SEMESTER COURSE PLAN

RESULTS SEMINAR COURSES
(23H06140404)

TEACHING TEAM

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STUDI PROGRAM OF GEOPHYSICS - S1
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
HASANUDDIN UNIVERSITY
MAKASSAR
2025

STUDY PROGRAM OF GEOFISIKA - S1
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
HASANUDDIN UNIVERSITY

Vision

Become a program Reliable studies in the field of geophysics to produce superior graduates and mastering science, technology, arts and culture based on BMI in 2030.

Vision Strategy

Misson

Based on the Vision above, the Geophysics Study Program has a mission:

1. Improving the quality of education to produce graduates who are competitive, able to work independently and in groups in implementing and developing BMI science and technology;

2. Carrying out research to produce reliable and competitive scientific work oriented towards the scientific development of solid geophysics, marine geophysics, geoinformatics and hydro-meteorology;

3. Disseminate the results of applied research, action studies and appropriate technology packages in synergistic and accelerated productive activities to improve the quality of life of the community.

Graduate Profiles

Educators in the Field of Geophysics; meteorologist; geomaths; oceanographer; exploration geophysicist; seismologist ; geophysical entrepreneur.

PLO charged to courses

CPL-8 (KU1) - Able to apply logical, critical, systematic and innovative thinking in developing or applying geophysical science by considering human values, and able to analyze and communicate case studies and research results using geophysical tools through scientific reports, international presentations and article publications, as well as uploading them on the university website.

CPL-9 (KU2) - Able to demonstrate independent, quality and measurable performance in maintaining professional collaboration with supervisors and colleagues at national and international levels, as well as completing tasks responsibly using relevant modern geophysical tools

CPL-10 (KU3) - Able to make the right decisions in solving problems, verifying information, and analyzing data in the field of applied geophysics—especially in land use studies and environmental studies—by using modern geophysical analysis and computing tools based on the results of information and data analysis, to carry out the process of evaluating, documenting, and rediscovering data to ensure validity and prevent plagiarism

Course Learning Outcomes (CLO)

CPMK-1: Students are able to use geophysical concepts that have been studied in previous courses as solutions to earth issues that are developing in society from a geophysical point of view. (CPL8)

CPMK-2: Students have self-confidence, good ethics, and good performance in oral and written communication (CPL9)

CPMK-3: Students are able to write scientific research proposals and scientific presentations (CPL10)

Sub-CLO

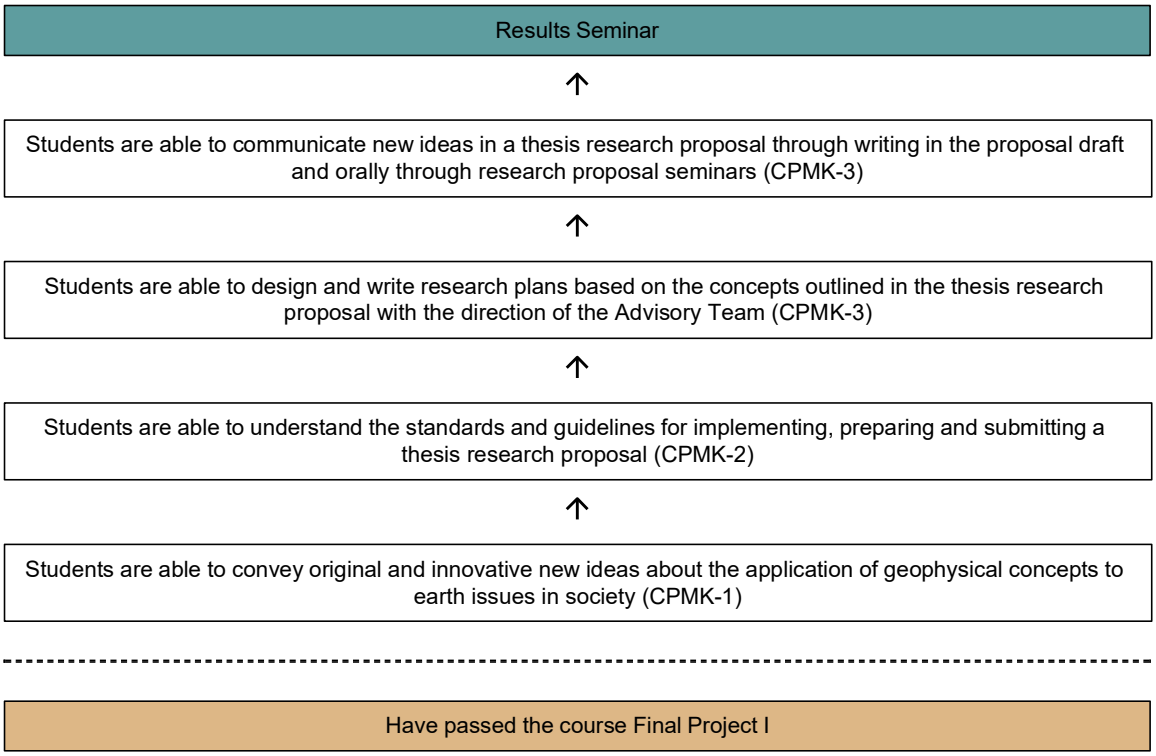
Sub CPMK-1: Students are able to convey original and innovative new ideas about the application of geophysical concepts to earth issues in society (CPMK-1)

Sub CPMK-2: Students are able to understand the standards and guidelines for implementing, preparing and submitting a thesis research proposal (CPMK-2)

Sub CPMK-3: Students are able to design and write research plans based on the concepts outlined in the thesis research proposal with the direction of the Advisory Team (CPMK-3)

