



CSCI 340 - Introduction to Database

CSCI 340-61E (20881)
Course Syllabus: Spring 2023

INSTRUCTOR INFORMATION

Instructor:	Mike McHugh
Office Location:	TAMUC: None / Blinn: BLRA 310H (New Blinn Administration)
Office Hours:	TAMUC: After class or by appointment Zoom: Tue, Th - 1:00 pm - 3:30 pm https://blinn-edu.zoom.us/j/81981468787?pwd=Z1piaG1mMXpVVktiOHhUV2x2ZVVvQT09 Meeting ID: 819 8146 8787 Passcode: 887398 Fri - 8:00 am - 11:00am https://blinn-edu.zoom.us/j/82127617731?pwd=SjV5S1Fqc1dNVjQza1NORUVLb2tuUT09 Meeting ID: 821 2761 7731 Passcode: 013547
Office Phone:	None
Office Fax:	None
Email Address:	mchughmichael at tamuc dot edu
Preferred	email
Response Time:	Response to Emails: 24-hours.

The syllabus/schedule are subject to change.

COURSE INFORMATION

Textbook(s) Required:

Fundamentals of Database Management Systems 2nd Edition, by Mark L. Gillenson (John Wiley & Sons, Inc.). ISBN-10: 1590280296. ISBN-13: 9780470624708.

Software Required:

MySQL (<https://www.mysql.com>)

Optional Texts and/or Materials:

“Fundamentals of Database Systems”, 7th edition, by Elmasri and Navathe. ISBN: 0133970779, ISBN-13: 9780133970777.

Course Description

Data Modeling; relational data retrieval using SQL; logical database design; physical database design; data administration, database administration, and data dictionaries; database security, backup and recovery; database and the internet.

Prerequisite:

None

Student Learning Outcomes

Upon completing this course students should be able to:

- Install, configure, and interact with a relational database management system.
- Describe, define and apply the major components of the relational database model to database design.
- Learn and apply the Structured Query Language (SQL) for database definition and manipulation.
- Utilize a database modeling technique for a single entity class, a one-to-one (1:1) relationship between entity classes, a one-to-many (1:M) relationship between entity classes, a many-to-many (M:M) relationship between entity classes, and recursive relationships.
- Define, develop and process single entity, 1:1, 1:M, and M:M database tables.
- Comprehend then implement web database programming fundamentals by developing an application program interface (API) to access and maintain a relational database.
- Learn and implement the principles and concepts of information integrity, security and confidentiality
- Apply ethical computing concepts and practices to database design and implementation.

NOTE: These outcomes will be measured by Final project, exam, homework, and lab assignment results

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COURSE REQUIREMENTS

Minimal Technical Skills Needed

Students are expected to setup database client and web servers as instructed.

Instructional Methods

During this course, we will be using traditional and active learning methods, and work together using:

- Lectures: using slides, supplementary materials, and hands-on exercises.
- Assignments that will be released via the Learning Management Systems (D2L).
- Individual projects: details of the project will be released later during the course.

Student Responsibilities

It is expected that you are the owner of your success in this course, including ensuring you understand the expectations, timelines, policies and learning objectives.

Expectations:

- Check LMS frequently.
- Start your homework assignments early.
- Check the feedback on homework assignments.
- Do your work independently: collaboration and participation in study groups is encouraged to improve your understanding and to develop problem-solving strategies. However, cheating and plagiarism will not be tolerated, i.e. do not copy other people's work.
- Communicate with the instructor when you are confused, or having difficulties with the course material / assignment / project.

GRADING

Final grades in this course will be based on the following scale: A = 90%-100%, B = 80%-89%, C = 70%-79%, D = 60%-69%, F = 59% or below.

Assessments

Assessment Type	Weight of Final Grade	Learning Objectives
Quizzes, prep & participation	10%	Critical understanding and problem using course concepts
Assignments	30%	
Midterm Exam 1	20%	
Final Exam	20%	
Final Project	20%	

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COURSE OUTLINE / CALENDAR

Week 1	Course Overview: Introduction & Logistics
Week 2, 3	
Week 4, 5	Relational Data Retrieval: SQL
Week 6, 7	Logical Database Design
Week 8	midterm exam #1
Week 9, 10	Physical Database Design
Week 11, 12	Data and Database Administration
Week 13	Database security, backup and recovery
Week 14	Project Presentations, Thanksgiving Holiday
Week 15	Project Presentations, Advanced Topics (time permitting)
Finals Week	Final Exam

*The schedule is tentative and may be adjusted to fit the actual class progress.

