IT 240: Introduction to Databases
Spring 2022 :: Tuesdays, 5:45-9:00 pm CST & Online Async, Lewis Center 1105

Instructor Info

Seth J. Kinnett   Office Hours: Wednesdays, 11:30am-2:30pm
skinnett@depaul.edu   Zoom: https://tinyurl.com/KinnettOfficeHours

Please utilize Bluestar to make office hour appointments during the hours listed. I strongly encourage you to make use of the office hours listed, but I will accommodate some appointments outside of these times. Please plan for up to 48 hours for email responses.

Course Description

This course will introduce students to the design, implementation, and use of desktop databases. Major topics include modeling using ER diagrams, creating & maintaining a database using a PC-based application, composing & using queries in Structured Query Language, creating and customizing forms and reports, and integrating databases with other sources of data and applications. PREREQUISITE(S): NONE

Course Learning Outcomes

By the end of this course, students will be able to:
- Describe the basic principles of the relational database model
- Explain the basic functionality of the MS Access desktop database management system
- Design queries using visual query design tools
- Write simple T-SQL statements within a desktop database environment
- Develop entity relationship diagrams (ERDs) to satisfy business data requirements
- Translate ERDs into data tables to capture identified entities, attributes, and relationships
- Explain the various dimensions of database administration and the importance of each dimension
- Import data from other sources into a desktop database

Materials

- **Database Concepts, 9th Edition** by Kroenke, Auer, Vandenberg & Yoder
  - Text in some form is required, print version *highly* recommended
- Microsoft Access database management system
- Visual Studio Code
- Access to a PC (MS Access does not run on MacOS)

About our Course Modality

This course is offered in two-sections as an in-person lecture modality, which is recorded and made available as part of an Asynchronous Online modality. You are expected to attend class regularly or watch lectures in a timely manner. You are responsible for all material discussed in the lectures.

COVID-19 Updates

All university policies surrounding COVID-19 and the prevention of infectious diseases will be observed in this course, including masking during in-person sessions. For the latest news and resources regarding DePaul's response to COVID-19, please visit: https://resources.depaul.edu/coronavirus/Pages/default.aspx

Computer Labs & Internet-Enabled Devices

If you need access to a computer, you can view the list of computer labs on campus for more information. Don't forget to bring your DePaul ID or you may not be able to access the lab. Intelliprint systems are available in computer labs and at other locations on campus for printing.

Library Resources

The DePaul University Library (https://library.depaul.edu) provides access to authoritative information sources and online research tools which you can access using your Campus Connect login. Research help is available daily via text, chat, phone, email or video. You may also make an appointment with a librarian to discuss your research projects.

Grading Scale

A	93 - 100	B+	87 - 89.9	C+	77 - 79.9	D+	67 - 69.9
A-	90 - 92.9	B	83 - 86.9	C	73 - 76.9	D	60 - 66.9
		B-	80 - 82.9	C-	70 - 72.9	F	0 - 59.9

Grading Breakdown

1. **Professionalism (10%) –** Polite, professional conduct, including adherence to masking, when appropriate, and other class safety policies is assumed of everyone.
2. **Assignments (30%) –** These homework assignments are designed to provide hands-on exposure to the course concepts and ensure students are able to translate requirements into solutions. Late homework is accepted with some stipulations, noted in a subsequent section
3. **Online Quizzes (30%)** - These are short quizzes to ensure you understand the basic terms and concepts covered each week. You can take each quiz up to 5 times during the week it's assigned. The **average** grade achieved before the due date will be counted, but no late quizzes will ever be accepted. After the due date, you can use quizzes to prepare for the final exam.
4. **Final Exam (30%) –** A comprehensive examination of the course material, administered during official Final Exam week, in person.

Schedule, Quiz, Assignment, Exam Information

Unless otherwise noted, all assignments and quizzes will be submitted or completed within D2L, and are due by 11:59pm, Monday night, of the week they are assigned. Each week begins on Tuesday. The lowest assignment score will be dropped. The final exam is administered in person during finals week. A score of below 50% on the final exam cannot result in a course letter grade above a C-.

- A score of below 50% on the final exam may require a consultation with the instructor in which you will be required to explain your code from assignments
- A score of below 40% on the final exam cannot result in a course letter grade above a D.
- Not taking the final exam will result in a failing grade for the course.

Late Work

- No late quizzes will ever be accepted.
- Late Assignments receive a penalty of 2% per hour overdue.

