

CIS 4352-110 - 80600 - Structured Query Language

Fall 2019

Texas A&M University - Central Texas

COURSE DATES, MODALITY, AND LOCATION

Course Dates: Tuesday-Thursday, 5:30-6:45

Modality: Face-to-Face

Location: Room 308

INSTRUCTOR AND CONTACT INFORMATION

Instructor: Emmet Gray

Office: Founder Hall, Room 323Q

Phone: (254) 519-5754, COBA Admin - (254) 519-5437

Email: Canvas Inbox (preferred) or TAMUCT email (e.gray@tamuct.edu)

Office Hours:

My normal "walk in/no appointment" office hours are shown below. I'm also available outside of those times by appointment

- Mon/Wed - 12:30-1:30
- Tue/Thu - 2:45-3:45

Mode of instruction and course access:

This is a face-to-face course that makes extensive use of the TAMUCT Canvas Learning Management System (<https://tamuct.instructure.com>). The course syllabus, schedule, supplemental readings, class announcements, power point slides, learning modules, homework assignments, exams and other course related documents will be posted on Canvas. Each student is responsible for the posted material, and should check Canvas several times a week for updates

Student-instructor interaction:

I typically respond to Canvas email within 24 hours except on weekends. I can meet with students at the university by appointment.

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 911 Cellular 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-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:

Study relational database schema, formulating queries and sub-queries of varying complexity, embedding query statements in a “host” language, and defining and querying data views.

Prerequisite(s): CIS 4301 or permission of department chair.

Course Objective:

This course provides an introduction on how to use SQL to retrieve data from a database, how to update data in a database, how to build and maintain databases, how to design relational databases, and strategies for displaying data after it has been retrieved.

Student Learning Outcomes:

A student successfully completing this course will be able to:

- Demonstrate the basic structure of a standard SQL query
- Write SQL statements using joins, subqueries, and built-in functions
- Write SQL statements to insert, update, and delete data
- Create views, stored procedures, functions, and triggers
- Describe the fundamentals of database design using normalization

Competency Goals Statements (certification or standards):

Section not used

Required Reading and Textbook(s):

Required:

Beginning Microsoft SQL Server 2012 Programming

Authors: Paul Atkinson, Robert Vieira

Publisher: Wiley & Sons

ISBN: 978-1-118-10228-2

Note: An electronic version of the books may be available.

Note: 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 lecture notes, handouts, oral presentations, industry articles, research paper readings, case studies, Power Point presentations etc.

Required Reading:

The student is expected to read and review all material presented in the assigned chapter prior to class.

COURSE REQUIREMENTS

Course Requirements

Examinations: There will be two exams, one midterm and one final exam. Each is worth 15 points. The midterm covers chapters 1-10, and the final covers chapters 11-17,21. Exams will be conducted in class and will be timed.

Quizzes: There will be 6 take-home small quizzes. Each quiz is worth 5 points. The quizzes will be available via Canvas for a short period of time (typically 1 week), be completed in one session, and be will timed.

Assignments: There will be 6 take-home assignments. Each assignment will be worth 5 points. Assignments will typically be available on Canvas for 2 weeks. Multiple submissions are typically allowed. If an assignment has multiple files, you will be required to “zip” the files prior to submission via Canvas.

Term/Group Project: There will be 1 term project that will be worth 10 points. This assignment will typically be available on Canvas for 4 weeks.

Point Scores: The final grade for the course will be based upon the following:

Item	Quantity	Points	Total	Percent
Exams	2	15.00	30.000	30.0%
Quizzes	6	5.00	30.000	30.0%
Assignments	6	5.00	30.000	30.0%
Term Project	1	10.00	10.000	10.0%
Total			100.000	100.0%

Grade	Points	Percent
A	100 - 90 points	100 - 90%
B	89 - 80 points	89 - 80%
C	79 - 70 points	79 - 70%
D	69 - 60 points	69 - 60%
F	59 - 0 points	59 - 0%

Note: Point scores are not rounded

Grading Criteria Rubric and Conversion

Exams & Quizzes: Exams and quizzes will receive a numeric score (0-100) each. Scores will be converted to points and totaled as shown in the example below:

Quiz	Score	Percent	Max Points	Points
Quiz 1	95	95%	5.00	4.75
Quiz 2	100	100%	5.00	5.00
Quiz 3	80	80%	5.00	4.00
Quiz 4	85	85%	5.00	4.25
Quiz 5	86	86%	5.00	4.30
Quiz 6	88	88%	5.00	4.40

Requirements for Assignments: Assignments must follow the requirements as stated in the Canvas assignment system; demonstrate the concepts; get proper results; be organized, use comments, and use best practices.

