BA 4104 & BAS 312- Managerial Skills Laboratory II
Thursday 16.40-18.15 @G208

Instructor:	Dr. H.Gonca BULUR
Office:	FEAS Building B, I202
Phone:	2103033
E-mail:	bulur@metu.edu.tr
Office Hours:	Thursday: 14.30-15.130
Course Web Page:	https://odtuclass.metu.edu.tr
Course Description:	

A database management system (DBMS) is a software system that is used to create and manage databases. This course offers a basic exploration of DBMSs with a focus on designing, implementing and managing robust and efficient databases. Students will gain an understanding of the fundamental concepts of DBMSs and conduct different operations using MySQL. They will develop some skills to create a database containing information about the graduates of our department with MySQL. The database will be helpful for reaching the graduates and strengthening the bond between them. In business life, establishing a database of department graduates helps streamline recruitment and build a network of skilled professionals, enhancing talent acquisition and fostering industry connections.

Course Student Learning Objectives: (CSLOs)

Upon successful completion of this course, students should be able to:
Course Specific Skills:
1. Understand the basic properties of a DBMS
2. Know how to design, implement and manage databases
3. Learn how to use MySQL
4. Develop skills in MySQL to build a database consisting of the acquired information from graduates
5. Comprehend how to establish a network

Discipline Specific Skills:
6. Recognize how databases are useful in our daily lives
7. Understand the importance of coordination for obtaining large amounts of information and entering them to the database created
8. Comprehend the significance of databases for networking in business life

Personal and Key Skills:
9. Develop communication and networking skills
10. Develop problem-solving skills
11. Develop programming skills
12. Prepare a database that consists of the application of the methods learned during the term

Learning and Teaching Methods:

This course is going to make use of formal lectures in class/computer laboratory, discussions, applications in the computer environment, problem solving and exams.

Required Reading:

Suggested Reading:

Fundamentals of Database Systems, 6th edition, R. Elmasri, S.B. Navathe, Addison-Wesley, 2011.
MySQL Cookbook, 3rd edition, P. DuBois, O'Reilly Media Inc., 2014.

Assignment and Grading (tentative):

Form of Assessment	% Contribution	Size of the Assessment	CSLOs Covered by the Assessment	Feedback Method
Midterm 1	20	Individual	1-4,6,7,9-11	Written
Midterm 2	20	Individual	1-4,6,7,9-11	Written
In-class exercises, assignments, etc.	50	Homework problems, quizzes and exercises	1-12	Written and oral
Attendance	10	Attending lectures	1-12	Written and oral

Course Policies:

CLASS ATTENDANCE: Attending regular lectures are expected for this course.

STUDENT DISABILITIES: Any student, who, because of a disabling condition, may require special arrangements in order to meet course requirements, should contact the instructor as soon as possible. Students should present the appropriate documentation from the university's Disability Support Office (Engelsiz ODTÜ Birimi, ODTÜ Kütüphanesi, Solmaz İzdemir Salonu, Tel: 210.7196; engelsiz@metu.edu.tr) verifying their disability, and outlining the special arrangements required. Please note that no accommodations will be provided to the disabled students prior to the completion of this approved University process.

ACADEMIC DISHONESTY: The Department of Business Administration has no tolerance for acts of academic dishonesty. Such acts damage the reputation of METU, the department and the BS degree and demean the honest efforts of the majority of the students. The minimum penalty for an act of academic dishonesty will be a zero for that assignment or exam.

CHEATING: All university, faculty/institute, and department principles on academic honesty will be strictly enforced. The usual consequence for academic dishonesty is failure of the course and referral of the case to the Dean of the Faculty/Institute for additional disciplinary action. Examinations are individual and are to be completed without outside assistance of any sort. Persons observed cheating during examinations will receive a failing grade in the course. Homework assignments are individual, unless otherwise specified by the instructor, and are to be completed without outside assistance of any sort, as well. Persons observed cheating in their homework assignments will receive a score of zero for the portion of the semester grade that is allocated to such assignments. Persons observed to plagiarize while preparing assignments will be referred to the Dean of the Faculty for additional disciplinary action and also they will receive a score of zero for the portion of the semester grade that is allocated to such assignments.

PLAGIARISM: The instructor assumes that students will do their own work. By placing their names on assignments (individual or team), students are affirming that the contents are their original work. Any previous work available from files or past students, as well as materials available on the internet may be used only as a suggestive model. Violation of this provision will be considered as unethical behavior, subject to disciplinary action. If you have any doubt about the use of a specific material, see the instructor ahead of time. Any material used from outside sources should be referenced appropriately.

METU HONOR CODE

Every member of METU community adopts the following honor code as one of the core principles of academic life and strives to develop an academic environment where continuous adherence to this code is promoted.

