MATH 1310-002/003 Engineering Calculus I (Lab), Spring 2018

Lab Meeting: Section 002: H at 8:35-9:25 in LCB 215 or Section 003: H at 9:40-10:30 in HEB 2002

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TA Office Hours: T 8:30-10:30, WEB 1705

Goal of Lab Session: Strengthen your calculus problem solving ability and understand how the mathematics is applied by solving more challenging and real-world-like problems in groups.

Grading of Labs (15%): Both attendance and lab achievement are graded by your lab report and homework. Problem set in lab report is solved only in the lab. It should be turned in at the end of the class. This counts your lab attendance and part of lab achievement. Homework problem could be solved in the lab or after the class. It would be turned at the beginning of next class. This counts the remaining part of lab achievement.

- Attendance (5%) – It is graded by your lab report. If you don’t turn in lab report at the end of the session, even if you do attend, then you cannot get points.
- Lab Achievement (10%) – Your lab achievement is graded by your lab reports. Please show all of your work. Partial credit will be given where appropriate. No credit is given for problems where there is no work shown. All answers should be completely simplified, unless otherwise stated.

How Lab Session Works:

- Pick up graded and new labs – Please bring back your graded lab. Just checking scores means anything. Please read my comments and think why lose points. I know it is painful, but your real progress happens when you think about your mistakes or fault. We have two problem sets. One is lab report and the other is homework. Be careful not to confuse.
- Turn in homework – Turn in homework you did during the last week.
- Make group with your friends – Since we need to turn in the report at the end of the class, time is limited with only one teacher. It is more helpful to discuss with your group. Of course, I am always behind you, but sometimes, your friends would be a better teacher (and for fun!)
- Review previous lab problems – It may take 5 minutes. We discuss more about common mistakes in previous lab. Still, it is recommended to bring your graded lab back.
- Solve problems in group – We are going to solve 3-4 problems in a session. It can be changed depends on difficulty of contents. This group work is a kind of thought experiment. Ask and answer questions with your friends and me. I hope it will also be fun to you. If we have frequent questions, then we will share it altogether. Contribution always welcome. If you want to share your answer, please let me know! If you finish the lab early, then I recommend you to try homework problems in the class not to disturb others.
- Turn in lab report – This is the last and the important thing. Most of scores come from your lab report, so DO NOT FORGET TO TURN IN LAB at the end of the class.
- Solve homework problems – It contains only 1-2 problems and I hope it does not bother you. Still, if you feel trouble, visit my office hour or tutoring center in LCB ground.

Schedule: We will follow the schedule in class syllabus.