The following grading rubric is used for assignments:

Criterion	% of Grade	Excellent (100%)	Adequate (80%)	Poor (60%)	Not Met (0%)
Assignment Requirements	20%	Meets all of the requirements of the assignment	Minor details of the requirements are missing	Significant details of the requirements are missing	Significant portions of the requirements are missing
Chapter Specific Objectives	35%	Fully demonstrates the concepts of the chapter	Applies major and minor concepts of the chapter	Applies only major concepts of the chapter	Chapter concepts not in evidence
Gets proper results	25%	No Errors, Gets Proper Results	Minor errors, Gets Proper Results	Minor errors, does not produce proper results	Does not produce proper results
Best Practices	15%	Queries use best practices at every opportunity	Minor issues with best practices	Large portions have best practices issues	No best practices in evidence
Spelling, grammar, formatting	5%	No more than 1 issue	Between 2-5 issues	Between 5-10 issues	>10 issues

File Naming Convention: Submit your assignments via Canvas using file names with the following format:

CIS4352 [AssignmentID] [LastName.FirstName].[extension]

Example:

CIS4352 Assignment1 Doe.John.docx

Late Policy: Exams, Quizzes, and Assignments are due by midnight on the date assigned in Canvas. Typically, this is 11:59 PM on Wednesdays. A 5-point penalty will be assessed for each day a requirement is late.

Posting of Grades: All student grades will be posted on the Canvas Grade Book and students should monitor their grading status through this tool. Grades will be posted within 7 days after of the due date.

COURSE OUTLINE AND CALENDAR

Complete Course Calendar

Week	Class	Date	DOW	Class Activity	What's Due	Notes
1	1	08/27/2019	Tue	Intro & Chapter 1		
1	2	08/29/2019	Thu	SQL Server	Syllabus	
2	3	09/03/2019	Tue	Chapter 2		
2	4	09/05/2019	Thu	Chapter 3	Assignment 1	
3	5	09/10/2019	Tue	Chapter 4		
3	6	09/12/2019	Thu	Chapter 4	Quiz 1	
4	7	09/17/2019	Tue	Chapter 5		
4	8	09/19/2019	Thu	Chapter 6	Assignment 2	
5	9	09/24/2019	Tue	Chapter 7		
5	10	09/26/2019	Thu	Chapter 7	Quiz 2	
6	11	10/01/2019	Tue	Chapter 8		
6	12	10/03/2019	Thu	Chapter 8	Assignment 3	
7	13	10/08/2019	Tue	Chapter 9		
7	14	10/10/2019	Thu	Chapter 10	Quiz 3	
8	15	10/15/2019	Tue	Review		
8	16	10/17/2019	Thu	Midterm Exam (in class)	Midterm Exam	Midterm
9	17	10/22/2019	Tue	Chapter 11		
9	18	10/24/2019	Thu	Chapter 12	Assignment 4	
10	19	10/29/2019	Tue	Chapter 12		
10	20	10/31/2019	Thu	Chapter 13	Quiz 4	
11	21	11/05/2019	Tue	Chapter 13		
11	22	11/07/2019	Thu	Chapter 14	Assignment 5	
12	23	11/12/2019	Tue	Chapter 14		
12	24	11/14/2019	Thu	Chapter 15	Quiz 5	
13	25	11/19/2019	Tue	Chapter 15		
13		11/21/2019	Thu		Assignment 6	Thanksgiving
14	26	11/26/2019	Tue	Chapter 16		
14	27	11/28/2019	Thu	Chapter 17	Quiz 6	
15	28	12/03/2019	Tue	Chapter 21		
15	29	12/05/2019	Thu	Chapter 21	Term Project	
16	30	12/10/2019	Tue	Review		
16	31	12/12/2019	Thu	Final Exam (in class)	Final Exam	Final

