



Instructor	<p>Dr. Sarah M. North, Instructor Email: snorth@kennesaw.edu Cell: 678-520-6102 Voice: 470-578-7774</p> <p>Office hours: <i>On-line via D2L</i> http://d2l.kennesaw.edu/. <i>Other hours via D2L</i> http://d2l.kennesaw.edu <i>Chat sessions and/or by appointment only</i> <i>Chat sessions via virtual meeting and/or by appointment only</i> Statement of Teaching Philosophy</p>
Class Design	<p>The course will be delivered in-class via d2l format as an asynchronous delivery mode with video recording instruction via D2L, laboratory activities, assignments, assessments, and supported resources. Also, <i>this course also will be use as needed synchronous using Collaborate Ultra Virtual Classroom.</i> https://d2l.kennesaw.edu/</p> <p>All lecture notes provided via KSU Desire2Learn Access http://d2l.kennesaw.edu/</p> <p>Student-centered learning Variety of sessions is the student-centered learning tools will complement individual student learning styles and help students becomes more versatile learners.</p> <p>Course Communications: Student Communicate via D2l http://d2l.kennesaw.edu/</p>
Textbook & Resources	<p>No textbook required for this course. Learning materials will be provided through D2L course web and link below: http://ksuweb.kennesaw.edu/~snorth/ALG_CS3410_DB/indexALG_DB.html</p> <p>Nine (9) of the Best Free Alternatives to Microsoft Visio https://www.maketecheasier.com/5-best-free-alternatives-to-microsoft-visio</p> <p>Download SQL Server 2019: https://www.microsoft.com/en-us/sql-server/sql-server-downloads</p> <p><u>Optional Reading Resources</u> Database Processing: Fundamentals, Design, and Implementation (Edition, 15) by David Kroenke and David Auer. (2015, Pearson Education Publishing Company) ISBN-13: 978-0133058352 Student Resources Weblink</p>
Prerequisite	<p>"C" or better grade in CSE 1322 or CSE 13022L http://cs.kennesaw.edu/academics/undergraduate/bscs.html</p>
Course Description	<p>This course includes introduction to the database management systems, database processing, data modeling, database design, development, and implementation. Contrasts alternative modeling approaches. Includes implementation of current DBMS tools & SQL.</p>
Course Learning Outcomes	<p><i>After successful completion of this course, a student should be able to:</i></p> <ol style="list-style-type: none"> 1. Model data relevant to a database task, given a written description, reports and other information from a system user. Results should be resented as an Entity-Relationship Diagram 2. Transform the entity-relationship model into a logical design, following the relational approach 3. Normalize a given set of tables to third normal form 4. Determine appropriate security requirements for a Database System 5. Compose working SQL statements for simple and intermediate queries 5. Discuss ethical and security issues related to databases.

Table of Content	<p>Module 1 - Introduction to Database Systems/SQL</p> <p>Module 2 - Relationship Diagram for Data Analysis (ER)</p> <p>Module 3 - Map ER to Schema, Normalization</p> <p>Module 4 - Physical DB Design and DB Security</p> <p>Module 5 - SQL Data Definition Language & Procedural Language</p> <p>Module 6 - Client/Server Systems and Multi-Tier Architecture</p> <p>Module 7 - Data Warehouse</p> <p>Module 8 - Virtual Desktop</p>
Turnaround Time on Assignments/ Assessments	All in-class and online assignments and assessments will be graded and posted within a week after the due dates.
Response Time to Emails and Voicemails	I will respond to all emails and voicemails within 24 hours on weekdays and 48 hours on weekends. Please e-mail via http://d2l.kennesaw.edu/ .
Tracking Learning Progress	Students have continuous opportunities to track their learning progress via Grade Tool provided on the D2L home page.
<p>Attendance Policy:</p> <p>The Instructor expects your attendance on D2L, minimum 2-3 times per week by checking the announcements, calendar, etc. Students in this class should realize the nature of the course in which they are enrolled. Students are encouraged to communicate with instructor via d2l email or KSU email normal business hours. Students will interact with each other and with the instructor through discussions in D2L, and email. It is easy to fall behind in any course, but especially in an online or in-class course where it is up to the student to formalize a time to work on course materials. In order to ensure a student does not fall behind it is STRONGLY encouraged that students keep to the schedule suggested in this syllabus [basically one (1) course module per two (2) weeks during Fall and Spring semesters and four per week during a 4-week Summer semester].</p> <p>Students must make a concerted effort to maintain currency and not wait until the last minute to complete assignments. The course is designed to enhance student learning.</p> <p>To view the complete student attendance policy, please visit http://catalog.kennesaw.edu/content.php?catoid=38&navoid=3019#attendancepolicy</p>	
<p>Evaluation criteria explained:</p> <ul style="list-style-type: none"> • Students are expected to be active participants in each course activities. Full credit for participation will be extended to students who regularly participate in discussion, share ideas, and contribute relevant personal experiences. • Examinations will consist of essay (short and long answers), multiple choices, T/F questions, technological comprehension that cover in the lecture material, and assigned readings. • Students will be given specific guidance on the amount of collaboration permitted for each assignment. 	

