



# CSE 204

# INTRODUCTION TO DATABASE SYSTEMS

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# COURSE SCHEDULE

- Room, Day, & Time:
  - AMFİ2 – Tuesday/Thursday 15:30
- Instructor: Joseph LEDET
  - Office: Computer Engineering Building 2nd Floor
  - E-mail: josephledet@akdeniz.edu.tr
  - Office Hours: Tuesday 12:30 – 13:30, 14:30 – 15:30 or by appointment
- Assistant: Doruk BAŞARAN
  - Office: Computer Engineering Building 2nd Floor
  - E-mail: dorukbasaran@akdeniz.edu.tr
  - Office Hours: Thursday 10:00 – 12:00 or by appointment



# COURSE OBJECTIVES

- This course introduces the fundamentals of database systems including relational data model, entity/relationship model, SQL, query optimization, integrity constraints, and normalization. Upon successful completion of this course, students will be able to:
  - Understand DBMS and RDBMS
  - Explain the basic components of an E-R Model
  - Normalize a database
  - Obtain data from a database using SELECT SQL queries
  - Alter data in a database using UPDATE, DELETE, INSERT SQL queries
  - Design, create, and modify structure of a database



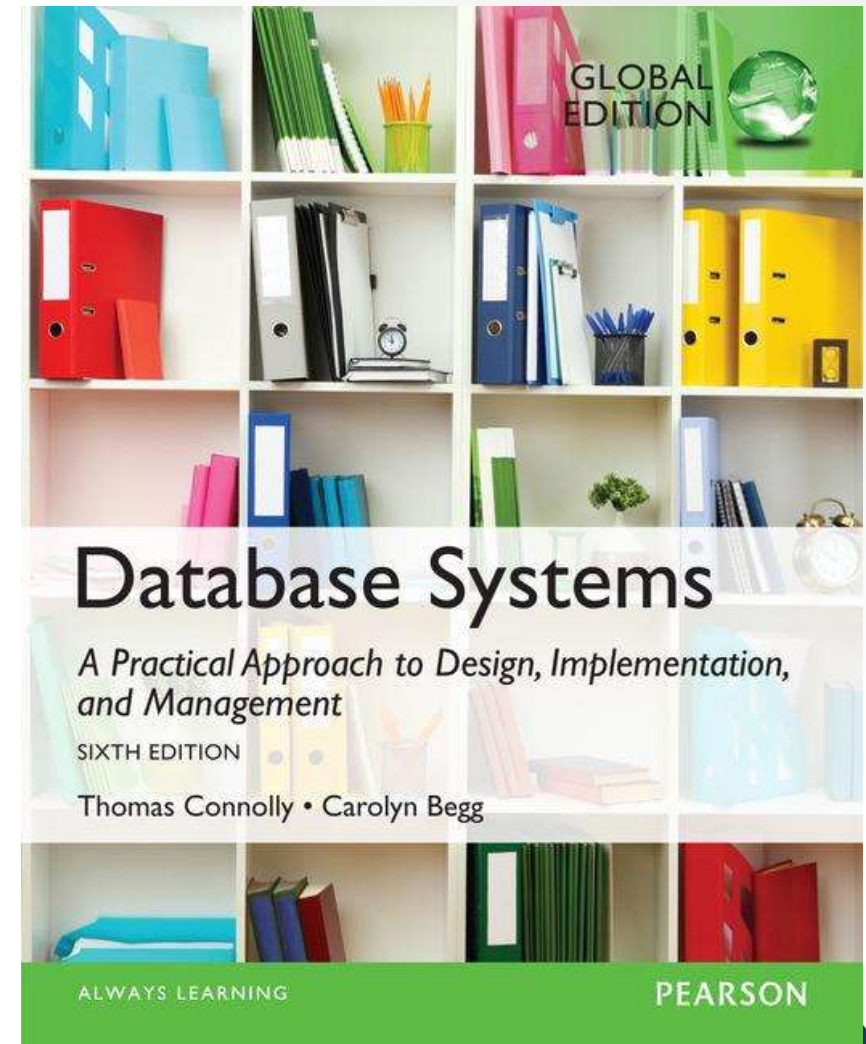
# TEXTBOOK

- T. Connolly and C. Begg

*Database Systems: A Practical Approach to Design, Implementation, and Management, Global Edition.*

Pearson (Intl), 2014.

