

COURSE PORTFOLIO

Study Program	: GEOPHYSICS - S1
Semester	: ODD 2023/2024
Course Code	: 23H06120403
Course Name	: Geophysical Computational Methods I
Coordinator	: Dr. Muhammad Taufiq Rafi
Lecturer Team Member	: Dr. Muhammad Alimuddin, Eng., Dr. Muhammad Taufiq Rafi

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
GEOPHYSICAL COMPUTING METHODS I (A)	Dr. Muhammad Alimuddin, Eng.	: times
	Dr. Muhammad Taufiq Rafi	: times
	Total Meeting : times.	
	Number of students: 39 persons Presence $\geq$ 80% : Presence < 80% :	
GEOPHYSICAL COMPUTING METHODS I (B)	Dr. Muhammad Alimuddin, Eng.	: times
	Dr. Muhammad Taufiq Rafi	: times
	Total Meeting : times.	
	Number of students: 37 persons Presence $\geq$ 80% : Presence < 80% :	

Materials/practicum provided

Learning Materials for Geophysical Computational Methods Course I

1. Introduction to Computational Geophysics
2. Python Basics
3. Condition Selection
4. Repetition
5. Arrays, Numpy Matplotlib
6. Function

7. Matplotlib and Numpy

applications

The learning methods implemented

Learning Methods for Geophysical Computational Methods Course I

1. Project-Based Study
2. Small Group Discussion

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 %	70.77
KK4	CLO-2	Project/Case Study	100.00 %	70.77

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	11.84%
CLO-2	11.84%

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-	9 (11.8%)
B+	29 (38.2%)
B	29 (38.2%)
B-	2 (2.6%)

Course Grade	Number and Percentage of Students
C+	0 (0.0%)
C	0 (0.0%)
D	2 (2.6%)
E	5 (6.6%)

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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