COURSE PORTFOLIO

Study Program	:	MATHEMATICS - S1
Semester	:	ODD 2023/2024
Course Code	:	23H01110203
Course Name	:	Mathematical Logic and Sets
Coordinator	:	Prof. Dr. Amir Kamal Amir, M.Sc.
Lecturer Team Member	:	Prof. Dr. Budi Nurwahyu, MS., Dra. Nur Erawati, M.Si., Prof. Dr. Hasmawati, M.Si., Prof. Dr. Amir Kamal Amir, 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 Logic and Sets A	Prof. Dr. Amir Kamal Amir, M.Sc.	:	8 times	Number of students: 40 persons Presence ≥ 80% : 39 persons (97.50 %) Presence < 80% : 1 person (2.50 %)
	Dra. Nur Erawati, M.Si.	:	8 times	
	Total Meeting : 16 times.			
Mathematical Logic and Set B	Prof. Dr. Budi Nurwahyu, MS.	:	8 times	Number of students: 40 persons Presence ≥ 80% : 38 persons (95.00 %) Presence < 80% : 2 persons (5.00 %)
	Prof. Dr. Hasmawati, M.Si.	:	8 times	
	Total Meeting : 16 times.			

Materials/practicum provided

1. Basics of logic (Basics of logic)

2. Quantified Statement (Quantor statement)

3. Use of Quantor Statements

4. Method of Evidence (method of evidence)

5. Basics of Set Theory

6. Relations in Sets

7. Set of cardinal numbers

The learning methods implemented

Collaborative Learning

The assessment method implemented

1. Case Studies
2. Final Test
3. Short Q&A
4. Mid Test
5. Independent Assignment

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)
ILO 1	CLO-1	Independent Assignment	5.00 %	84.35
ILO 1	CLO-1	Case Studies	15.00 %	84.44
ILO 1	CLO-1	Mid Test	10.00 %	84.42
ILO 1	CLO-1	Short Q&A	4.00 %	84.41
ILO 1	CLO-1	Final Test	14.00 %	84.31
P2	CLO-3	Independent Assignment	5.00 %	84.83
P2	CLO-3	Case Studies	15.00 %	84.11
P2	CLO-3	Mid Test	10.00 %	84.42
P2	CLO-3	Short Q&A	4.00 %	84.50
KU1	CLO-2	Case Studies	15.00 %	84.44
KU1	CLO-2	Mid Test	10.00 %	84.42
KU1	CLO-2	Independent Assignment	5.00 %	84.60
KU1	CLO-2	Short Q&A	3.00 %	84.53
KU1	CLO-2	Case Studies	20.00 %	84.54
KU1	CLO-2	Final Test	14.00 %	84.31

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	98.75%
CLO-2	98.75%
CLO-3	98.75%

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.

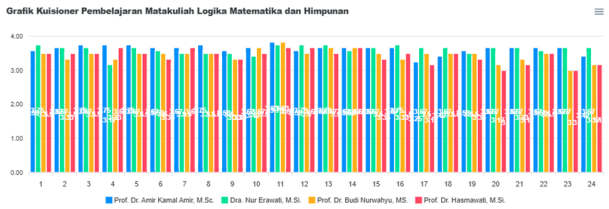
Course Grade

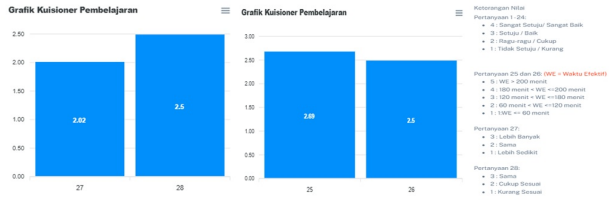
Course Grade	Number and Percentage of Students
A	51 (63.7%)
A-	28 (35.0%)
B+	0 (0.0%)
B	0 (0.0%)
B-	0 (0.0%)
C+	0 (0.0%)
C	0 (0.0%)
D	0 (0.0%)
E	1 (1.2%)

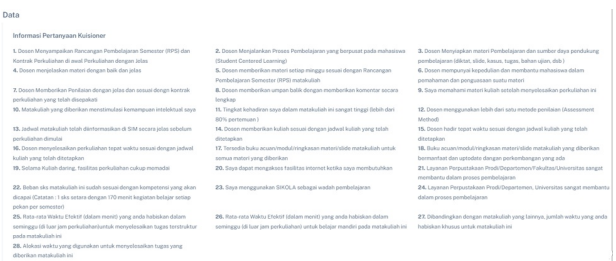
3. Learning evaluation (survey) results

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

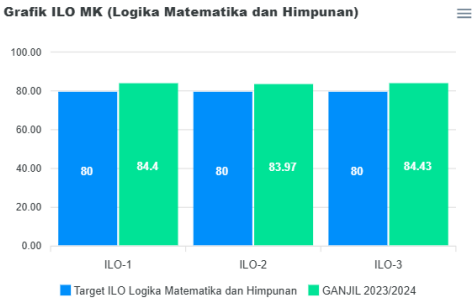
Hasil Evaluasi Pembelajaran Matakuliah Logika Matematika dan Himpunan







Hasil Pengukuran CPL Mata Kuliah Logika Matematika dan Himpunan



4. Analysis and Reflection

Analysis and Reflection

Analysis

Analysis of the data shows that the performance of the Mathematical Logic and Sets course is at a very good and satisfactory level. Learning outcomes in all measured aspects have consistently succeeded in meeting and even exceeding the targets set. In addition, the performance shown is very even and stable across all learning outcomes, without any significant gaps between one area and another, which indicates the success of the comprehensive learning process in that period.

Reflection

This superior and consistent performance reflects that the design and implementation of the course has been very effective. There is strong alignment between the teaching process, the material provided, and the evaluation system, so that students are able to achieve learning goals very well. Therefore, follow-up for this course is no longer corrective, but focuses on efforts to maintain existing standards of excellence. The reflection is the importance of documenting existing good practices and continuing to carry out continuous optimization to maintain consistent quality in the future.

5. Follow-up Plan

In response to the excellent and consistent achievements in the Mathematical Logic and Sets Course, where all learning targets were successfully exceeded, the follow-up plan is not remedial in nature, but focuses on standardization of good practice and quality sustainability. This step will include official documentation of teaching methods and evaluation systems that have been proven effective to serve as reference models. The main goal is to maintain consistent high performance in future course implementation and make it a model for other basic courses.

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

Following up on the findings of the previous semester's evaluation for the Mathematical Logic and Sets Course, which identified very superior performance and consistently exceeding targets, an action plan focused on standardizing good practices and optimizing has been implemented. Quality stability and continuous innovation to maintain the standards of excellence that have been achieved.

Makassar, 21 Oktober 2025

Prof. Dr. Amir Kamal Amir, M.Sc.
NIP 196808031992021001