**CMPE 354 Lab 2-3**

**Creating tables and simple queries**

**In this lab work, you will present a database designed and populated for the university environment. You should do the following *before* coming to the lab.**

1. Consider the schema at [https://staff.emu.edu.tr/ekremvaroglu/Documents/CMPE354/DB-Scheme.docx](https://staff.emu.edu.tr/ekremvaroglu/Documents/CMPE354/DB-Scheme.docx%20) (Create all the tables in that schema, with all necessary constraints (primary keys, foreign keys etc.)
2. Populate created tables with data taken with available in the [timetable](https://staff.emu.edu.tr/ekremvaroglu/Documents/CMPE354/CMPE-TTs.pdf), [curriculum](https://staff.emu.edu.tr/ekremvaroglu/Documents/CMPE354/Curriculum.xlsx) and [course load document](https://staff.emu.edu.tr/ekremvaroglu/Documents/CMPE354/Course-Load.pdf)  showing which instructor is teaching which course.
3. Populate the database with actual information of 10 students. You may exclude any course that is taken outside of the department.
4. Write SQL queries to get the following:
   1. All students (all fields)
   2. All course names and their credits
   3. ID of courses taken by a student (student name given)
   4. How many sections (groups) have been opened in the fall 2017 semester
   5. All the instructors who are teaching a course to student with id XXXX (replace XXXX with the ID of a student in your database)