ISBN-13: 9781292061184



# COURSE INFORMATION

- The lecture slides, announcements, and homework will be available through Microsoft Teams. Make sure that you have been added to the course

## 25B\_CSE 204\_Database Systems\_Ö\_1

- <https://www.microsoft.com/en-us/microsoft-365/microsoft-teams/group-chat-software/>
- It is **your** responsibility to check frequently for updates concerning this course.
- You can install the mobile app (Android or IOS) to your phone so that you can get notifications whenever an announcement is made.



# GRADING

Category	Weight
Assignments & Quizzes	20%
Midterm	20%
Project & Presentation	20%
Final	40%



# ATTENDANCE

- Attendance and class discussions are essential for the learning process
- If you miss a class it is your responsibility to find out what was discussed in the class
  - Ask and answer questions





# HOMework & PROJECTS

- All homework assignments are due by the date and time set by instructor as the deadline. You will lose 10% for each day they are late and homework submissions will not be accepted after two days.
- A semester project will be given. Details of this project will be discussed by the third week of class.





# EXAMINATIONS

- There will be no make-up for any midterm unless a medical excuse is provided.
- Final exam will be comprehensive and you will be responsible for all the topics covered during the semester.
  - There will be a final re-take exam after the letter grades are posted. This exam will be a replacement exam for your final exam score.



# ACADEMIC INTEGRITY

- If you get caught cheating, maximum possible action will be taken, including reporting the matter to the appropriate university authorities.
- Please cooperate by doing your own work and not seeking inappropriate help from your classmates.
- It is encouraged to discuss course topics and assignments amongst yourselves, as long as that discussion does not lead to an exchange of solutions.



COURSE  
OUTLINE

Week	Tue	Thu	Chapter	Tentative Topics
1	Feb 11	Feb 13	1, 4	Introduction, Relational Model
2	Feb 18	Feb 20	6	SQL
3	Feb 25	Feb 27	6, 7	Advanced SQL
4	Mar 04	Mar 06	10	Database System Development
5	Mar 11	Mar 13	11	Database Analysis
6	Mar 18	Mar 20	12, 13	Entity Relationship Model
7	Mar 25	Mar 27	13, 14	E-R Model, Normalization
8	Apr 01	Apr 03		Ramazan Bayramı & Normalization
9	Apr 08	Apr 10		Tentative Midterm Week
10	Apr 15	Apr 17	14, 15	Normalization
11	Apr 22	Apr 24	16	Conceptual Database Design
12	Apr 29	May 01	17, 18	Logical & Physical Database Design Emek ve Dayanışma Günü
13	May 06	May 08		Group Presentations
14	May 13	May 15		Group Presentations

# COMMUNICATION

- If you need to email me, please
  - Use my university email address ([josephledet@akdeniz.edu.tr](mailto:josephledet@akdeniz.edu.tr))
  - Begin the subject line with “CSE 204” and include a brief (maximum of a few words) description of your comment or question
    - CSE 204: Group Project
    - CSE 204: Assignment 2
    - CSE 204: Quiz 01
  - I will do everything within my power to respond within 24 hours (business day)
  - Make sure your question has not already been addressed in the course material (slides, announcements, etc.)



# COMMUNICATION

- If you have concerns about grading, contact me within a reasonable amount of time
- If you are asking to have a grade increased, have a valid reason why
  - The solution does work, but maybe the grader did not understand completely
  - The grader did not see a part of the solution on another page
  - NOTE: I really, really, really want/need to pass this class is NOT a valid reason



# GROUP PROJECT

- If you have a group (of 5) and an idea, have the group leader email me with the following
  - Names of all group members (each member must be cc'ed in the email)
  - Group project idea
  - Include a bit about why you want to do this project
- Details to follow in later lectures



# IMPORTANT NOTES

- Keep up with the course.
- When in doubt...ASK!
- Attempting and failing is better than not attempting at all.
  - Partial credit is your friend!
- Practice!
- If you have a class conflict or if you want to use a previous year's quiz grades or project grades, we must be notified by email no later than the end of the third class week (28-Feb-2025)





# THIS WEEK

- Install a tool for SQL or MySQL/PHP
  - [https://en.wikipedia.org/wiki/List\\_of\\_Apache%E2%80%93MySQL%E2%80%93PHP\\_packages](https://en.wikipedia.org/wiki/List_of_Apache%E2%80%93MySQL%E2%80%93PHP_packages)
- Suggestions
  - XAMPP
  - ORACLE
  - Windows
    - Microsoft Access
    - WAMP
  - Mac OSX
    - MAMP
  - Linux
    - LAMP