Course Schedule

Week	Topic	Selected Tasks/Details *(D2L will always have the most comprehensive information)*
Week 1	Course Overview Foundations of Databases & The Relational Model	Complete Syllabus Quiz Obtain Textbook Install Access
Week 2	The Relational Model	Read Chapters 1 and 2 Complete Quiz 1
Week 3	Intro to SQL	Read Chapter 3 Complete Assignment 1
Week 4	Intermediate SQL	Complete Quiz 2
Week 5	Data Modeling & Entity Relationship Diagrams	Read Chapter 4
Week 6	Data Modeling & Entity Relationship Diagrams	Complete Quiz 3 Complete Assignment 2
Week 7	Database design & Implementing entities, attributes, relationships	Read Chapter 5
Week 8	Database Administration	Read Chapter 6 Complete Quiz 4 Complete Assignment 3
Week 9	Integration, Data Warehousing	Read Appendix B-10, Chapter 7
Week 10	Final Exam Review	Complete Quiz 5 Complete Assignment 4 Prepare for Final Exam
Finals Week	Final Exam	Final Exam Due

Academic Integrity

DePaul University is a learning community that fosters the pursuit of knowledge and the transmission of ideas within a context that emphasizes a sense of responsibility for oneself, for others and for society at large. Violations of academic integrity, in any of their forms, are, therefore, detrimental to the values of DePaul, to the students' own development as responsible members of society, and to the pursuit of knowledge and the transmission of ideas. Violations include but are not limited to the following categories: cheating; plagiarism; fabrication; falsification or sabotage of research data; destruction or misuse of the university's academic resources; alteration or falsification of academic records; and academic misconduct. Conduct that is punishable under the Academic Integrity Policy could result in additional disciplinary actions by other university officials and possible civil or criminal prosecution. Please refer to your Student Handbook or visit Academic Integrity at DePaul University (http://academicintegrity.depaul.edu) for further details.

Tutoring

Tutoring for this course is available via CDM Tutoring: https://www.cdm.depaul.edu/Student-Resources/Pages/Student-Tutoring.aspx . Please pursue this resource if you find yourself falling behind or having challenges with the class.

DePaul and CDM Policies

RESOURCES FOR STUDENTS WITH DISABILITIES

Students who feel they may need an accommodation based on the impact of a disability should contact the instructor privately to discuss their specific needs. All discussions will remain confidential. To ensure that you receive the most appropriate accommodation based on your needs, contact the instructor as early as possible in the quarter (preferably within the first week of class), and make sure that you have contacted the Center for Students with Disabilities (CSD) by emailing csd@depaul.edu and/or visiting one of the locations below.

Loop Campus
Lewis Center Suite 1420
25 East Jackson Blvd
phone: (312) 362-8002
fax: (312) 362-6544
tty: (773) 325-7296

Lincoln Park Campus
Student Center, Suite #370
2250 N Sheffield Ave
phone: (773) 325-1677
fax: (773) 325-3720
tty: (773) 325-7296

ONLINE COURSE EVALUATIONS

Evaluations are a way for students to provide valuable feedback regarding their instructor and the course. Detailed feedback will enable the instructor to continuously tailor teaching methods and course content to meet the learning goals of the course and the academic needs of the students. They are a requirement of the course and are key to continue to

provide you with the highest quality of teaching. The evaluations are anonymous; the instructor and administration do not track who entered what responses. A program is used to check if the student completed the evaluations, but the evaluation is completely separate from the student's identity. Since 100% participation is our goal, students are sent periodic reminders over three weeks. Students do not receive reminders once they complete the evaluation. Students complete the evaluation online in campusconnect.depaul.edu.

ENROLLMENT/WITHDRAWAL AND OTHER ACADEMIC POLICIES

All students are required to manage their class schedules each term in accordance with the deadlines for enrolling and withdrawing as indicated in the University Academic Calendar. Information on registration policies can be found at DePaul Central.

WITHDRAWAL

Students who withdraw from the course do so by using the Campus Connection system (campusconnect.depaul.edu). Withdrawals processed via this system are effective the day on which they are made. Simply ceasing to attend, or notifying the instructor, or nonpayment of tuition, does not constitute an official withdrawal from class and will result in academic as well as financial penalty.

SYLLABUS CHANGES AND ERRORS

The instructor may make changes and updates to the course syllabus and schedule as needed. Students will be notified of any changes. If you find any broken links, outdated information, or other content that just seems "off" somehow, please let me know so I can fix it.

Revision History
Original version.