University Calendar

Date	Activity
08/12/2019	Classes Begin for Minimester
08/23/2019	Classes End for Minimester
08/26/2019	Classes Begin for Fall Semester
08/26/2019	Add, Drop, and Late Registration Begins for 16- and First 8-week Classes
08/28/2019	Deadline for Add, Drop, and Late Registration for 16- and First 8-week
09/02/2019	Labor Day (University Closed)
09/03/2019	Deadline to Drop First 8-week Classes with No Record
09/11/2019	Deadline to drop 16-week Classes with No Record
10/01/2019	Deadline for Teacher Education and Professional Certification Applications
10/04/2019	Deadline to Drop First 8-week Classes with a Quit (Q) or Withdraw (W)
10/04/2019	Deadline for Graduation Application for Ceremony Participation
10/15/2019	Deadline for Clinical Teaching/Practicum Applications
10/18/2018	Classes End for First 8-week Session
10/18/2019	Deadline to Withdraw from University for First 8-Week Classes (WF)
10/21/2019	Add, Drop, and Late Registration Begins for Second 8-Week Classes
10/21/2019	Classes Begin for Second 8-Week Session
10/21/2019	Class Schedule Published for Spring Semester
10/22/2019	Deadline for Faculty Submission of First 8-Week Class Final Grades (due by 3pm)
10/23/2019	Deadline for Add, Drop, and Late Registration for Second 8-Week Classes
10/28/2019	Deadline to Drop Second 8-Week Classes with No Record
11/04/2019	Registration Opens for Spring Semester
11/08/2019	Deadline to Drop 16-Week Classes with a Quit (Q) or Withdraw (W)
11/11/2019	Veteran's Day (University Closed)
11/28/2019	Thanksgiving (University Closed)
11/29/2019	Thanksgiving (University Closed)
11/29/2019	Deadline to Drop Second 8-Week Classes with a Quit (Q) or Withdraw (W)
12/13/2019	Deadline for Applications for Tuition Rebate for Fall Graduation (5pm)
12/13/2019	Deadline for Degree Conferral Applications to the Registrar's Office
12/13/2019	Deadline to Withdraw from University for 16- and Second 8-Week Classes
12/13/2019	Fall Semester Ends
12/13/2019	Fall Commencement Ceremony
12/17/2019	Deadline for Faculty Submission of 16-Week and Second 8-Week Final Class Grades
12/23/2019	Winter Break (University Closed)
12/24/2019	Winter Break (University Closed)
12/25/2019	Winter Break (University Closed)
12/26/2019	Winter Break (University Closed)
12/27/2019	Winter Break (University Closed)
12/28/2019	Winter Break (University Closed)
12/29/2019	Winter Break (University Closed)

Date	Activity
12/30/2019	Winter Break (University Closed)
12/31/2019	Winter Break (University Closed)
01/01/2020	Winter Break (University Closed)

TECHNOLOGY REQUIREMENTS AND SUPPORT

Technology Requirements.

This course will require that you use Microsoft Word. Microsoft Office 365 is available to students free of charge. Students may be able to obtain copies of Microsoft Office products through the University (see: <https://tamuct.onecampus.com/task/all/office365-software>)

You will also be required to download and install a free version of Microsoft SQL Server.

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/>] 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.

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>

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

Technology issues are not an excuse for missing a course requirement – make sure your computer is configured correctly and address issues well in advance of deadlines.

COURSE AND UNIVERSITY RESOURCES, PROCEDURES, AND POLICIES

Drop Policy

If you discover that you need to drop this class, you must complete a Drop Request Form, found through the [Registrar's web page](#):

<https://www.tamuct.edu/departments/business-office/droppolicy.php>

Professors cannot drop students; this is always the responsibility of the student. The Registrar's Office will provide a deadline on the University 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.

For more information regarding the Student Conduct process,

[<https://tamuct.campuslabs.com/engage/organization/tamuct-student-conduct-panel>].

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].

Academic Accommodations

At Texas A&M-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 webpage](http://www.tamuct.edu/departments/access-inclusion):
<http://www.tamuct.edu/departments/access-inclusion>.

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 the [Student Affairs](https://www.tamuct.edu/student-affairs/index.html) web page [<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 online](http://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 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 on-campus and online. Subjects tutored on campus 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 have any other question, contact Academic Support Programs at (254) 519-5796, or by emailing Dr. DeEadra Albert-Green at deeadra.albertgreen@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 A&M-Central Texas students to log in and receive FREE online tutoring and writing support. This tool provides tutoring in over 40 subject areas. Access Tutor.com through Canvas.

The 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-4pm Monday-Thursday during the Summer semester (June 5, 2017 to July 27, 2017). 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). 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!

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. 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 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 TAMUCT 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 TAMUCT 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 [homepage](https://tamuct.libguides.com/): <https://tamuct.libguides.com/>

INSTRUCTOR POLICIES

Policies related to absence, grading, etc.

- You are responsible for all class material presented during an absence.
- All work is submitted through Canvas and due on the specified due date/time.
- A penalty of 5 points per day is applied to late Exams, Quizzes, and Assignments.
- Most assignments can be submitted multiple times, even after grading
- Late penalties are also applied to resubmitted items
- Missed exams, quizzes, and assignments will receive a grade of zero.

My Personal Statement

- You will receive feedback in the form of graded assignments within 7 days after the due date.
- I want you to read the feedback that I provide to you (your personal grading notes, Canvas emails, and Canvas discussion forums).
- I am almost always available via email and typically respond within 24 hours except on weekends.
- I prefer email over phone conversations

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