Exams:

There will be 2 primary examinations (cumulative Midterm & Final examination). The content will come from the text and other material presented in lecture sessions as well as the homework assignments. Note that material presented in PowerPoint lectures will supplement the assigned reading. There will be no make-up examinations. It is the student's responsibility to arrange for an excused absence before the exam. A grade of zero will be assigned for all exams missed without an excused absence. Instructors may require web cameras in their respective courses.

If an emergency arises on the day of a midterm, and the instructor deems that the absence is excused, then the weight of the final exam may be increased to replace the midterm.

<http://registrar.kennesaw.edu/calendars/>

IMPORTANT NOTE: Respondus Lock Down Browser and Respondus Monitor (WebCam) will be utilized for all quizzes and exams (Midterm and Final exams). You must have installed and tested a Web camera and microphone prior to beginning the quizzes or exams. All quizzes and exams are closed-book and closed-note. NO inside or outside resources or communications are permitted on any quizzes and exams. Please practice with Course Orientation quiz (unlimited attempts – keeps the last attempt score) before taking any quiz or exam. D2L will instruct you with the steps required to install and activate both options (watch the following videos).

General overview video:

<https://www.respondus.com/products/lockdown-browser/student-movie.shtml>

Student perspective video:

<https://www.youtube.com/watch?v=Apb8tArU6JI>

System Requirements for Respondus software (Students)

Windows: 10, 8, 7

Mac: OS X 10.10 or higher

iOS: 7.0+ (iPad only). Must have a compatible LMS integration. Details.

Adobe Flash Player (bundled with the Lock Down Browser installation)

Web camera (internal or external) & microphone

A broadband Internet connection

Warning: Web camera should be on and active during the entire quiz or exam period. Turning off or blocking the web camera at any time during any phase of the quiz or exam period is strictly prohibited. Students' faces and eyes should be in front the web camera during the quiz or exam period so clear recording can occur and be available for later inspection. Environment check request recording must clearly show the space around the exam space, table, and computer that is used for taking the quiz or exam. Any deviation from any of these conditions will be strictly interpreted as dishonesty. According to KSU's policies on academic dishonesty, any student who is found cheating or exercising any form of dishonesty will receive an automatic “F” grade in the course.

Discussion:

There will be eight discussion questions within each module which reflect on any questions/comments. Students are encouraged to participate in ask questions from peers and/or instructor during the semester via D2L <http://d2l.kennesaw.edu/>

Quizzes:

Quizzes will be given throughout the semester, at a rate of approximately 1 per module. The quizzes will be combinations of multiple-choice questions, short answer, and true/false questions. Makeup quizzes will not be given. Any class material missed by the student is the student's responsibility to acquire. Please communicate with your instructor if there are any emergency occurs.