Sub CPMK-4: Students are able to communicate new ideas in a thesis research proposal through writing in the proposal draft and orally through research proposal seminars (CPMK-3)

Learning Analytics



HASANUDDIN UNIVERSITY
FAKULTY OF MATHEMATICS AND NATURAL SCIENCES
STUDY PROGRAM OF GEOPHYSICS - S1
SEMESTER LEARNING PLAN

Course	Code	Cource Group	Credits	SEMESTER	Compilation Date
Results Seminar	23H06140404	Study Program Compulsory Courses	4	8	1 Juli 2025

AUTHORITY	SLP Developer Lecturer	Coordinator	Head of Study Program
	Muhammad Fawzy Ismullah Massinai, S.Si, M.T	Dr. Muhammad Alimuddin, Eng.	Dr. Muhammad Alimuddin, Eng.

Learning Outcomes Course	**SLOs that are imposed on the course**	
	SLO-8:	Mampu menerapkan pemikiran logis, kritis, sistematis, dan inovatif dalam mengembangkan atau menerapkan ilmu geofisika dengan mempertimbangkan nilai-nilai kemanusiaan, serta mampu menganalisis dan mengkomunikasikan studi kasus dan hasil penelitian menggunakan perangkat geofisika melalui laporan ilmiah, presentasi internasional, dan publikasi artikel, serta mengunggahnya pada laman universitas.
	SLO-9:	Mampu menunjukkan kinerja yang mandiri, berkualitas, dan terukur dalam menjaga kolaborasi profesional dengan pembimbing dan rekan kerja di tingkat nasional maupun internasional, serta menyelesaikan tugas secara bertanggung jawab dengan menggunakan perangkat geofisika modern yang relevan
	SLO-10:	Mampu mengambil keputusan yang tepat dalam memecahkan masalah, memverifikasi informasi, dan menganalisis data pada bidang geofisika terapan—khususnya dalam kajian tata guna lahan dan studi lingkungan—dengan menggunakan perangkat analisis dan komputasi geofisika modern berdasarkan hasil analisis informasi dan data, untuk melaksanakan proses evaluasi, pendokumentasian, serta penemuan kembali data guna menjamin validitas dan mencegah plagiasi
	SLO ⇒ Course Learning Outcomes	
	After completing this course, it is expected:	
	SLO-8	**CLO-1:** Students are able to use geophysical concepts that have been studied in previous courses as solutions to earth issues that are developing in society from a geophysical point of view.
	SLO-9	**CLO-2:** Students have self-confidence, good ethics, and good performance in oral and written communication
	SLO-10	**CLO-3:** Students are able to write scientific research proposals and scientific presentations
	CLO ⇒ Sub-CLO	
	CLO-1	**Sub-CLO-1:**Students are able to convey original and innovative new ideas about the application of geophysical concepts to earth issues in society
	CLO-2	**Sub-CLO-2:**Students are able to understand the standards and guidelines for implementing, preparing and submitting a thesis research proposal
	CLO-3	**Sub-CLO-3:**Students are able to design and write research plans based on the concepts outlined in the thesis research proposal with the direction of the Advisory Team

	Sub-CLO-4: Students are able to communicate new ideas in a thesis research proposal through writing in the proposal draft and orally through research proposal seminars
	Correlation between SLOs/CLOs to Sub-CLOs

SLOs that are charged on the Course	CPMK	SUB CPMK	Form of Assessment*		Weight	Value	Student Score
			Formative	Sumative			
				Project/Case Study			
SLO-10	CLO-3	SUB-CLO-4	Technique: Structured independent or team research under the guidance of the Advisory Team. Assessment Criteria: Rubric System	100	100		
				100	100		

Course Description	Gagal diterjemahkan
Learning Materials/Subjects	Gagal diterjemahkan
Reference	**Main References**
	Gagal diterjemahkan
	Additional References
	-
Teaching Team	Drs. Erfan, M.Si., Dr. Muhammad Alimuddin, Eng.
Course requirement	Final Project I

Week	Sub CPMK (End-of-stage learning ability)	Penilaian (*Assesment*)		Learning Forms and Methods [time estimate]		Content	Weight of Assessment (%)
		Indicator	Techniques & Criteria	Offline	Online		
1	2	3	4	5	6	7	8

1-16	Students are able to communicate new ideas in a thesis research proposal through writing in the proposal draft and orally through research proposal seminars (CPMK-3)	**Formative:** Gagal diterjemahkan **Sumative:** -	**Formative Criteria:** Technique: Structured independent or team research under the guidance of the Advisory Team. Assessment Criteria: Rubric System **Sumative Criteria:** Project/Case Study (100) **Assessment Technique:** Non Test	**Research, Design, or Development:** Project-Based Learning (Project-based Learning) Gagal diterjemahkan TM [16 x 2 x 50`]		Gagal diterjemahkan	100
							100

Matrix of SLO, CLO, and Assessment Method

SLO / CLO	CLO-1	CLO-2	CLO-3
CPL-8 (KU1)			
CPL-9 (KU2)			
CPL-10 (KU3)			Project/Case Study (Weight 100%)

Evaluation Type and Assessment Weight

Type	Assessment Weight
Project/Case Study	100
Total	100

Assessment and Evaluation of Student Achievement of CLOs

SLOs that are charged on the Course	CLO	SUB CLO	Form of Assessment*		Weight	Value	Student Score
			Formative	Sumative			
				Project/Case Study			
SLO-10	CLO-3	SUB-CLO-4	Technique: Structured independent or team research under the guidance of the Advisory Team. Assessment Criteria: Rubric System	100	100		
				100	100		