



Introduction to Databases Syllabus

ITSW 1307 **Section:** 6001
2026 Fall

Course Information

Credit Hours: 3

Term: 2026 Fall

Course Days: MW

Course Times: 9:00 AM to 10:00 AM

Course Title: ITSW 1307 6001/6002	Classroom Location: EMI 243
Course Subject: Intro to Data Databases	Semester and Year: Fall 2026
Course Section: 113528/13529	Class Days: Mon & Wed Time: 9 am - 11:30am

Instructor Information

Leezet Llorance, Ed.D.

Preferred Name : Dr. Leezet

Email: Leezet.M.Llorance@lonestar.edu

Student Engagement Hours

4hrs - 1hr before and after each class session as needed

Department/Division Contact

Dean of Instruction, Computing, and Engineering Technologies: Dr. Andrew Johnson, andrew.johnson@lonestar.edu, 281-655-3788

Division Chair, Computing, and Engineering Technologies: Dr. Vanessa Cox, vanessa.l.cox@lonestar.edu, 832-519-2898

Course Overview

Description: Introduction to relational and non-relational database theory and the practical applications of a contemporary databases. Topics may adapt to changes in industry practices.

Prerequisite(s): Prerequisites: None. Co-requisites: ITSC 1301 or COSC 1301 or BCIS 1305 (for Business majors only).

This is a weekly 5-hour course.

- 2hrs(HW) - You are expected to read the weekly chapters and watch the weekly lecture videos prior to attendance.
- The reading assignments and lecture videos will prepare you for the weekly Monday quizzes
- Starting week 4, select a concept each week from the chapter that you want to define with a SEE-I Model during the upcoming Computer Lab session; in other words, come to the Computer Lab prepared to develop your SEE-I Model.
- 5 hrs - You are expected to do all graded assignments in the Computer Lab, EMI-243.
- No assignments submitted outside of the Computer Lab will be accepted.
- Attendance is 10% of the course grade.
- Mondays
- Chapter Quiz (Multiple Choice)
- SEE-I Model
- Start Computer Lab Assignment
- Wednesdays
- Complete Lab Assignment

Student Learning Outcomes

1. Identify and differentiate the application of relational and non-relational databases.
2. Identify database terminology and concepts.
3. Plan, define, and design a database.
4. Design and generate tables, forms, and reports.
5. Devise and process queries.

STAR Bundle

Students in this course are automatically enrolled in the STAR Bundle, which provides access to all required course materials by the first day of class. The cost is charged to your student account and is included in your tuition and fee statement.

PLEASE NOTE: Continuing Education (CE) courses are NOT part of STAR Bundle.

Digital materials are available in D2L, our Learning Management System (LMS). If your course includes physical materials, you'll receive an email when they're ready for pickup at your home campus store.

You may opt out of the STAR Bundle, but if you do, you'll be responsible for purchasing all required materials on your own.

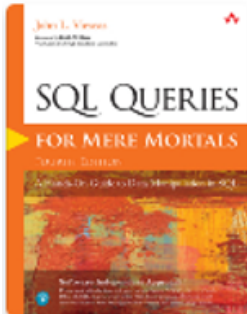
For more details, visit [LoneStar.edu/starbundle](https://lonestar.edu/starbundle).



Dual credit courses offered at high school locations in **Cypress-Fairbanks ISD, Lancaster CISD, Incarnate Word Academy, and Calvin Nelms Charter High School DO NOT participate in the STAR Bundle.**

Course materials for these sections are provided at no cost to the student by the high school through open educational resources. The STAR Bundle applies only to courses taken at a Lone Star College campus, regardless of whether the high school student is enrolled for dual credit college credit only.

Required Text(s) and Materials

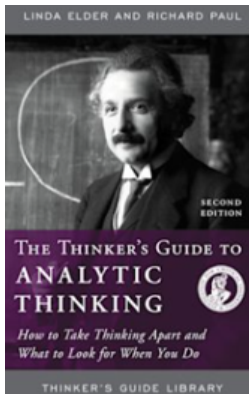


SQL Queries for Mere Mortals

Authors: John L. Viescas

Publisher: Addison-Wesley

Optional Text(s) and Materials



The Thinker's Guide to Analytics Thinking

Subtitle: How to Take Thinking Apart and What to Look for When You Do (Thinker's Guide Library)