Assignments:

Assignments are due throughout the term and must be submitted through D2L by 11:59pm on designated due date for each assignment. Each assignment is weighted as noted in the assessment section below.

You lose 20% of your score if you turn in a homework assignment late, and late assignments will only be accepted up to two days after the due date!

DB Assignments

1	DB Individual Assignments	Each student expected to complete each assignment related to each module's topic and submit on or before the due date and time as is stated on D2L.
2	DB Individual or Group Assignment/Project	Each student expected to complete the project individually or as a group . The DB project is due at the end of the semester and is due on before the due date and time as is stated on D2L. Refer to D2L for Due Date and Guidelines.

Note*: Please refer to course resources on-line- [D2L access \(KSU Desire2Lem\)](#)

Assessment Grades will be calculated as follows:

Assignments (<i>Seven modules</i>)	100
Assignment DB Project (<i>Individual or Group</i>)	40
Discussions (<i>Six Modules</i>)	40
Quizzes (<i>Six Modules</i>)	60
Test_1 – <i>Midterm Exam</i>	130
Test_2 – <i>Final Exam</i>	130
Total	500

Grading Scale:

Grade	Percentage	Point System
A	90% - 100%	450 - 500
B	80% - 89%	400 - 449
C	70% - 79%	350 - 399
D	60% - 69%	300 - 349
F	59% or below	299 - 0

Withdrawal Policy:

The last day to withdraw without academic penalty is [shown on the course schedule](#). Ceasing to attend course via D2L or oral notice thereof DOES NOT constitute official withdrawal from the course. Students who simply stop participating course weekly via D2L without officially withdrawing usually are assigned failing grades. Students wishing to withdraw after the scheduled change period (add/drop) must obtain and complete a withdrawal form from the Academic Services Department in the Registrar's Office.

Incomplete Policy:

I— The grade of "I" denotes an incomplete grade for the course, and will be awarded only when the student has done satisfactory work up to the last two weeks of the semester, but for nonacademic reasons beyond his/her control is unable to meet the full requirements of the course. A grade of "I" must be removed (by completing the course requirements) within one calendar year from the end of the semester in which the "I" was originally assigned.

<http://www.kennesaw.edu/foreignlanguage/facultyinfo/IncompletePolicy.html>

Enrollment Policy:

Only those students who are enrolled in the online course may visit the lectures, receive assignments, take quizzes and exams, and receive a grade for the course via D2L. If a student is administratively withdrawn from this course, they will not be permitted to participate in any online course activities nor will they receive any grade for the course.

Email Messages:

Remember to put the course name and section number in the subject field of every e-mail message that you send me. E-mail messages that are missing this information are likely to be automatically redirected to a folder I seldom check.

Diversity Statement:

All courses offered by the Computer Science department will adhere to the KSU policy that prohibits discrimination based on race, religion, color, sex, age, disability, national origin, or sexual orientation.

Disability Statement:

Any student with a documented disability needing academic adjustments is requested to notify the instructor as early in the semester as possible and must do so before the mid-term exam. Verification from KSU disabled Student Support Services is required. All discussions will remain confidential.

http://www.kennesaw.edu/stu_dev/dsss/dsss.html

Student Email and Web Account Access:

KSU is moving towards a central authentication server that will allow one username and password to be used by all KSU users to access an increasing variety of applications (email, D2L etc.) This unified network identification is referred to as your "NetID". The new source for university-provided email and web space for students will be located at students.kennesaw.edu All students will have access to this system once they have established their NetID.

How to Activate your NetID:

To activate your NetID go to <http://netid.kennesaw.edu> and click on "Sign up Now!" link. You will be asked to provide information to verify your identity and set your password. This password will only be for NETID enabled applications.

How to Look Up a NetID:

After you have activated your NetID, you can look up other users by logging into <http://netid.kennesaw.edu> and clicking on Directory Search.

How to Send Email:

For student email, your NetID in combination with the new email address would look like netid@students.kennesaw.edu.

Web Address:

For student web address, your NETID in combination with the new server address would look like <http://students.kennesaw.edu/~netid> .

