COURSE PORTFOLIO

Study Program	:	GEOPHYSICS - S1
Semester	:	ODD 2023/2024
Course Code	:	23H06120203
Course Name	:	Fields and Waves in Geophysics
Coordinator	:	Dr. Muhammad Alimuddin, Eng.
Lecturer Team Member	:	Dra. Maria, M.Si., Dr. Muhammad Hamzah S., S.Si.,MT., Muhammad Fawzy Ismullah Massinai, S.Si, M.T

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
FIELDS AND WAVES IN GEOPHYSICS (A)	Dr. Muhammad Hamzah S., S.Si.,MT.	:	times	
	Dra. Maria, M.Si.	:	times	Number of students: 38 persons
	Muhammad Fawzy Ismullah Massinai, S.Si, M.T	:	times	Presence ≥ 80% : Presence < 80% :
	Total Meeting : times.			
FIELDS AND WAVES IN GEOPHYSICS (B)	Dr. Muhammad Hamzah S., S.Si.,MT.	:	times	
	Dra. Maria, M.Si.	:	times	Number of students: 37 persons
	Muhammad Fawzy Ismullah Massinai, S.Si, M.T	:	times	Presence ≥ 80% : Presence < 80% :
	Total Meeting : times.			

Materials/practicum provided

Learning Materials for Fields and Waves in Geophysics

1. Gravitational field and gravitational potential

2. Electric field and electric potential

3. Magnetic fields and magnetic potential

4. Faraday's law in integral and differential form and its applications

5. Ampere - Maxwell's law in integral and differential form and its applications

6. General properties of waves and mechanical wave equations

7. Power and intensity of mechanical waves

8. 2-Dimensional and 3-Dimensional Waves

9. Electromagnetic Waves

The learning methods implemented

Teaching Methods for Field and Wave Courses in Geophysics

1. Cooperative Learning

2. Collaborative Learning

The assessment method implemented

1. Project/Case Study

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)
P2	CLO-1	Project/Case Study	100.00 %	75.87
P2	CLO-2	Project/Case Study	100.00 %	75.87
KK1	CLO-1	Project/Case Study	100.00 %	75.87
KK1	CLO-2	Project/Case Study	100.00 %	75.87
P1	CLO-1	Project/Case Study	100.00 %	75.87
P1	CLO-2	Project/Case Study	100.00 %	75.87

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	48.00%

CLO	% of students who achieved a CLO score of at least 80
CLO-2	48.00%

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	9 (12.0%)
A-	27 (36.0%)
B+	21 (28.0%)
B	9 (12.0%)
B-	3 (4.0%)
C+	2 (2.7%)
C	0 (0.0%)
D	1 (1.3%)
E	3 (4.0%)

3. Learning evaluation (survey) results

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

4. Analysis and Reflection

None

5. Follow-up Plan

None

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

None

Makassar, 24 Oktober 2025

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