PROGRAMMING ASSIGNMENT NOTE: Students must do their own programming assignments. It is OK to get help from a fellow student.

It is NOT OK to turn in another's program as your own. That is plagiarism. Plagiarism is taken serious and will not be tolerated. Do not give your programming assignment to another student. If they turn it in as their own work, then both of you will receive a ZERO grade for that assignment and you will not be allowed to make it up.

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TECHNOLOGY REQUIREMENTS

LMS

All course sections offered by Texas A&M University-Commerce have a corresponding course shell in the myLeo Online Learning Management System (LMS). Below are technical requirements

LMS Requirements:

<https://community.brightspace.com/s/article/Brightspace-Platform-Requirements>

LMS Browser Support:

https://documentation.brightspace.com/EN/brightspace/requirements/all/browser_support.htm

YouSeeU Virtual Classroom Requirements:

<https://support.youseeu.com/hc/en-us/articles/115007031107-Basic-System-Requirements>

ACCESS AND NAVIGATION

You will need your campus-wide ID (CWID) and password to log into the course. If you do not know your CWID or have forgotten your password, contact the Center for IT Excellence (CITE) at 903.468.6000 or helpdesk@tamuc.edu.

Note: Personal computer and internet connection problems do not excuse the requirement to complete all course work in a timely and satisfactory manner. Each student needs to have a backup method to deal with these inevitable problems. These methods might include the availability of a backup PC at home or work, the temporary use of a computer at a friend's home, the local library, office service companies, Starbucks, a TAMUC campus open computer lab, etc.

COMMUNICATION AND SUPPORT

Brightspace Support

Need Help?

Student Support

If you have any questions or are having difficulties with the course material, please contact your Instructor.

Technical Support

If you are having technical difficulty with any part of Brightspace, contact Brightspace Technical Support at 1-877-325-7778 or click



please on the

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Live Chat or click on the words “[click here](#)” to submit an issue via email.

System Maintenance

D2L runs monthly updates during the last week of the month, usually on Wednesday. The system should remain up during this time unless otherwise specified in an announcement. You may experience minimal impacts to performance and/or look and feel of the environment.

Interaction with Instructor Statement

The instructor is available before and after class and during office hours. Email communication is recommended and encouraged for all other times (including evenings and weekends).

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Course Specific Procedures/Policies

Attendance is required but not graded. Students are expected to do the readings, attend class, and participate in class discussions. Each student is responsible for managing their own time and work-load. Emergency / extreme circumstances causing a student to miss deadlines/exams will need to be supported by official and university approved documentation.

Positive Learning Environment

Your commitment as a student to learning is evidenced by your enrollment at Texas A&M University-Commerce. "All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment." (See Student's Guide Handbook, Policies and Procedure, Conduct).

To this purpose and to ensure a positive learning environment for all, the use of any electronic device (not pre- approved) is strictly prohibited, and those who are engaged in such activities during class time will be asked to leave the classroom.

Sharing Your Work

All work produced by students may be shared by the instructor with the class for purposes of example and training. Such work will be as anonymous as possible. Finally, the instructor may share your work anonymously with future classes or in her own writing and research.

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Submitting Assignments:

Unless special instructions are provided, assignments are NOT to be posted on any discussion board. Your completed work must be placed in the appropriate Dropbox in D2L Online. **DO NOT EMAIL ME ANY ASSIGNMENTS AS THEY WILL BE DELETED.** Please follow the rules for naming and posting assignments. Some of the course labs will be conducted in the TxCR environment and relevant instructions will be provided separately.

Late Work Policy

All assignments are due at the date and time specified.

Please keep in mind that NO late work will be accepted without penalty. If an assignment is turned in after the due date, 20% of the grade will be forfeited. **An assignment must be submitted within 24 hours of the due date if you want it graded.**

- You have **one 24-hour "late day" token** that can be used on any of the assignments
- After you've used your token, assignments will still be accepted up to 24 hours late, but with a 20% penalty (automatically deducted).
- Assignments turned in more than 24 hours late will NOT be reviewed and will not be graded.

Additional extensions on assignments will be granted with appropriate documentation. If you have a problem submitting an assignment on time you should contact me BEFORE the due date.

Makeup Policy

There will be NO makeup exams or quizzes. If you shall miss a quiz/exam because of acceptable extreme circumstances (hospitalization, serious injury, death in the family etc.), you may be offered to choose to receive a grade based on your in-class ranking in the next quiz/exam.