ISBN 13: 978-0944583197

Authors: Linda Elder (Author), Richard Paul (Author)

Publication Date: January 1, 2016

Edition: 2nd

Technology Requirements

In our efforts to prepare students for a changing world, students may be expected to utilize computer technology while enrolled in classes, certificate, and/or degree programs within Lone Star College. The specific requirements for this course are listed below:

Microsoft SQL Server Express installed on computers by OTS

Important Course Dates

Couse Start: 2026-08-24

Course End: 2026-12-13

Course Length: 111

Official Day of Record (ODR): 2026-09-04

Midpoint Day of Record (MDR): 2026-10-30

Withdrawal Date: 2026-11-09

Final Exam or Final Project Date

No final exam.

Grade Determination

Course Assessments

Your grade will be determined by the following course requirements:

- Attendance
- Labs
- Quizzes
- Analysis

Course Assessment Breakdown

Course Assessment	Details	Percent of Final Average
Attendance (Monday: 2.5 hrs, Wednesday 2.5 hrs)	5 hrs/wk	10%
Labs	(SSMS, MSFT Learn)	55%
Quizzes (Multiple Choice, Written Analysis)	(Chapter, Critical Thinking)	15%
Book Quiz (Multiple Choice) & Paper (Written Analysis)		15%
SQL Troubleshooting Log (Written Analysis)	SSMS	5%
		Total: 100%

See the Tentative Course Schedule for course assignments and due dates

Final Letter Grade

Final course grades will be awarded using the chart provided below.

Final Letter Grade Determination

Letter Grade	Final Average in Percent OR Final Total Point Count
A	≥ 90
B	80 to 89.999
C	70 to 79.999
D	60 to 69.999
F	≤ 59.999

Instructor and Course Policies

Professor Guidelines and Policies

Attendance

(Applicable to onsite class sessions and synchronous online class sessions only.)

Regular attendance is expected

in order for students to successfully complete the course objectives; this includes actively logging into the course and class session participation (10% of course grade).

With four (4) class absences, or the equivalent of two weeks, the professor has the right to drop you from the course for excessive absences.

“If you are dropped from a class for non-attendance after the Official Day of Record, published in each academic calendar, **you will not be reinstated to the class**. An advisor will assist you to enroll in a late start course to increase your student success. Please monitor your account and courses accordingly so that you can catch any mistakes immediately. Please report any discrepancies to your faculty or the Department Chair, listed in the syllabus.”

Communication

The best way to reach me is to send an email (Leezet.m.llorance@lonestar.edu).

Late Work

Late work is not accepted. Any assignment not submitted by the due date will receive a 0 grade, unless prior arrangements are approved by the professor.

Make-up Assessments

Students must contact the professor prior to missing a scheduled examination. An opportunity to take a makeup examination will be offered to those who make prior contact with the professor. Make-up exams may be administered in Lone Star campus assessment centers.

Cell Phones and Computers: (Applicable to onsite class sessions and synchronous online class sessions only.)

Cell phones must be muted during class sessions and not visible in the classroom (i.e., placed in a backpack, purse, etc.)

Academic Integrity and Dishonesty

Students must submit their own original work. Students who submit plagiarized work will earn a 0 on that assignment and risk further consequences as outlined in the Lone Star College Academic Dishonesty policy.

<https://www.lonestar.edu/instructional-resources.htm>

Lone Star College Policies

Attendance

Federal Legislation requires Lone Star College to verify attendance for students who receive financial aid each semester. If you are receiving financial aid, you must participate in an academically related activity in each course by Official Day of Record (ODR) of the enrolled semester.

Attendance Drop (NA)

If you do not attend class or participate in an academically related activity by the

Official Day of Record (ODR), you will be dropped from your course and may lose financial eligibility for the semester. Any financial aid funds disbursed to you or your account must be returned to the U.S. Department of Education.

Academically Related Activities (FSA HB Sept.2019)

Academically related activities include, but are not limited to, physically attending a class where there is an opportunity for direct interaction between the instructor and students; initiating contact with a faculty member to ask a question about the academic subject studied in the course; participating in an online discussion about academic matters; submitting an academic assignment; taking an exam, an interactive tutorial or computer-assisted instruction; or attending a study group that is assigned by the school. Academically related activities do NOT include activities where a student may be present, but not academically engaged, such as logging into an online class without active participation, participating in academic counseling or advisement, living in institutional housing, or participating in the school's meal plan. In a distance education context, logging into an online class is not sufficient by itself to demonstrate academic attendance by the student. A student must participate in class or otherwise be engaged in an academically related activity, such as but not limited to, contributing to an online discussion or contacting a faculty member to ask a course-related question via approved communication channels. Completion of an online orientation or syllabus quiz constitutes attendance.

