COURSE PORTFOLIO

Study Program	:	MATHEMATICS - S1
Semester	:	ODD 2023/2024
Course Code	:	23H02110902
Course Name	:	Basic Physics
Coordinator	:	Naimah Aris, S.Si.,M.Math.
Lecturer Team Member	:	

Implementation of Learning

Description of the implementation of the lecture, the suitability of what was planned in the RPS with what was done:

Number and percentage of lecturer and student attendance
(data source: monitoring the attendance of lecturers and students)

	Lecturer Attendance	Student Attendance
Basic Physics A	Total Meeting : times.	Number of students: 40 persons Presence ≥ 80% : Presence < 80% :
Basic Physics B	Total Meeting : times.	Number of students: 47 persons Presence ≥ 80% : Presence < 80% :

Materials/practicum provided

1. Kinematics and Dynamics
2. Work and energy
3. Linear momentum and impact
4. Temperature and heat
5. Laws of thermodynamics
6. Static Fluids and Dynamic
7. Static and dynamic electricity
8. Electric circuits
9. Terrain magnetic
10. Wave
11. Geometry Optics
12. Introduction to Physics Modern

The learning methods implemented

1. Problem-based Learning
2. Small Group Discussion
3. Project-based Learning

The assessment method implemented

1. UTS

2. Collaborative Learning (CoL)
3. Case Study (CS)
4. UAS
5. Problem Based Learning (PBL)

Supplementary information (if available)

None

2. Learning Outcomes

Measurement results of CLO

Assessment and Evaluation of Student Achievement of CLO[a]

LOs that are charged to the Course	CLO	Assessment Form	Weight	Average student score (0-100)
S1	CLO-1	Problem Based Learning (PBL)	10.00 %	78.83
S1	CLO-1	UTS	20.00 %	78.83
S1	CLO-2	Collaborative Learning (CoL)	10.00 %	78.83
S1	CLO-2	UAS	20.00 %	78.83
S1	CLO-2	UTS	20.00 %	78.83
S1	CLO-2	Problem Based Learning (PBL)	10.00 %	78.83
S1	CLO-3	Case Study (CS)	10.00 %	78.83
S1	CLO-3	UAS	20.00 %	78.83
S2	CLO-3	Case Study (CS)	10.00 %	78.83
S2	CLO-3	UAS	20.00 %	78.83
ILO 1	CLO-1	UTS	20.00 %	78.83
ILO 1	CLO-1	Problem Based Learning (PBL)	10.00 %	78.83
ILO 1	CLO-2	UTS	20.00 %	78.83
ILO 1	CLO-2	Collaborative Learning (CoL)	10.00 %	78.83
ILO 1	CLO-2	UAS	20.00 %	78.83
ILO 1	CLO-2	Problem Based Learning (PBL)	10.00 %	78.83
KK1	CLO-3	Case Study (CS)	10.00 %	78.83
KK1	CLO-3	UAS	20.00 %	78.83

a: result criteria: very satisfactory if the average score is ≥ 80; satisfactory if the average score is 70 - 79.9; unsatisfactory if the average score is < 70.

Percentage of students who achieved a very satisfactory CLO score [b]

(data source: student scores per assessment according to CLOs)

CLO	% of students who achieved a CLO score of at least 80
CLO-1	55.17%
CLO-2	55.17%
CLO-3	55.17%