Collaboration Policy

Students are encouraged to consult with each other, with the instructor, or anyone else about any assignments / project. However, this must be limited to the discussion of the problem and sketching general approaches to a solution. Each student is responsible for submitting their own independent solutions to the assignment / project. **Consulting another student's or group's solution is prohibited, and submitted solutions may not be copied from any source.** These and any other form of unacceptable collaboration on assignments constitute **cheating**. If you have any question or doubts about whether some activity would constitute cheating, please feel free to ask.

Academic Integrity

I will NOT tolerate any instances of academic dishonesty. Cheating on exams or plagiarism (presenting the work of another as your own, or the use of another person's ideas without giving proper credit) will result in a failing grade at a minimum, and potential further sanctions by the University.

For this class, all assignments / quizzes / exams / project are to be completed by the individual student unless otherwise specified. Any student cheating/plagiarizing will receive a zero on the work they are doing, and subsequent cheating will result in a failing grade and potential academic sanctions.

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Basic Tenets of Common Decency

“All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment.” (Student’s Guide Handbook, Policies and Procedures, Conduct.). This means that rude and/or disruptive behavior will not be tolerated.

Disclaimer

This syllabus is meant to provide general guidance of what to expect from this course. The instructor reserves the right to make changes as appropriate based on the progress of the class. All changes made to this syllabus during the semester will be announced. This document has been posted electronically. If you print a copy of it, please be sure to consult the last modified date of the online version to verify that your printed copy is current.

Syllabus Change Policy

The syllabus is a guide. Circumstances and events, such as student progress, may make it necessary for the instructor to modify the syllabus during the semester. Any changes made to the syllabus will be announced in advance.

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University Specific Procedures

Student Conduct

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail in the [Student Guidebook](#).

<http://www.tamuc.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.aspx>

Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum: [Netiquette](#)

<http://www.albion.com/netiquette/corerules.html>

TAMUC Attendance

For more information about the attendance policy please visit the [Attendance](#) webpage and [Procedure 13.99.99.R0.01](#).

<http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx>

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/academic/13.99.99.R0.01.pdf>

Academic Integrity

Students at Texas A&M University-Commerce are expected to maintain high standards of integrity and honesty in all of their scholastic work. For more details and the definition of academic dishonesty see the following procedures:

[Undergraduate Academic Dishonesty 13.99.99.R0.03](#)

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/undergraduates/13.99.99.R0.03UndergraduateAcademicDishonesty.pdf>

[Graduate Student Academic Dishonesty 13.99.99.R0.10](#)

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/graduate/13.99.99.R0.10GraduateStudentAcademicDishonesty.pdf>

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ADA Statement

Students with Disabilities

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services

Texas A&M University-Commerce

Gee Library- Room 162

Phone (903) 886-5150 or (903) 886-5835

Fax (903) 468-8148

Email: studentdisabilityservices@tamuc.edu

Website: [Office of Student Disability Resources and Services](#)

<http://www.tamuc.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/>

Nondiscrimination Notice

Texas A&M University-Commerce will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

Campus Concealed Carry Statement

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in Texas A&M University-Commerce buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and A&M-Commerce Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations.

For a list of locations, please refer to the [Carrying Concealed Handguns On Campus](#) document and/or consult your event organizer.

Web url:

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf>

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Pursuant to PC 46.035, the open carrying of handguns is prohibited on all A&M-Commerce campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

CAMPUS STATEMENT

A&M-Commerce requires the use of face-coverings in all instructional and research classrooms/laboratories. Exceptions may be made by faculty where warranted. Faculty have management over their classrooms. Students not using face-coverings can be required to leave class. Repetitive refusal to comply can be reported to the Office of Students' Rights and Responsibilities as a violation of the student Code of Conduct.

Students should not attend class when ill or after exposure to anyone with a communicable illness. Communicate such instances directly with your instructor. Faculty will work to support the student getting access to missed content or completing missed assignments.

COMMUNICATION AND SUPPORT

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<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/undergraduates/13.99.99.R0.03UndergraduateAcademicDishonesty.pdf>

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Velma K. Waters Library Rm 162

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A&M-Commerce Supports Students' Mental Health

The Counseling Center at A&M-Commerce, located in the Halladay Building, Room 203, offers counseling services, educational programming, and connection to community resources for students. Students have 24/7 access to the Counseling Center's crisis assessment services by calling 903-886-5145. For more information regarding Counseling Center events and confidential services, please visit www.tamuc.edu/counsel

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