Syllabus Disclaimer

It is the instructor's right to modify the course policies and schedule as necessary to meet the course learning outcomes, therefore, this syllabus is subject to change. Students are encouraged to read the Student Handbook and LSC Catalog for a comprehensive list of college guidelines, policies, and procedures. Prominent policies and their corresponding links are provided in the table below.

The following is a link to all LSC policies listed in the table

Lone Star College Policies

Policy	Description & Link
Academic Integrity & Dishonesty	Lone Star College promotes the importance of personal and academic honesty from its students, instructors, and faculty members as defined in the College's Academic Integrity and Dishonesty Policy . Detailed information for students can be found in the Academic Integrity brochure .
Student Code of Conduct	Lone Star College students are expected to follow the Student Code of Conduct . Violation of conduct policies can result disciplinary action, up to and including suspension.
Course Withdrawal & Six Course Drop Limit	Undergraduate students enrolling as first-time in college students at a public institution of higher education in Texas will be limited to a total of six dropped courses during their entire undergraduate career. Lone Star College uses the term "withdrawal" to refer to a dropped course. Withdrawals occur between the official day of record (ODR) and the posted withdrawal "W" day for the course. Withdrawing from a course will result in a grade of "W" on the official transcript. Drops/withdrawals prior to the official date are not considered "dropped" courses and are not posted on the transcript. No credit will be awarded for a course earning a "W." It is the student's responsibility to withdraw prior to the course's "W" date. Lack of attendance does not constitute as a withdrawal.
Course Evaluation	Course evaluations are the students' opportunity to provide feedback about their experience in the course. The evaluation questionnaire can be accessed through "Links" under the Student menu in myLoneStar .
Academic Appeals	An academic appeal is a formal request brought by a student to change a grade or to challenge a penalty imposed for violation of standards of academic integrity. Students have 12 calendar months from the date the grade was posted by the registrar to submit an academic appeal. Detailed information can be found on the College's Academic Complaint and Appeal Process page

Policy	Description & Link
Family Educational Rights and Privacy Act (FERPA)	The Family Educational Rights and Privacy Act (FERPA) is a Federal law that protects the privacy of student education records. Under FERPA, records may not be released without consent of the student. Additionally, Lone Star College is permitted to release certain “ directory information ” without student consent. Detailed information and consent form may be found on the Syllabus Policy page .
Title IX	Title IX is Federal legislation that helps protect individuals from discrimination, including but not limited to, acts of harassment and violence, based on sex in education programs or activities. Lone Star College strives to create and provide a safe and supportive learning environment for all students following the guidelines under Title IX. Detailed information can be found on the College’s Title IX page .
College Safety & Security	Lone Star College is committed to providing a safe environment in which to learn, study, and work. The LSC Police Department provides information and resources related to the College’s safety and emergency procedures.
Campus Carry	Lone Star College has established rules and regulations regarding enforcement of the Texas “Campus Carry” law. LSC prohibits concealed carry in some areas of LSC campuses, known as exclusion zones. Detailed information can be found on the LSC Campus Carry page .
Student Services Complaint	Lone Star College provides a structured and transparent process for students to submit complaints and appeals concerning academic, non-academic, and administrative matters. The institution ensures that all complaints are addressed in accordance with applicable policies and procedures, and offers avenues for internal resolution as well as external recourse through the Texas Higher Education Coordinating Board, where appropriate. Detailed information can be found on the Student Complaints web page.

Disability Services

Lone Star College promotes equity in academic access by implementing reasonable accommodations. Students requesting disability or pregnancy-related accommodations must contact the Disability Services Office to self-identify and request services.

[Requesting Accommodations](#)

[Additional Accessibility Services and Resources](#)

Student Support Services

One of our cultural beliefs is [Student Focused](#), which means Lone Star College is committed to your success. If you are experiencing challenges achieving your goals academically or personally, please know that Lone Star College has resources to support you. The table below lists the support services available to students. Additional resources may be found on the [Student Resources](#) page.