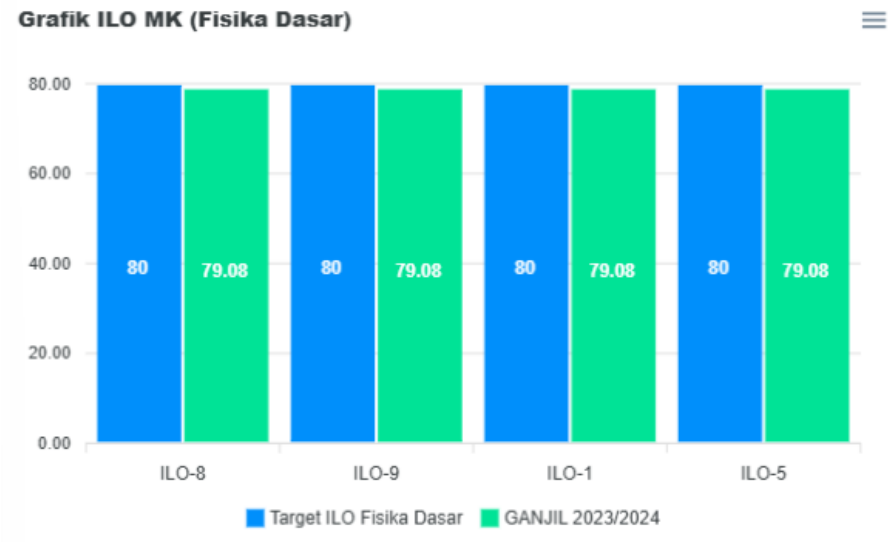
b: result criteria: very satisfactory if ≥80% of students score ≥80; satisfactory if 70%-79.9% of students score ≥80; less satisfactory if < 70% of students score ≥80.

Course Grade

Course Grade	Number and Percentage of Students
A	31 (35.6%)
A-	17 (19.5%)
B+	12 (13.8%)
B	8 (9.2%)
B-	12 (13.8%)
C+	4 (4.6%)
C	1 (1.1%)
D	0 (0.0%)
E	2 (2.3%)

3. Learning evaluation (survey) results

(data source: items / narratives of the results of the MK evaluation questionnaire by students)



Hasil Pengukuran CPL MK Fisika Dasar

4. Analysis and Reflection

Analysis and Reflection

This graph compares **ILO Targets Basic Physics** (blue bar) is set at **80** for each ILO indicator (ILO-8,

ILO-9, ILO-1, and ILO-5), with realization in the semester **ODD 2023/2024** (green bar) recorded at **79.08** for all indicators.

The analysis shows that the actual achievements for all ILO indicators (ILO-8, ILO-9, ILO-1, and ILO-5) in the Odd semester 2023/2024 are **slightly below the target** (80) but the achievement is very close (79.08). Deviation (deviation) of 0.92 (ie 80 - 79.08) is relatively small, indicating that the learning and evaluation process of Basic Physics MK has been running effectively and has almost reached the set standards. The consistency of the value of 79.08 across all indicators indicates that the problems (if any) or inhibiting factors are comprehensive (*general*), not specific to one particular aspect of the ILO. Reflection needs to be focused on small but significant efforts to encourage collective achievements in order to reach the target figure of 80.

5. Follow-up Plan

The Follow-up Plan (RTL) should focus on overcoming small deviations of 0.92 to reach the target of 80 or even exceed it. First, it is necessary to review the evaluation instruments and the assessment weights, especially on components that have a major impact on final outcomes, to ensure that the assessment fully reflects the competencies mastered by students. Second, optimizing the time and intensity of guidance/tutorials, especially on key topics that have a high weight in the ILO indicators, can help students close the remaining knowledge gaps. Third, **make micro improvements to teaching methods** by integrating more relevant case examples/real applications to improve conceptual understanding and problem solving skills which are at the core of the ILO Physics indicators Basics.

6. Follow-up results on the previous semester's evaluation

this achievement which almost reached the target (79.08) indicates that the improvements or follow-up carried out in the previous period have produced results that are close to optimal. Achievements that are consistent and very close to the target indicate the existence of a structured and measurable learning and evaluation system. If in the previous semester there was a very low ILO, then the current achievement of 79.08 is the result of successful corrective efforts. This success places MK Basic Physics in a good position, where only a little encouragement and adjustments are needed to achieve the ideal target in the next semester.

Makassar, 24 Oktober 2025

Naimah Aris, S.Si.,M.Math.
NIP 197110031997022001