"The members of the METU community are reliable, responsible and honorable people who embrace only the success and recognition they deserve, and act with integrity in their use, evaluation and presentation of facts, data and documents."

CIVILITY IN THE CLASSROOM: Students are expected to assist in maintaining a classroom environment which is conducive to learning. In order to assure that all students have an opportunity to gain from time spent in class, unless otherwise approved by the instructor, students are prohibited from using laptop computers and cellular phones, making offensive 4 remarks, reading newspapers, sleeping, or engaging in any other form of distraction. Inappropriate behavior in classroom shall result, minimally, in a request to leave class.

Past observations showed that the METU classroom experience is improved when the following are true:

Students arrive on time. Timely arrival ensures that classes are able to start and finish at the scheduled times. Timely arrival shows respect for both fellow students and faculty and it helps to create a better learning environment by reducing avoidable distractions.

Students are fully prepared for each class. Much of the learning in this course takes place during classroom discussions. When students are not prepared, they cannot contribute to the learning process. This affects not only the individual but also the classmates who count on them.

Students respect the views and opinions of their colleagues. Disagreement and debate are encouraged; however, intolerance for the views of others is unacceptable.

Laptops, phones and wireless devices are turned off.

STUDENT EXCUSES FOR EXAMS AND ASSIGNMENTS: In case you cannot attend one of the examinations, if and only if you can present an official (dean's or president's office approved) **excuse** or **METU Medical Center certified Health Report**, you will be eligible to take a make-up examination. Late submission of assignments will not be accepted.

ACADEMIC REGULATIONS: http://oidb.metu.edu.tr/en/academicrules-and-regulations

ACADEMIC CALENDAR: http://oidb.metu.edu.tr/en/academic-calendar

The instructor assumes that students who attend the next class have understood and accepted to agree with all the requirements and rules of this course.

The following table gives the tentative schedule for the semester. The lectures will stress the most important and/or most difficult material.

				Tentative Course Schedule	
Week	**Month**	**Day**	**Topic**	**Reading/ Assignment**	**CSLO**
1	FEBRUARY	19	**Introduction**		
2	FEBRUARY	26	**Theoretical foundations-Introduction to database systems (data and database concepts, database management systems (DBMS))**	Week 2 slides (in ODTU Class) and relevant textbook sections	1-2,5,8-11
3	MARCH	5	**Theoretical foundations-Fundamentals of database systems (data models, categories and start collecting the data for the department graduates)**	Week 3 slides (in ODTU Class) and relevant textbook sections	1-2,5,8-11
4	MARCH	12	**Theoretical foundations-Fundamentals of database systems (data models, categories and database design process)**	Week 4 slides (in ODTU Class) and relevant textbook sections	1-2,5,8-11
5	MARCH	19	**Religious holiday**	No class	
6	MARCH	26	**Theoretical foundations-Fundamentals of database systems & Introduction to MySQL**	Week 6 slides (in ODTU Class) and relevant textbook sections	3-6,9-11
7	APRIL	2	**Introduction to MySQL**	Week 7 slides (in ODTU Class) and relevant textbook sections	3-6,9-11
8	APRIL	TBA	**Midterm 1**		1-4,6,7,9-11
8	APRIL	9	**Practical applications with MySQL- Advanced MySQL queries and start creating the database for the department graduates**	Week 8 slides (in ODTU Class) and relevant textbook sections	1-12
9	APRIL	16	**Practical applications with MySQL- Data manipulation and transactions**	Week 9 slides (in ODTU Class) and relevant textbook sections	1-12
10	APRIL	23	**National holiday**	No class	

11	APRIL	30	**Practical applications with MySQL- Creating and modifying database structures**	Week 11 slides (in ODTU Class) and relevant textbook sections	1-12
12	MAY	7	**Practical applications with MySQL- Views and stored procedures, data import and export**	Week 12 slides (in ODTU Class) and relevant textbook sections	1-12
13	MAY	TBA	**Midterm 2**		1-4,6,7,9-11
13	MAY	14	**Practical applications with MySQL- Protection, DBMS, planning of database design, creating relational tables for our database and data entries to the established database**	Week 13 slides (in ODTU Class) and relevant textbook sections	1-12
14	MAY	21	**Practical applications with MySQL- Create relational tables for our database and data entries to the established database**	Week 14 slides (in ODTU Class) and relevant textbook sections	1-12
15	MAY	28	**Religious holiday**	No class	
16	JUNE	4	**Practical Applications with MySQL- Additional queries, usage of functions and finalization of the database**	Week 16 slides (in ODTU Class) and relevant textbook sections	1-12