

# College of Business Administration

CIS 5388-120, CRN 10629, Obj Orient Design & Analysis  
Spring 2019  
Texas A&M University-Central Texas

## **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:**

Monday/Wednesday: 12:00 pm -1:00 pm. 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.

### **Mode of instruction and course access:**

This course meets face-to-face, with some supplemental readings made available online using the TAMUCT Canvas Learning Management System: [<https://tamuct.instructure.com>]. All announcement regarding homework assignments, class tests, midterm/final exams will be posted in Canvas. Students are expected to access Canvas course page regularly to get any update regarding this course.

### **Student-instructor interaction:**

Students are encouraged to send all course-related correspondence to Canvas email message. Students can meet me at regular office hour (mentioned above) or by appointment to discuss any course related issues.

### **911 Cellular:**

Emergency Warning System for Texas A&M University-Central Texas 911Cellular 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 911Cellular through their myCT email account.

In an effort to enhance personal safety on the Texas A&M University – Central Texas (TAMUCT) campus, the TAMUCT Police Department has introduced Warrior Shield by 911 Cellular. [Warrior Shield](https://www.tamuct.edu/police/911cellular.html) [<https://www.tamuct.edu/police/911cellular.html>] can be downloaded and installed on your mobile device from Google Play or Apple Store. Connect at [911Cellular](https://portal.publicsafetycloud.net/Texas-AM-Central/alert-) [<https://portal.publicsafetycloud.net/Texas-AM-Central/alert->

management] to change where you receive your alerts or to opt out. By staying enrolled in 911Cellular, university officials can quickly pass on safety-related information, regardless of your location.

## **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:**

#### **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.
- Demonstrate an understanding of user interface design by implementing applications in Java with GUI interfaces.

### **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**

Students are required to complete five programming assignments, one midterm exam, one final exam, and one class project. The topic of all exams will be declared in the class. **Class attendance is mandatory** for this course. We meet only Mondays during this semester.

## 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.

## 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 class.

## Course Project

The class project will worth 200 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 the class within five weeks. As part of the project, students will require to submit a **project report** and demonstrate the **implemented system**.

## 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
Class participation	1	60	60
<b>Total</b>			1000

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 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.

## COURSE OUTLINE AND CALENDAR

The tentative course outline is mentioned below.

<b>Week</b>	<b>Dates</b>	<b>Topic</b>	<b>Due</b>
<b>1</b>	Jan 14	Chapter 1 and Chapter 2	
<b>2</b>	Jan 21	<b>No Class</b>	
			Assignment 1
<b>3</b>	Jan 28	Chapter 4 and Chapter 5	
<b>4</b>	Feb 4	Chapter 6 and Chapter 7	
<b>5</b>	Feb 11	Chapter 8	Assignment 2
<b>6</b>	Feb 18	Chapter 9	
<b>7</b>	Feb 25	Chapter 10	
			Assignment 3
<b>8</b>	Mar 04	<b>Midterm Exam</b>	
			Midterm Exam
<b>9</b>	Mar 11	<b>Spring Break</b>	
<b>10</b>	Mar 18	Chapter 11	
			Assignment 4
<b>11</b>	Mar 25	Chapter 12	
<b>12</b>	Apr 01	Chapter 24	
<b>13</b>	Apr 08	Chapter 14	Assignment 5
<b>14</b>	Apr 15	Chapter 15	
<b>15</b>	Apr 22	Chapter 19	
<b>16</b>	Apr 29	Chapter 23	<b>Project Presentation and Report Due</b>
<b>17</b>	May 06	Course Review and <b>Final Exam</b>	<b>Final Exam</b>

## **INSTRUCTOR 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 01, 2019. 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, 2019** in Spring 2019 semester.

### **Important University Dates:**

- January 14, 2019 Add, Drop, and Late Registration Begins for 16- and First 8-Week. \$25 fee assessed for late registrants.
- January 14, 2019 Classes Begin for Spring Semester
- January 16, 2019 Deadline for Add, Drop, and Late Registration for 16- and First 8-Week Classes
- January 21, 2019 Martin L. King Jr. Day (University Closed)
- January 22, 2019 Deadline to Drop First 8-Week Classes with No Record
- January 30, 2019 Deadline to Drop 16-Week Classes with No Record
- February 22, 2019 Student End of Course Survey Opens (First 8-Week Classes)
- February 22, 2019 Deadline to Drop First 8-Week Classes with a Quit (Q) or Withdraw (W)
- March 1, 2019 Deadline for Graduation Application for Spring Ceremony Participation
- March 1, 2019 Deadline for Teacher Education and Professional Certification Applications (i.e. Principal, Reading Specialist, etc.)
- March 8, 2019 Classes End for First 8-Week Session
- March 8, 2019 Deadline for Spring Admissions Applications
- March 10, 2019 Student End of Course Survey Closes (First 8-Week Classes)
- March 11, 2019 Spring Break – No Class (University Open)
- March 11, 2019 Deadline for Faculty Submission of First 8-Week Final Class Grades (due by 3pm)
- March 13, 2019 Spring Break – No Class (University Open)
- March 14, 2019 Spring Break – No Class (University Open)