Student Resources

Services that support student success and engagement.

Getting Started

- [Admissions](#)
- [Advising](#)
- [Business & Payment Center](#)
- [Continuing Education](#)
- [Dual Credit](#)
- [Financial Aid](#)
- [Honors College](#)
- [International Programs & Services](#)
- [New Student Orientation](#)
- [Testing Center](#)

Supporting Student Success

- [Academic Success \(Tutoring\)](#)
- [Academy For Lifelong Learning](#)
- [Campus Store](#)
- [Care Center](#)
- [Career & Transfer Services](#)
- [Communities in Schools \(Counseling\)](#)
- [Dining Options](#)
- [Disability Services](#)
- [Early Alert & PASS](#)
- [English Speakers of Other Languages \(ESOL\)](#)
- [Fitness Center](#)
- [Learning Innovation Labs](#)
- [Student Learning Resource Center \(SLRC\)](#)
- [Student Life](#)
- [Student Success Institute \(SSI\)](#)
- [TEDx](#)
- [Veteran Support](#)
- [Virtual Bookstore](#)
 - [Textbooks - Star Bundle](#)
- [Work Study Programs](#)

Instructional Information

- [Academic Calendar](#)
- [Final Exam Schedule](#)
- [Academic Division Contacts](#)
- [Arts & Humanities](#)
- [Behavioral & Social Sciences](#)
- [Uproar Magazine](#)
- [Computer & Engineering Technologies](#)
- [Math, Engineering & Sciences](#)
- [National Society of Leadership & Success](#)
- [National Technical Honor Society \(NTHS\)](#)
- [Phi Theta Kappa \(Honor Society\)](#)

Campus Information

- [Campus Police](#)
- [College Relations](#)
- [Deans & Directors](#)
- [Fine Arts Events](#)
- [Outreach](#)

Tentative Course Schedule

Date	Assignment Name	Assignment Type	Points
	Lesson 1 Quiz	Quiz	10
8/24/26	*Week 1	Event	
8/25/26	Lesson 1 Review Questions (Knowledge Check)	Quiz	
8/26/26	Upload SQL File & Certificate: Introduction to Transact-SQL	Assignment	1
8/30/26	Lesson 2 Review Questions (Knowledge Check)	Quiz	
8/31/26	Week 2	Event	
8/31/26	Lesson 2 Quiz	Quiz	10
8/31/26	DIV III Requirement	Event	
8/31/26	Upload Data Models of SSMS Databases	Assignment	10
9/2/26	Upload Entity Relationship Descriptions	Assignment	10
9/7/26	Week 3	Event	

Date	Assignment Name	Assignment Type	Points
9/9/26	Elements of Thought (AI Generated)	Quiz	5
9/9/26	Intellectual Standards (AI Generated)	Quiz	5
9/9/26	Intellectual Traits (AI Generated)	Quiz	5
9/9/26	Wk3 SEE-I Model (Critical Thinking)	Assignment	5
9/9/26	Wk3 SEE-I Model (Intellectual Standards)	Assignment	5
9/9/26	Wk3 SEE-I Model (Intellectual Virtues)	Assignment	5
9/9/26	UPLOAD Weekly Study Plan	Assignment	10
9/13/26	Lesson 4 Review Questions (Knowledge Check)	Quiz	
9/14/26	(TL) Week 4	Event	
9/14/26	Lesson 4 Quiz	Quiz	5
9/14/26	Wk4 SEE-I Model	Assignment	5
9/16/26	Bonus: Team Lab (Ch. 4 Queries)	Assignment	1
9/16/26	Wk4 SSMS Lab	Assignment	10

Date	Assignment Name	Assignment Type	Points
9/20/26	Lesson 5 Review Questions (Knowledge Check)	Quiz	
9/21/26	Week 5	Event	
9/21/26	Lesson 5 Quiz	Quiz	5
9/21/26	Wk5 SEE-I Model	Assignment	5
9/23/26	Wk5 SSMS Lab	Assignment	10
9/27/26	Lesson 6 Review Questions (Knowledge Check)	Quiz	
9/28/26	*(TL)Week 6	Event	
9/28/26	Lesson 6 Quiz	Quiz	5
9/28/26	Wk6 SEE-I Model	Assignment	5
9/30/26	Bonus: Team Lab (Ch. 5 & 6 Queries)	Assignment	1
9/30/26	Upload SQL File & Certificate: Sort and Filter Results in T-SQL	Assignment	1
9/30/26	Wk6 SSMS Lab	Assignment	10

