

BBM471

Database Management Systems

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Lecture

- Lecturer
 - Dr. Fuat Akal
- Teaching Assistants
 - Yalın Yalıcı, Zeynep Bala
- Classes
 - Tuesdays, 09:15, @D10
 - Attendance (**Yes**)
- Communication will be through Piazza **only!**

<http://yunus.hacettepe.edu.tr/~akal/BBM471/>

Grading & Attendance

- Two midterm (20% + 30%) and one final (40%) examinations.
 - Examinations will be conducted as materials closed. Except that you can have a cheat-sheet with you. It may be double sided A4 sheet and must be hand written in ink. Exchanging cheat-sheets during the examination is not allowed.
- Attendance is **mandatory** and worth 10%.
 - Those who failed the class before with F2 or F3 grades will be evaluated over 90%.
- **Fuat's strict attendance rule** : Students can only be entitled to get 10% by attending to at least 70% of the lectures (i.e. 7 lectures), which is the minimum amount of lectures you have to attend officially. Those who can pass this threshold will get that 10% proportionally to the number of lectures attended.
- Those who do not attend at least 70% of the lectures will fail the class with F1.



BBM473 Database Laboratory

- Thursdays, 13:00, @D8
 - Not weekly, see schedule
 - Follow Piazza announcements
- Grading
 - Projects (Part 1 (6%) + Part 2 (34%))
 - Attendance to Exercises (18%)
 - Final Examination (42%)
- Attendance (**Yes**)
 - Missing **at most 3** exercise sessions results in F1



BBM473 Requirements

- You will use either SQLite, MySQL or Postgresql databases to implement your database schema.
- Applications will be developed by using the Django (Python) framework.
- No other programming language, web framework or database management system will be accepted.



Schedule

Week #	Date	Title	Slides	BBM473 Lab Session	Reading
1	25.02.2020	Course Logistics and Database History SQL: Introduction	pdf , pdf		
2	03.03.2020	Database Design: ER Diagrams	pdf	Exercise 0, Exercise 1	
3	10.03.2020	SQL: Advanced	pdf	Exercise 2	
4	17.03.2020	Database Design: Theory 1			
5	24.03.2020	Database Design: Theory 2	pdf	Exercise 3	
6	31.03.2020	Midterm 1		Database Project, Design Reports <i>Deadline: 05.04.2020, Midnight</i>	
7	07.04.2020	Transactions and Isolation Backup, Recovery, Replication	pdf	Exercise 4	
8	14.04.2020	Data Access: I/O Model, Indexes	pdf		
9	21.04.2020	Relational Algebra	pdf	Exercise 5	
10	28.04.2020	Optimization	pdf	Exercise 6	
11	05.05.2020	Midterm 2		Exercise 7	
12	12.05.2020	NOSQL			
13	19.05.2020	No Class (Commemoration of Atatürk, Youth and Sports Day)		Exercise 8 Database Project, Applications <i>Deadline: 22.05.2020, Midnight</i>	
14	26.05.2020	No Class (Ramadan Feast Day 3)			

