CSC 261/461 – Database Systems Lecture 27

Fall 2017

Final

• On Dec 18

• 7:15 pm - 8:45 pm (90 minutes)

• Location: CSB 601

Announcements

Course Evaluation

- The link is at my.rochester.edu.
- Click on the Student Access tab and select the Course Evaluation
 Results from Spring 2012 Current.
- Once you complete all your course evaluations you will be permitted to view your grades as they become available.
- I will really appreciate your feedback.
- Let me know:
 - What you liked about the course
 - What you did not like much (I will work on that to improve)

I am offering the course again in Spring 2018. So, your feedback is really important

Fall vs. Spring Offering

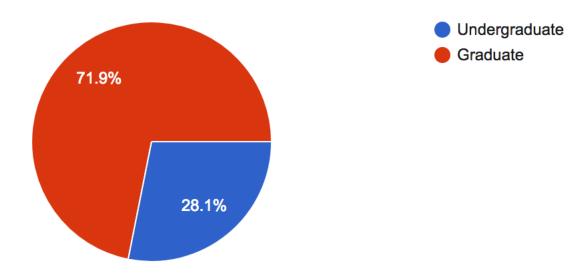
- Less students
- More interactions
- More in-depth coverage

I really enjoyed this small class (vs 100 students next semester) with a lot of energetic students.

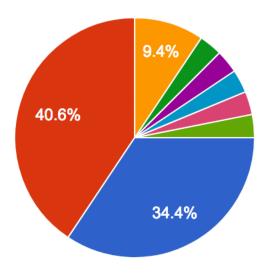
- More Graduate Students than Undergraduate
- More Data Science Students

I really enjoyed this small class (vs 100 students next semester) with a lot of energetic students.

Grad vs UG

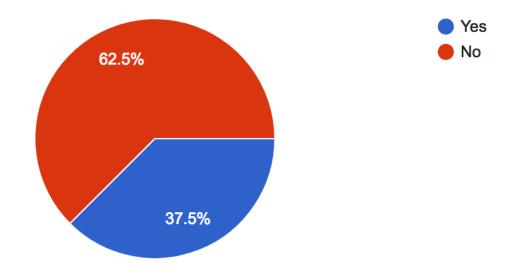


Major

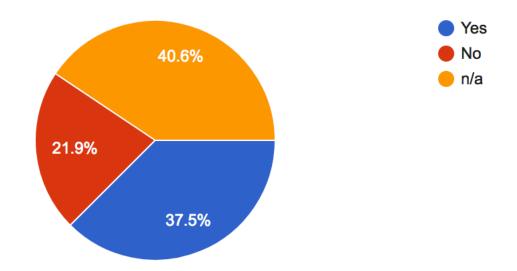


- Computer Science
- Data Science
- Electrical and Computer Engineering
- Non matriculated, interested in Data Science and Biostatistics
- Alternative Energy
- Physics
- Linguistics
- TEAM

Did you take CSC 172?



