Course Information		
Course Code, Number & Name	PHYS120 Physics II Lab	
	Total Credits: 1 (Theory Hours: 0, Lab Hours: 2)	
Prerequisite/s	PHYS117 Physics I, PHYS119 Physics I Lab.	

Coo	urse Description
Laboratory work related to the topics covered in PHYS118 Physics II.	

Textbook (Theory)		
Title	Physics	
Author	Halliday D. and Resnick R.	
Publisher	John Wiley & sons	

Course Contents (Laboratory)

Introduction: Fundamentals of Data Analysis and graphs student gain experience in the graphical presentation and interpretation of data.

Experiment 1: Determining the capacitance of a plate capacitor.

Experiment 2: Determining the dielectric constant of a dielectric by using plate capacitor.

Experiment 3: Parallel and Series Connection of Capacitors.

Experiment 4: Charging and discharging a Capacitor (The RC circuit).

Experiment 5: Measuring the Magnetic Field for a Straight Conductor and on Circular

Conductor Loops.

Experiment 6: The Magnetic Field of an Air Coil.

Experiment 7: Electromagnetic Induction (Induction in a moving conductor loop).

Experiment 8: RL circuit.

Experiment 9: Alternating Current with Coil and Ohmic Resistors.

Experiment 10: Determining the Capacitive Reactance of a Capacitor in an AC Circuit.

Academic Coordinator	Official Stamp