Date	Assignment Name	Assignment Type	Points
10/4/26	Lesson 7 Review Questions (Knowledge Check)	Quiz	
10/5/26	*(TL) Week 7 (INNER, OUTER, UNION)	Event	
10/5/26	Lesson 7 Quiz	Quiz	5
10/5/26	Wk7 SEE-I Model	Assignment	5
10/7/26	Bonus: Team Lab (MSFT Learn JOIN Queries)	Assignment	1
10/7/26	Wk7 SSMS Lab - Sets (INNER, OUTER, UNION)	Assignment	10
10/11/26	Lesson 8 Review Questions (Knowledge Check)	Quiz	
10/12/26	Week 8 (INNER)	Event	
10/12/26	Lesson 8 Quiz	Quiz	5
10/12/26	Wk8 SEE-I Model	Assignment	5
10/14/26	Upload SQL File & Certificate: Use Built-in Functions and GROUP BY in Transact-SQL	Assignment	1
10/14/26	Wk8 SSMS Lab - INNER JOINS	Assignment	10

Date	Assignment Name	Assignment Type	Points
10/18/26	Lesson 9 Review Questions (Knowledge Check)	Quiz	
10/19/26	Week 9 (OUTER)	Event	
10/19/26	Lesson 9 Quiz	Quiz	5
10/19/26	Wk9 SEE-I Model	Assignment	5
10/21/26	Wk9 SSMS Lab - OUTER JOINS	Assignment	10
10/25/26	Lesson 10 Review Questions (Knowledge Check)	Quiz	
10/26/26	(TL) Week 10 (UNION)	Event	
10/26/26	Lesson 10 Quiz	Quiz	5
10/26/26	Wk10 SSMS Lab - UNIONs	Assignment	10
10/26/26	Wk10 SEE-I Model	Assignment	5
10/28/26	Bonus: Team Lab (Chs. 8, 9 & 10 Queries)	Assignment	1
11/1/26	Lesson 11 Review Questions (Knowledge Check)	Quiz	
11/2/26	*Week 11	Event	

Date	Assignment Name	Assignment Type	Points
11/2/26	Lesson 11 Quiz	Quiz	5
11/2/26	Wk11 SEE-I Model	Assignment	5
11/4/26	Upload SQL File & Certificate: Combine Multiple Tables with JOINS in T-SQL	Assignment	1
11/4/26	Wk11 SSMS Lab	Assignment	10
11/8/26	Lesson 12 Review Questions (Knowledge Check)	Quiz	
11/9/26	(TL) Week 12	Event	
11/9/26	Lesson 12 Quiz	Quiz	5
11/9/26	Wk12 SEE-I Model	Assignment	5
11/11/26	Bonus: Team Lab (Chs. 11 & 12 Queries)	Assignment	1
11/11/26	Wk12 SSMS Lab	Assignment	10
11/15/26	Lesson 13 Review Questions (Knowledge Check)	Quiz	
11/16/26	*Week 13	Event	

Date	Assignment Name	Assignment Type	Points
11/16/26	Lesson 13 Quiz	Quiz	5
11/16/26	Wk13 SEE-I Model	Assignment	5
11/18/26	Upload SQL File & Certificate: Write Subqueries in T-SQL	Assignment	1
11/18/26	Wk13 SSMS Lab	Assignment	10
11/22/26	Lesson 14 Review Questions (Knowledge Check)	Quiz	
11/23/26	(TL) Week 14	Event	
11/23/26	Lesson 14 Quiz	Quiz	5
11/23/26	Bonus: Team Lab (Ch. 13 & 14 Queries)	Assignment	1
11/23/26	Wk14 SEE-I Model	Assignment	5
11/23/26	Wk14 SSMS Lab	Assignment	10
11/25/26	SQL Code Troubleshooting Notebook	Assignment	5
11/30/26	Week 15 (Make-up Week)	Event	
12/7/26	Week 16 Wrap-up	Event	

Date	Assignment Name	Assignment Type	Points
12/7/26	Book Quiz	Quiz	69
12/7/26	Paper: AI in Databases	Assignment	100
12/7/26	Attendance	Assignment	10