- March 15, 2019 Deadline for Tuition and Fee Payments (Second 8-Week Classes)
- March 15, 2019 Deadline for Clinical Teaching Applications
- March 15, 2019 Spring Break – No Class (University Open)
- March 18, 2019 Add, Drop, and Late Registration Begins for Second 8-Week Classes. \$25 fee assessed for late registrants.
- March 18, 2019 Classes Begin for Second 8-Week Session
- March 20, 2019 Deadline for Add, Drop, and Late Registration for Second 8-Week Classes
- March 25, 2019 Deadline to Drop Second 8-Week Classes with No Record
- April 1, 2019 Deadline for GRE/GMAT Scores to Office of Graduate Studies
- April 5, 2019 Deadline to Drop 16-Week Classes with a Quit (Q) or Withdraw (W)
- April 12, 2019 Deadline for Final Committee-Edited Theses with Committee Approval Signatures to Office of Graduate Studies for Spring Semester
- April 26, 2019 Student End of Course Survey Opens (16- and Second 8-Week Classes)
- April 26, 2019 Deadline to Drop Second 8-Week Classes with a Quit (Q) or Withdraw (W)
- May 10, 2019 Deadline for Applications for \$1,000 Tuition Rebate for Spring Graduation (5pm)
- May 10, 2019 Deadline for Degree Conferral Applications to the Registrar’s Office. \$20 Late Application Fee.
- May 10, 2019 Deadline to Withdraw from the University for 16- and Second 8-Week Classes
- May 10, 2019 Spring Semester Ends
- May 11, 2019 Commencement Ceremony Bell County Expo Center 7:00 p.m.
- May 12, 2019 Student End of Course Survey Closes (16- and Second 8-Week Classes)
- May 14, 2019 Deadline for Faculty Submission of 16-Week and Second 8-Week Final Class Grades (due by 3pm)
- May 14, 2019 Deadline for Thesis to Clear Thesis Office for Spring Semester

## **TECHNOLOGY REQUIREMENTS AND SUPPORT**

### **Technology Requirements**

This course will use the A&M-Central Texas Instructure Canvas learning management system. 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): [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 a [Drop Request Form](https://www.tamuct.edu/registrar/docs/Drop_Request_Form.pdf) [https://www.tamuct.edu/registrar/docs/Drop\_Request\_Form.pdf].

Professors 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, signed and returned. Once you return the signed 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. 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, 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 reported 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.

### **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 Department 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 Department of Access and Inclusion at (254) 501-5831. Any information you provide is private and confidential and will be treated as such.

For more information please visit our [Access & Inclusion](https://www.tamuct.edu/student-affairs/access-inclusion.html) webpage [https://www.tamuct.edu/student-affairs/access-inclusion.html].

Texas A&M University-Central Texas supports students who are pregnant and/or parenting. In accordance with requirements of Title IX and 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. For more information, please visit <https://www.tamuct.departments/index.php>. Students may also contact the institution's Title IX Coordinator. If you would like to read more about these [requirements and guidelines online](https://www2.ed.gov/about/offices/list/ocr/docs/pregnancy.pdf), 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 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 on-campus and online. On-campus subjects tutored include Accounting, Advanced Math, Biology, Finance, Statistics, Mathematics, and Study Skills. Tutors are available at the Tutoring Center in Warrior Hall, Suite 111. If you have a question regarding tutor schedules, need to schedule a tutoring session, are interested in becoming a tutor, or any other question, contact Academic Support Programs at 254-519-5796, or by emailing Dr. DeEadra Albert-Green at [deeadra.albertgreen@tamuct.edu](mailto:deeadra.albertgreen@tamuct.edu).

Chat live with a tutor 24/7 for almost any subject on your computer! Tutor.com is an online tutoring platform that enables A&M-Central Texas students to log-in and receive FREE online tutoring and writing support. This tool provides tutoring in over forty subject areas. Access Tutor.com through Canvas.

**University Writing Center:** Located in 416 Warrior Hall, the University Writing Center (UWC) at Texas A&M University-Central Texas is a free workspace open to all TAMUCT students from 10am-5pm Monday-Thursday with satellite hours in the University Library Monday-Thursday from 6:00-9:00pm. Students may arrange a one-on-one session with a trained and experienced writing tutor by visiting the UWC during normal operating hours (both half-hour and hour sessions are available) or by making an appointment via [WOnline](https://tamuct.mywconline.com/) at [https://tamuct.mywconline.com/]. In addition, you can email Dr. Bruce Bowles Jr. at [bruce.bowles@tamuct.edu](mailto:bruce.bowles@tamuct.edu) to schedule an online tutoring session. 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 University Writing Center is here to help!

If you have any questions about the University Writing Center, please do not hesitate to contact Dr. Bruce Bowles Jr. at [bruce.bowles@tamuct.edu](mailto:bruce.bowles@tamuct.edu).

### **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 72,000 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 twenty-four 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 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](https://tamuct.libguides.com/) [https://tamuct.libguides.com/].

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### **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 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/departments/compliance/titleix.php) [https://www.tamuct.edu/departments/compliance/titleix.php].