

### ASSESSMENT OF PROGRAM LEARNING OUTCOMES (PLO)

**COURSE** : Physics Measurement System  
**CREDIT** : 2  
**STUDY PROGRAM** : Physics Education  
**PERIOD** : 2019/2020(1)  
**CIASS** : PFC 2019  
**PARTICIPANTS** : 26

#### PROGRAM LEARNING OUTCOMES

PLO 1. Demonstrate their knowledge of classical physics and modern physics.

PLO 6. Design and conduct experiments in learning physics by applying the scientific method

PLO 9. Make a decision based on the data or information in order to fulfil and evaluate the tasks responsibility

#### COURSE LEARNING OUTCOMES

1. Have basic knowledge of physics measurement systems and recognize the basic characteristics of measuring instruments
2. Have knowledge and skills in taking single and repeated measurements and presenting the results of their measurements
3. Have the ability to choose the right electric measuring instrument, both manual and digital measuring instruments related to the electric quantity to be measured and able to overcome the obstacles.
4. Have knowledge of the basic concepts of inductance and capacitance measurement and are able to perform graphical measurement of electricity based on Cathode Ray Oscilloscope (CRO)

#### CLO-PLO CORRELATION

	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10	PLO11	PLO12
<b>CLO1</b>	V	0	0	0	0	V	0	0	0	0	0	0
<b>CLO2</b>	V	0	0	0	0	V	0	0	V	0	0	0
<b>CLO3</b>	0	0	0	0	0	V	0	0	V	0	0	0
<b>CLO4</b>	V	0	0	0	0	V	0	0	V	0	0	0

#### ASSESSMENT PLAN

	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10	PLO11	PLO12
<b>CLO1</b>	Assignment, Mid Test, Final Exam	0.00	0.00	0.00	0.00	Assignment, Mid Test, Final Exam	0.00	0.00	0.00	0.00	0.00	0.00
<b>CLO2</b>	Assignment, Mid Test, Final Exam	0.00	0.00	0.00	0.00	Assignment, Participation, Mid Test, Final Exam	0.00	0.00	Assignment, Participation, Mid Test, Final Exam	0.00	0.00	0.00
<b>CLO3</b>	0.00	0.00	0.00	0.00	0.00	Assignment, Participation, Mid Test, Final Exam	0.00	0.00	Assignment, Participation, Mid Test, Final Exam	0.00	0.00	0.00
<b>CLO4</b>	Assignment, Final Exam	0.00	0.00	0.00	0.00	Assignment, Participation, Final Exam	0.00	0.00	Assignment, Participation, Final Exam	0.00	0.00	0.00

**STUDENTS' PERFORMANCE**

	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10	PLO11	PLO12
<b>Excellent</b>	92%	-	-	-	-	92%	-	-	92%	-	-	-
<b>Good</b>	8%	-	-	-	-	8%	-	-	8%	-	-	-
<b>Satisfy</b>	0%	-	-	-	-	0%	-	-	0%	-	-	-
<b>Fail</b>	0%	-	-	-	-	0%	-	-	0%	-	-	-

