20%** late penalty.
- Requests for **Incomplete grades**:
  - Incompletes will only be given in emergency or other extreme circumstances. Any request for an incomplete grade in this course must be approved by the course professor prior to April 09, 2022. Where possible, requests should be submitted in written form with reasons and must include an address and/or telephone number where you may be contacted throughout the following semester.
  - For a request of an incomplete grade to be considered, at least **70%** of the total course work (**700 points**) must be completed.
  - Finally, approval of an incomplete grade (*I*) is up to the **department chair** and **college Dean**.

#### Instructor's Personal Statement

- 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 to understand the topic better.
- The instructor reserves the right to modify grading policy rubrics. Any Change to grading rubrics will be applied to current and possible future assignments.
- The instructor will not accept any course assignment after **May 06, 2022**, in spring 2022 semester.

## COURSE OUTLINE AND CALENDAR

### Complete Course Calendar

Week	Dates	Topic	Due
1	Jan 18 –Jan 23	Syllabus Overview	
2	Jan 24- Jan 30	Chapter 1 and Chapter 2	
3	Jan 31 – Feb 06	Chapter 4	Discussion 1 Assignment 1
4	Feb 07- Feb 13	Chapter 5	
5	Feb 14- Feb 20	Chapter 6 and Chapter 7	Assignment 2
6	Feb 21-Feb 27	Chapter 8	
7	Feb 28-Mar 06	Chapter 9	Discussion 2 Assignment 3
8	Mar 07-Mar 13	<b>Midterm Exam</b>	Midterm Exam
9	Mar 14 – Mar 20	<b>Spring Break</b>	
10	Mar 21- Mar 27	Chapter 10	
11	Mar 28- Apr 03	Chapter 11	Assignment 4 Discussion 3
12	Apr 04 – Apr 10	Chapter 12	
13	Apr 11 – Apr 17	Chapter 14	
14	Apr 18 – Apr 24	Chapter 15	Assignment 5
15	Apr 25- May 01	Chapter 16	
16	May 02 –May 08	<b>Course project</b>	<b>Code and Report DUE</b>
17	May 09- May 12	<b>Final Exam</b>	<b>Final Exam</b>

### Important University Dates

Please visit <https://www.tamuct.edu/registrar/academic-calendar.html> for important University dates.

## TECHNOLOGY REQUIREMENTS AND SUPPORT

### 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 myCT [<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

A&M-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](mailto: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. 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),  
[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),  
[https://cm.maxient.com/reportingform.php?TAMUCentralTexas&layout\_id=0].

### **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](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 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) [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](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. 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) [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 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. For the Spring 2022 semester, 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/) [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 by making an appointment via [WOnline](https://tamuct.mywconline.com/) [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.

## **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 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) [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) [http://tamuct.libguides.com/index].

## **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) [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/bit) 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.