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## **PHYS L152 – UNIVERSITY PHYSICS II LAB (1 credit)**

Laboratory sessions to show these fundamental principles of physics will be performed by the students. Lab notebooks are needed to acquire information in each lab session. They will be graded regarding presentation and content. It is not allowed the use of single pages that can be lost.

### **Experiments**

1. Heat of Fusion of Water
2. Error Propagation
3. Oscilloscope
4. The Electric Field and Electric Potential
5. Ohm's Law and DC Circuits
6. RC Circuits
7. Optics
8. Calorimetry

\*Each experiment must be handed in the week that follows its execution.

### **Evaluation**

Attendance is mandatory. All the experiments must be handed in the week after their performance, unless any reasonable reason. Otherwise, a 0 will be assigned as the corresponding grade.

All the experiments will be graded on a base of 10. The one with the lowest grade will be eliminated and the average of the remaining will be the final grade for this laboratory course.

The final grade will be calculated the following way:

*80% for lab reports handed in at time;*

*20% for the notebook*