

**ASSESSMENT OF PROGRAM LEARNING OUTCOMES (PLO)**

**COURSE** : Research Metodology  
**CREDIT** : 2  
**STUDY PROGRAM** : Physics Education  
**PERIOD** : 2019/2020(1)  
**CIASS** : PFU 2017  
**PARTICIPANTS** : 25

**PROGRAM LEARNING OUTCOMES**

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PLO 3. Demonstrate pedagogical knowledge in planning, teaching, and evaluating of physics learning

PLO 4. Demonstrate knowledge in relating to physics education research.

PLO 7. Improve their knowledge and be able to continue their study in a higher degree program

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

**COURSE LEARNING OUTCOMES**

1. Students can master physics education research methods.
2. Students are able to carry out studies and evaluations of physics learning with quantitative and/or qualitative approaches to solve physics learning problems.
3. Designing a physics education research proposal.
4. Students are able to analyze their findings from several articles that support research proposal planning
5. Students have the ability to develop their research to the next level

**CLO-PLO CORRELATION**

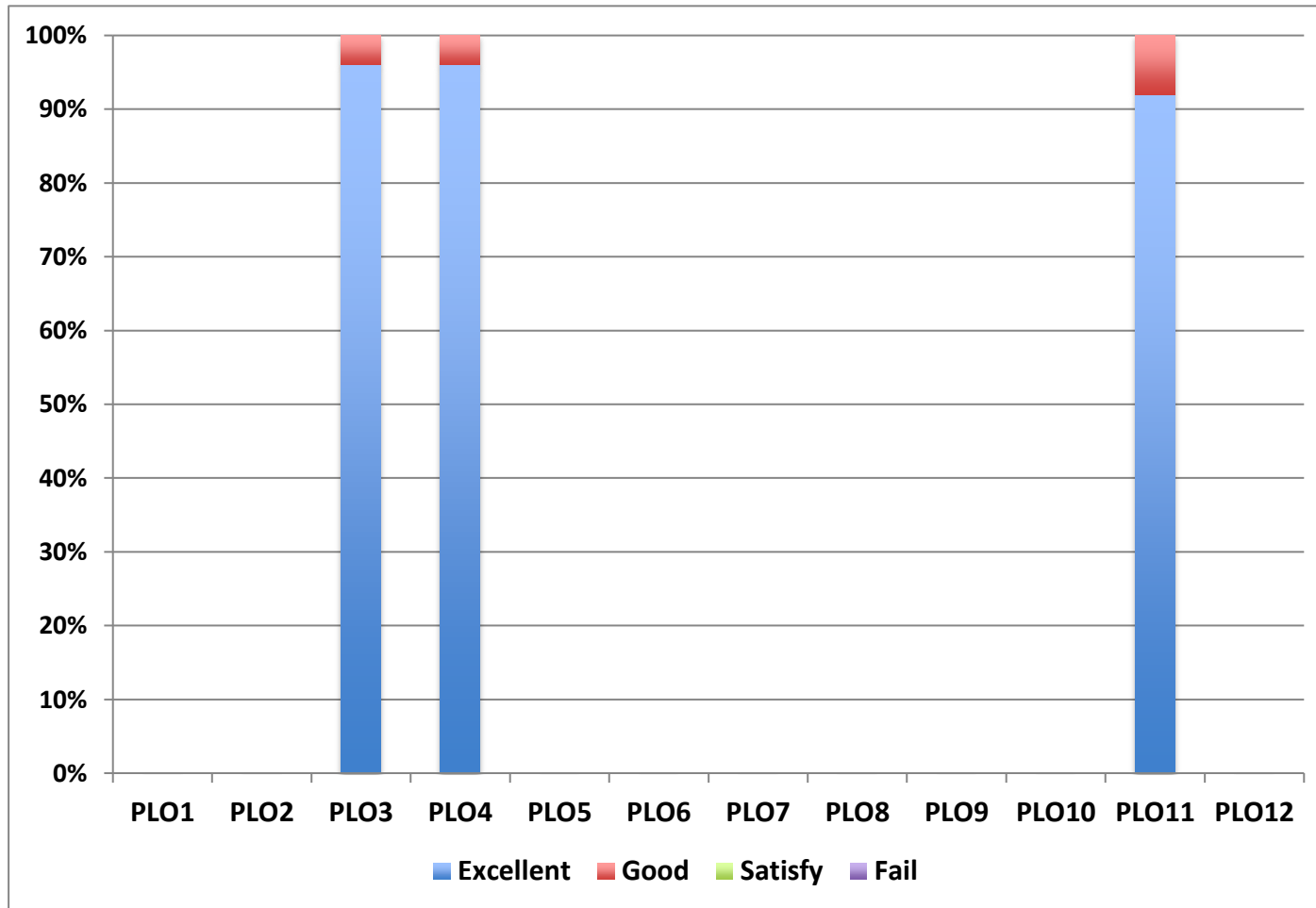
	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10	PLO11
<b>CLO1</b>	0	0	v	0	0	0	0	0	0	0	0
<b>CLO2</b>	0	0	v	0	0	0	0	0	0	0	0
<b>CLO3</b>	0	0	0	v	0	0	0	0	0	0	0
<b>CLO4</b>	0	0	0	V	V	0	0	0	0	0	0
<b>CLO5</b>	0	0	V	0	0	0	V	0	0	0	0

**ASSESSMENT PLAN**

	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10	PLO11
<b>CLO1</b>	0.00	0.00	Assignment, Mid Test,	0.00	0.00	0.00	0.00	0.00	0.00	Assignment, Mid Test,	0.00
<b>CLO2</b>	0.00	0.00	Assignment, Mid Test	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>CLO3</b>	0.00	0.00	0.00	Assignment, Partipation, Final Exam	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>CLO4</b>	0.00	0.00	0.00	Assignment, Partipation, Final Exam	0.00	0.00	Assignment, Partipation, mid tes, Final Exam	0.00	0.00	0.00	Assignment, Partipation, mid test, Final Exam
<b>CLO5</b>	0.00	0.00	0.00	Assignment, Partipation, Mid test, Final Exam	0.00	0.00	Assignment, Partipation	0.00	0.00	0.00	Assignment, Partipation, mid test, Final Exam

**STUDENTS' PERFORMANCE**

	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10	PLO11
<b>Excellent</b>	-	-	96%	96%	-	-	-	-	-	-	92%
<b>Good</b>	-	-	4%	4%	-	-	-	-	-	-	8%
<b>Satisfy</b>	-	-	0%	0%	-	-	-	-	-	-	0%
<b>Fail</b>	-	-	0%	0%	-	-	-	-	-	-	0%



PLO12
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PLO12
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PLO12
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