

### ASSESSMENT OF PROGRAM LEARNING OUTCOMES (PLO)

**COURSE** : Basic Physics 1  
**CREDIT** : 3  
**STUDY PROGRAM** : Physics Education  
**PERIOD** : 2019/2020(1)  
**CIASS** : PFA 2019  
**PARTICIPANTS** : 29

#### PROGRAM LEARNING OUTCOMES

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

PLO 10. Work as an individual as well as a team effectively, have an entrepreneur skills, and awareness of environmental issues.

PLO 11. Demonstrate good scientific manners, critical thinking, and innovation skills in educational, research, and professional fields.

#### COURSE LEARNING OUTCOMES

1. Students be able to explain basic concepts and principles of kinematics, particle dynamics and rotation, vibration, heat transfer, and thermodynamics.
2. Students master the material, structure, and concepts of physical science and its application in technology.
3. Students are able to use basic physics concepts and appropriate mathematical methods to obtain solutions to quantitative problems in physics.
4. Students are able to work in groups in the discussion process related to mechanics and thermodynamics concepts that are being discussed during learning.

#### CLO-PLO CORRELATION

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

#### ASSESSMENT PLAN

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

**STUDENTS' PERFORMANCE**

	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10	PLO11	PLO12
<b>Excellent</b>	10%	-	-	-	-	-	-	-	-	10%	10%	-
<b>Good</b>	86%	-	-	-	-	-	-	-	-	86%	86%	-
<b>Satisfy</b>	3%	-	-	-	-	-	-	-	-	3%	3%	-
<b>Fail</b>	0%	-	-	-	-	-	-	-	-	0%	0%	-