If 'no', have you ever taken a course similar to CSC 172

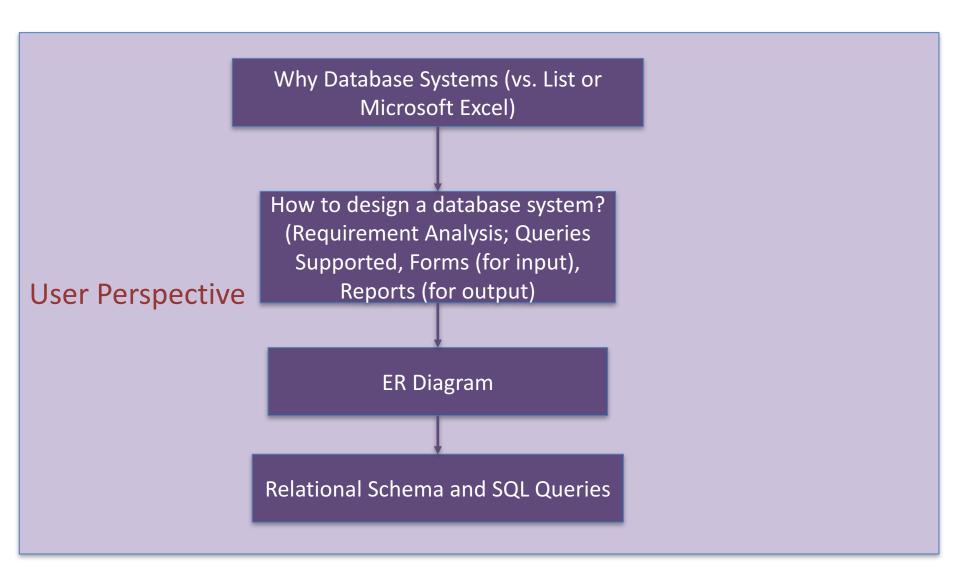


If any of you need to brush up data structures knowledge:

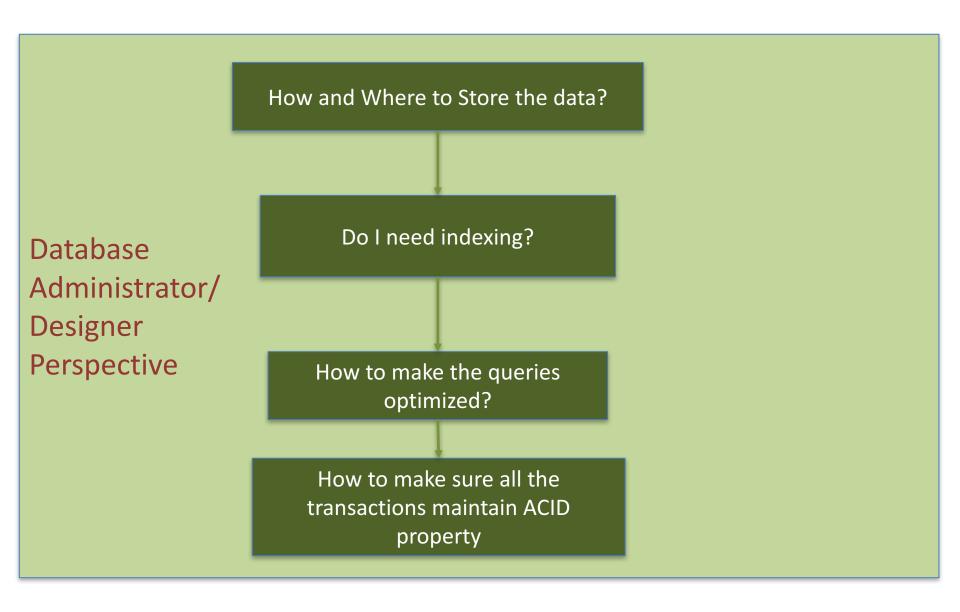
- 1. You can review slides from my current offering: http://www.cs.rochester.edu/courses/172/fall2017/
- 2. http://lti.cs.vt.edu/LTI ruby/Books/CS172/html/

COURSE COVERAGE

What did we learn in this course (Before MT)



What did we learn in this course (After MidTerm)



Chapters to Study for Final

- SQL
- Whatever we covered after midterm:
 - File Structures, Indexing, and Hashing
 - Chapter 16 (Disk Storage, File Structure and Hashing)
 - Chapter 17 (Indexing)
 - Query Optimization
 - Chapter 18
 - Chapter 19
 - Transactions
 - Chapter 20
 - Chapter 21
 - Chapter 22

For most of these topics, going through the slides and working on the problem sets are good enough.

Final

- 60 pts
 - 20 pts short questions
 - 40 pts longer-questions
 - Mostly focuses on topics covered after Mid-Term
 - SQL is included
 - There will be extra credit problems!

Topics to Study

- Main Modules:
 - File Structures, Hashing, Indexing
 - Query Processing and Optimization
 - Transactions
 - Projects
 - Project 2: SQL + Triggers

Each of these 4 sections is worth between 10 and 20 pts.

No question on Functional Dependencies
No question on Normalization
No question on ER diagrams
No question on MongoDb

That's all



Acknowledgement

- CS 145 offered by Stanford University
- Textbook authors
- Numerous websites
- Last but not the least

All of you



It's Exam Time! Here's a BIG