If you have problems please call the Service Desk at ext. 6999 or e-mail service@kennesaw.edu.

Acquiring Final Grades:

To better utilize our technology resources, Kennesaw State University has instituted the reporting of end of term grades by phone. This is in addition to the web version of grades, which has been in effect for several terms. All current semester term students may call 770-420-4315 and select Option Number 4 to secure their end of term grades. With this new development, printed grade reports will not be mailed at the end of the term. Students needing verification of grades or enrollment should request either an official transcript or enrollment verification through the Office of the Registrar.

Any student with a documented disability needing academic adjustments is requested to notify the instructor as early in the semester as possible and must do so before the mid-term exam. Verification from KSU disabled Student Support Services is required. All discussions will remain confidential.

Academic Integrity Statement:

Every KSU student is responsible for upholding the provisions of the Student Code of Conduct, as published in the Undergraduate and Graduate Catalogs. Section 5c of the Student Code of Conduct addresses the University's policy on academic honesty, including provisions regarding plagiarism and cheating, unauthorized access to university materials, misrepresentation/falsification of university records or academic work, malicious removal, retention, or destruction of library materials, malicious/intentional misuse of computer facilities and/or services, and misuse of student identification cards. Incidents of alleged academic misconduct will be handled through the established procedures of the Department of Student Conduct and Academic Integrity (SCAI), which includes either an "informal" resolution by a faculty member, resulting in a grade adjustment, or a formal hearing procedure, which may subject a student to the Code of Conduct's minimum one semester suspension requirement. See also <https://web.kennesaw.edu/scai/content/ksu-student-code-conduct>

Students are encouraged to study together and to work together on class assignments and lab exercises; however, the provisions of the STUDENT CONDUCT REGULATIONS, II. Academic Honesty, KSU Undergraduate Catalog will be strictly enforced in this class.

Confidentiality and Privacy Statement (FERPA)

<http://catalog.kennesaw.edu/content.php?catoid=27&navoid=2263&hl=FERPA&returnto=search#rightsofstudentrecords> Suggested Language: Kennesaw State University adheres to the Family Educational Rights & Privacy Act of 1974 – FERPA. See the following link for more information:

http://www.usg.edu/information_technology_handbook/section9/tech/9.5_privacy_and_security

University – Student Rights & Responsibilities

<http://catalog.kennesaw.edu/content.php?catoid=27&navoid=2263>

Ethics Statement <http://scai.kennesaw.edu/codes.php>

Disclaimer: This syllabus is subject to change as the need arises. This syllabus represents my current plans and objectives. As we go through the semester, those plans may need to change to enhance the class learning opportunity. Such changes, communicated clearly, are not unusual and should be expected.

Communication Etiquette

Communication Tool	Recommendations
Communication	Please use our course D2L e-mail to communicate
Instructor Response Time	Questions submitted to the instructor via D2L email or the discussion area will receive a reply within 24 hours. Weekends may take longer. All the assignments will be graded and provide feedback within a week. Please check your course progress on " <i>D2l home page</i> ," " <i>Grade Tab</i> ."
Emergencies	In the case of an emergency, use the email or phone number that is listed in the syllabus and on the home page.
Communication in General	Please use the instructor's university email account listed on the Home page and in the syllabus. snorth@kennesaw.edu or 678-520-6102
Communication with each other and the instructor	We want everyone to experience a positive experience in this class. Be sure when you have chats, or other types of discussions (such as with labs), that you always are respectful of each other. I will always be respectful of each of you.

Student Course Evaluation:

A standard questionnaire (described below) will be administered during the last two weeks of the semester in all courses. Additional questions developed by the college or instructor(s) may be included as well. It is important that each student provide meaningful feedback to the instructor(s) so that changes can be made in the course to continually improve its effectiveness. We value student feedback about the course, our teaching styles, and course materials, so as to improve our teaching and you're learning. At a minimum, the following two questions will be asked:

1. Identify the aspects of the course that most contributed to your learning (include examples of specific materials, exercises and/or the faculty member's approach to teaching and mentoring), and Identify the aspects of the course; if any that might be improved (include examples of specific materials, exercises and/or the faculty member's approach to teaching and mentoring).

