COURSE PORTFOLIO

Study Program	:	MATHEMATICS - S1
Semester	:	EVEN 2023/2024
Course Code	:	23H01110303
Course Name	:	Basic Mathematics II
Coordinator	:	Prof. Dr. Nurdin, S.Si., M.Si.
Lecturer Team Member	:	

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
Basic Mathematics II A	Total Meeting : times.	Number of students: 39 persons Presence ≥ 80% : Presence < 80% :
Basic Mathematics II B	Total Meeting : times.	Number of students: 38 persons Presence ≥ 80% : Presence < 80% :

Materials/practicum provided

1. Functions of Two or More Variables

2. Limits and Continuity

3. Partial Derivatives and Directional Derivatives; Taylor's Plinom

4. Extreme Values of Functions of Two or More Variables.

5. Double Integrals and Triple Integrals

6. Introduction to Matrix Theory

7. Systems of Linear Equations

8. Differential Equations

The learning methods implemented

Cooperative learning, Project-based Learning, Case Study

The assessment method implemented

1. Quiz

2. Case Studies
3. 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	Quiz	7.00 %	67.73
ILO 1	CLO-1	Independent Assignment	13.00 %	67.73
ILO 1	CLO-1	Case Studies	5.00 %	67.73
ILO 1	CLO-1	Case Studies	20.00 %	67.73
ILO 1	CLO-1	Quiz	8.00 %	67.73
ILO 1	CLO-1	Independent Assignment	8.00 %	67.73
KU1	CLO-2	Independent Assignment	6.00 %	67.73
KU1	CLO-2	Independent Assignment	8.00 %	67.73
KU1	CLO-2	Case Studies	25.00 %	67.73

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	15.58%
CLO-2	15.58%

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.

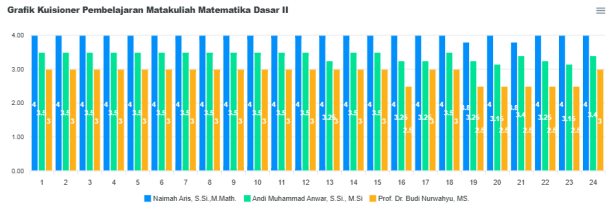
Course Grade

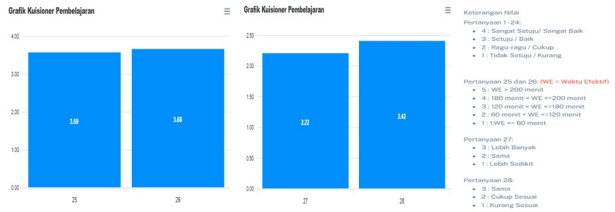
Course Grade	Number and Percentage of Students
A	8 (10.4%)
A-	4 (5.2%)
B+	8 (10.4%)
B	11 (14.3%)

Course Grade	Number and Percentage of Students
B-	19 (24.7%)
C+	12 (15.6%)
C	13 (16.9%)
D	0 (0.0%)
E	2 (2.6%)

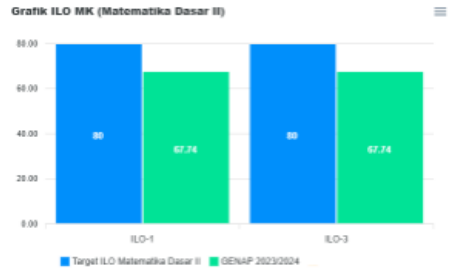
3. Learning evaluation (survey) results

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





Hasil Pengukuran CPL Mata Kuliah Matematika Dasar II



4. Analysis and Reflection

Analysis and Reflection

Analysis

Analysis of the data shows that the performance of Basic Mathematics II is at a low level and consistently fails to achieve the expected targets. Learning achievements in all aspects measured are far below the established standards. In addition, this pattern of low performance is very uniform and evenly distributed across all learning outcomes, with no

areas that stand out or are better than others, which indicates that the challenges faced are comprehensive in this course. holistic, which is unable to differentiate students' mastery of each topic. This is problematic because the evaluation does not provide rich diagnostic information to identify specific areas of weakness. Therefore, the follow-up that is needed is not a partial improvement, but rather a review of the evaluation system itself, with a focus on diversifying assessment instruments so that they can measure each achievement more validly and in detail.

5. Follow-up Plan

In response to the uniform and low performance indicating reliance on a single assessment, follow-up plans for the Basic Mathematics II Course will center on diversifying evaluation methods. This step will include changes to the type of assessment in the RPS. The main aim is to obtain more valid and detailed achievement data, so that improvements can be made more precisely in order to raise student scores closer to the expected targets.

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

Following the findings of the previous semester's evaluation for Basic Mathematics II, which identified significant performance gaps, a highly focused intervention plan has been implemented. This follow-up centers on strengthening the weakest areas through the addition of weekly clinical tutorial sessions and supplemental training modules specific to integral topics. The effectiveness of interventions that are specifically targeted to address weaknesses without disrupting areas that are already strong and need to be implemented in subsequent semesters.

Makassar, 21 Oktober 2025

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