183 EE 390 DIGITAL SYSTEMS ENGINEERING LAB

Week #	Activity
1 **(9 Jun - 10 Jun)**	**NO LAB**
2 **(11 Jun - 12 Jun)**	**Exp#1: Introduction to the Arduino microcontroller & Lab Safety Measures and Guidelines**
3 **(16 Jun - 17 Jun)**	**Exp#2: Basic Application of Arduino microcontroller**
4 **(18 Jun – 19 Jun)**	**Exp#3: Introduction to the 8051 microcontroller and programming**
5 **(23 Jun – 24 Jun)**	**Exp#4: Data Transfer Instructions for Registers and Memory**
6 **(25 Jun - 26 Jun)**	**Exp#5: The 8051 Jump, Loop, and Call Instructions**
7 **(30 Jun - 01 Jul)**	**Exp#6: The 8051 Microcontroller Addressing Modes**
8 **(02 Jul – 03 Jul)**	**NO LAB**
9 **(07 Jul - 08 Jul)**	**Exp#7: The 8051 Arithmetic Instructions**
10 **(09 Jul - 10 Jul)**	**Exp#8: 8051 experiment for Timers/counters**
11 **(14 Jul - 15 Jul)**	**Exp#9: 8051 experiment for Alarm system application (in C)**
12 **(16 Jul - 17 Aug)**	**Exp#10: Using the Interrupts of 8051**
13 **(21 Jul - 22 Jul)**	**Exp#11: Lab project Presentation**
14 **(23 Jul - 24 Jul)**	**Lab Final Exam**
15 **28 Jul**	**Deadline to Submit the Scores To The Lab Coordinator**

Attendance Policy:

- At least 0.5 point out of 20 for each unexcused absence will be deducted out of the student final score.
- At least 0.1 point out of 20 for every 5 minutes late will be deducted out of the student final score (late for 25 minutes or more = absence).
- 2 absences (with or without an official excuse) = official warning.
- 3 absences (without excuse) = DN.
- 4 absences (with or without excuse) = DN.
- Each student should attend with his official section & make ups are not allowed.
- Personal excuses are not acceptable & only official excuses from **students' affairs** are accepted (if submitted within a week of the absence).

Absent Students:

Absent	With an Official Excuse	Without an Official Excuse
Attendance Score	Nothing deducted.	-0.5 point (out of 20) should be deducted.
Quiz (If there is a quiz at that day)	The instructor should give the student a make-up quiz.	The student should get a zero score at that quiz.
Report (If there is a report or an assignment from previous experiments to be submitted at that day or a pre-lab to be submitted at that day.)	An extension equal to the number of days mentioned at the official excuse should be given to the student. If it is zero days that means no extension to the deadline.	The student should get a zero score at that report or prelab unless he managed to submit the report or prelab before the deadline (for example by sending the report or the prelab with another student). *
Report of the experiment that he missed	He should not submit a report for an experiment that he missed. His score on that experiment should be the average score of all of his other reports.	The student should get a zero score.
*In any way the student should not get an extension, make up or an advantage for being absent without an official excuse.		

EE Department Academic Integrity Violations (Copying/Cheating) Policy:

- All academic work or requirements assigned to a student must be carried out by the student himself without any unauthorized aid of any kind.
- All the lab assignments (reports, prelabs, postlabs, ..etc) should be done individually.
- Cheating is defined as obtaining or attempting to obtain, or aiding another to obtain credit for work, or any improvement in evaluation of performance, by any dishonest or deceptive means.
- Academic integrity violations include, but are not limited to: plagiarism, lying, cheating, attempting to cheat, aiding to cheat, copying or editing another student assignment, providing dishonest information and violating instructions & examination regulations.
- When a student violates the academic integrity code (<u>even from the first incident</u>):

    i. The student will get a **<u>ZERO</u>** score out of 20 or even an F grade in the whole course.
    ii. The department might take further disciplinary actions such as reporting the case to students' affairs (which might lead to dismissal from KFUPM).

- When a student copies another student work **both** of them are violating the academic integrity code and the above disciplinary actions will be applied on both of them.
- Academic integrity violations will not be tolerated in any form and the above policy will be applied strictly. Also, all the claims & excuses (such as "working & studying together", "I showed my answers to my colleague & he copied it without my knowledge", "My roommate copied my assignment without my knowledge", "I saved my assignment on a public computer and someone took it from there", "We used to do this at other courses", "I did not know the department policy", "It is my first violation", "Someone told me a different policy" ...etc) that a student might use to justify the academic integrity violation will not be accepted.