Student's Support

- Department of Career Planning & Development <http://careers.kennesaw.edu/>
- Counseling and Psychological Services <https://counseling.kennesaw.edu/>
- Center for Health Promotion and Wellness <https://wellness.kennesaw.edu/index.php>
- Student Health Services <https://studenthealth.kennesaw.edu/index.php>

Course Accessibility Statement (ADA statement)

<http://catalog.kennesaw.edu/content.php?catoid=27&navoid=2263&hl=FERPA&returnto=search#ADA>

Disruption of Campus Life Policy <http://scai.kennesaw.edu/codes.php>

WEB ACCESSIBILITY

Kennesaw State University follows the guidelines of the Universal Design for Learning standard of web accessibility. Faculty use Word, PDF, and HTML formats when communicating electronic information to students whenever possible and appropriate in light of the goals of the course. Faculty are trained to use Web Accessibility Evaluation tools, e.g., WAVE (www.wave.webaim.org), and make adjustments as possible and appropriate in light of the goals of the course.

For free resources available to students on web accessibility, please visit the Web Accessibility Resources page at the Distance Learning Center: <http://www.kennesaw.edu/dlc/facultyresources/index.php#>

COPYRIGHT LAW

Kennesaw State University adheres to USG's policy to respect the right of copyright. Holders and comply with copyright laws as set forth in the United States Copyright act. For more information, see the following link to USG's policy: <http://www.usg.edu/copyright/>

ELECTRONIC RECORDING AND SOCIAL MEDIA

Electronic recording performed without the consent of the people being recorded chills the free exchange of ideas. Academic freedom, free inquiry, and freedom of expression should not be limited by the fear that one's brainstorming, polemic discourse, speculative inquiry, or any other kind of expressed curiosity made within the space of a university classroom will be made public without one's consent. This fear is unacceptable regardless of whether one is in an online, hybrid, or face-to-face classroom setting. Accordingly, no person shall make public any electronically recorded class discussion without the written permission of the instructor. This policy is not intended to discourage electronic recording in the classroom or the use of social media when such actions are performed with the written consent of the instructor, and others as appropriate.

Note: Faculty accommodate all reasonable requests to electronically record a class discussion; these requests must be documented by the Disabled Student Support Services available at: http://www.kennesaw.edu/stu_dev/dsss/prospect.shtml

Computer Science Department Policies:

Students are minded that the Computer Science Department has certain policies in place that govern practices within the department. Including:

- All courses used toward any undergraduate degree in the Computer Science Department must be completed with an assessed performance grade of "C" or better. This means that all prerequisite courses from the Computer Science Department must have been completed with a "C" or better in order for a student to enter the next course in a sequence.
- All requests for course overloads must be made through the department chair's office at <http://science.kennesaw.edu/csis/overload.html>. The Instructor of any course is not permitted to authorize course overloads.
- All requests for prerequisite bypasses must be made through the department chair's office at <http://science.kennesaw.edu/csis/prereq.html>. The Instructor of any course is not permitted to authorize course overloads.
- All students are encouraged to register their current choice of major using the department change process at <http://science.kennesaw.edu/csis/changemajor.html>. Students who are not recorded under their intended major may find that they may be limited from registering for courses they require to complete their intended program of study.
- To answer any questions about these or other departmental policies, please contact the chair's office

Schedule:

Please see the link from the <http://d2l.kennesaw.edu/> for the course schedule. It will be updated online

Acknowledgment and Acceptance of Academic Integrity Statement:

In any academic community, certain standards and ethical behavior are required to ensure the unhindered pursuit of knowledge and the free exchange of ideas. Academic honesty means that you respect the right of other individuals to express their views and opinions, and that you, as a student, not engage in plagiarism, cheating, illegal access, misuse or destruction of college property, or falsification of college records or academic work. As a member of the Kennesaw State University academic community you are expected to adhere to these ethical standards. You are expected to read, understand and follow the code of conduct as outlined in the KSU graduate and undergraduate catalogs. You need to be aware that if you are found guilty of violating these standards you will be subject to certain penalties as outlined in the college judiciary procedures. These penalties include permanent expulsion from KSU. Students are required to complete the Academic Integrity Quiz in D2L Vista to acknowledge the receipt of this syllabus and to acknowledge that they agree to abide by the class policies and the academic integrity policies of the University.

