

COURSE PORTFOLIO

Study Program	: GEOPHYSICS - S1
Semester	: ODD 2023/2024
Course Code	: 23H06120103
Course Name	: Mathematical Geophysics II
Coordinator	: Dr. Muhammad Taufiq Rafi
Lecturer Team Member	Dr. Muhammad Alimuddin, Eng., Dr. Muhammad Taufiq Rafi, Andi Muhammad Prammatadie, S.T., M.Eng., Ph.D, Saaduddin. S.Pd., M.Sc

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
MATHEMATICAL GEOPHYSICS II (A)	Dr. Muhammad Alimuddin, Eng.	: times
	Dr. Muhammad Taufiq Rafi	: times
	Saaduddin. S.Pd., M.Sc	: times
	Andi Muhammad Prammatadie, S.T., M.Eng., Ph.D	: times
	Total Meeting : times.	
MATHEMATICAL GEOPHYSICS II (B)	Dr. Muhammad Alimuddin, Eng.	: times
	Dr. Muhammad Taufiq Rafi	: times
	Saaduddin. S.Pd., M.Sc	: times
	Andi Muhammad Prammatadie, S.T., M.Eng., Ph.D	: times
	Total Meeting : times.	

Materials/practicum provided

Mathematical Geophysics II Learning Materials

1. Ordinary Differential Equation (ODE)
2. Laplace Transformation
3. Transformation Z

4. Fourier Series and Fourier Transformation

5. Partial Differential Equation (PDE) linear (parabolic, hyperbolic, elliptic)

The learning methods implemented

Learning Methods for Mathematical Geophysics II Subject

1. Small Group Discussion

2. Case-Based Study

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 %	65.79
KK1	CLO-2	Project/Case Study	100.00 %	65.79
KK1	CLO-3	Project/Case Study	100.00 %	65.79

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	4.00%
CLO-2	4.00%
CLO-3	4.00%

b: result criteria: very satisfactory if $\geq 80\%$ 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	0 (0.0%)
A-	3 (4.0%)
B+	21 (28.0%)

Course Grade	Number and Percentage of Students
B	8 (10.7%)
B-	21 (28.0%)
C+	16 (21.3%)
C	1 (1.3%)
D	0 (0.0%)
E	5 (6.7%)

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

Dr. Muhammad Taufiq Rafi
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