

COURSE PORTFOLIO

Study Program	: GEOPHYSICS - S1
Semester	: EVEN 2023/2024
Course Code	: 23H06120803
Course Name	: Geophysical Computational Methods II
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
COMPUTATIONAL GEOPHYSICAL METHODS II (A)	Dr. Muhammad Alimuddin, Eng. : times	Number of students: 33 persons Presence $\geq 80\%$: Presence $< 80\%$:
	Dr. Muhammad Taufiq Rafi : times	
	Total Meeting : times.	
COMPUTATIONAL GEOPHYSICAL METHODS II (B)	Dr. Muhammad Alimuddin, Eng. : times	Number of students: 37 persons Presence $\geq 80\%$: Presence $< 80\%$:
	Dr. Muhammad Taufiq Rafi : times	
	Total Meeting : times.	

Materials/practicum provided

Material provided in the Computational Methods II course:

1. Perceptron learning rules
2. Supervised Hebbian Learning
3. Widrow-Hoff Learning
4. Backpropagation
5. Dynamic Networks
6. Associative Learning

7. Competitive Networks
8. Radial Basis Networks
9. Grossberg Networks
10. Hopfield Networks

The learning methods implemented

Learning methods in the Computational Methods II course:

1. Group discussion (Small Group Discussion)
2. Study Case Study

The assessment method implemented

1. Task
2. 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 %	75.09
P2	CLO-1	Task	100.00 %	66.27
KU1	CLO-2	Project/Case Study	100.00 %	75.09
KU1	CLO-2	Task	100.00 %	66.27
KK1	CLO-3	Project/Case Study	100.00 %	75.09
KK1	CLO-3	Task	100.00 %	66.27

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	5.71%
CLO-2	5.71%
CLO-3	5.71%

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	1 (1.4%)
A-	3 (4.3%)
B+	37 (52.9%)
B	13 (18.6%)
B-	8 (11.4%)
C+	2 (2.9%)
C	2 (2.9%)
D	0 (0.0%)
E	4 (5.7%)

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

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