References:

Kroenke, D., Auer, J. D., Database Processing: Fundamentals, Design, and Implementation, 13/E, Pearson Education Publisher Company, 2014.

COVID-19 Syllabi Statements**Face Masks in the classroom**

As mandated by the University System of Georgia, the university requires the use of face masks in the classroom and in KSU buildings to protect you, your classmates, and instructors. Per the University System of Georgia, anyone not using a face covering when required will be asked to wear one or must leave the area. Repeated refusal to comply with the requirement may result in discipline through the applicable conduct code.

Reasonable accommodations may be made for those who are unable to wear a face covering for documented health reasons.

Please contact Student Disability Services at sds@kennesaw.edu for student accommodation requests .

Shifting Modalities

Please note that the university reserves the right to shift teaching modalities at any time during the semester, if health and safety guidelines require it to do so. Some teaching modalities that may be used are F2F, Hybrid, or online, both synchronous and asynchronous instruction.

Staying Home When Sick

If you are ill, please stay home and contact your health professional. In that case, please email the instructor to say you are missing class due to illness. Signs of illness include, but are not limited to, the following:

- Cough
- Fever of 100.4 or higher
- Runny nose or new sinus congestion
- Shortness of breath or difficulty breathing
- Chills
- Sore Throat
- New loss of taste and/or smell

Seating Plans

Students will sit in the same seat for every F2F class so that the instructor can use a seating plan for contact tracing if a student contracts Covid-19.

Web Cameras

Instructors may require web cameras in their respective courses.

Tentative Course Schedule: Subject to Change

Dr. Sarah North snorth@kennesaw.edu

CS 3410 – Introduction to Database

Weeks Due Dates Every Two Weeks		Course Modules & Tasks
1	Module_1 <i>Module Tasks Due Jan 26</i>	Welcome- Login to Vista and overview http://d2l.kennesaw.edu/ Module 1 Introduction to Database DB Assignment_1, Quiz_1, & Discussion Due - Refer to D2L
2	Module_2 <i>Module Tasks Due Feb 9</i>	Module 2 Relationship Diagram for Data Analysis (ER) DB Assignment_2, Quiz_2, & Discussion Due - Refer to D2L
3	Module_3 <i>Module Tasks Due Feb 23</i>	Module 3 Map ER to Schema, Normalization DB Assignment_3, Quiz_3, & Discussion Due - Refer to D2L
4	Module_4 <i>Module Tasks Due March 5</i> Test_1	Module 4 Physical DB Design and DB Security DB Assignment_4 - Refer to D2L Test #1 – Mod_1 – Mod_4 - Refer to D2L
5	Module_5 <i>Module Tasks Due March 23</i>	Module 5 SQL Data Definition Language & Procedural Language DB Assignment_5, Quiz_4, & Discussion Due - Refer to D2L
6	Module_6 <i>Module Tasks Due April 6</i>	Module 6 Client/Server Systems and Multi Tier Architecture DB Assignment_6, Quiz_5, & Discussion Due - Refer to D2L
7	Module_7 <i>Module Tasks Due April 20</i>	Module 7 Data Warehouse DB Assignment_7, Quiz_6, & Discussion Due - Refer to D2L
8	Module_8 <i>Module Tasks Due April 30</i> Test_1	Module 8 Virtual Desktop DB Assignment_8 - Refer to D2L <u>Test_2</u> – Comprehensive - Refer to D2L