

COURSE PORTFOLIO

Study Program	: MATHEMATICS - S1
Semester	: EVEN 2023/2024
Course Code	: 23H01110403
Course Name	: Linear Algebra I
Coordinator	: Dra. Nur Erawati, M.Si.
Lecturer Team Member	: Dra. Nur Erawati, M.Si., Jusmawati Massalesse, S.Si.,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
Linear Algebra I A	Jusmawati Massalesse, S.Si.,M.Si.	: 8 times	Number of students: 42 persons
	Dra. Nur Erawati, M.Si.	: 8 times	Presence ≥ 80% : 41 persons (97.62 %)
	Total Meeting : 16 times.		Presence < 80% : 1 person (2.38 %)
Linear Algebra I B	Prof. Dr. Amir Kamal Amir, M.Sc.	: 8 times	Number of students: 40 persons
	Dra. Nur Erawati, M.Si.	: 8 times	Presence ≥ 80% : 39 persons (97.50 %)
	Total Meeting : 16 times.		Presence < 80% : 1 person (2.50 %)

Materials/practicum provided

1. Matrices and Systems of Linear Equations
2. Determinants
3. Euclidean Spaces and Linear Transformations.
4. Vector Spaces, Bases and Dimensions (Vector Spaces, Basis, and Dimension).
5. Eigen values and Eigen vectors.
6. Inner Product Spaces.

The learning methods implemented

None

The assessment method implemented

1. Quiz
2. Presentation
3. Final Test
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[®]

LOs that are charged to the Course	CLO	Assessment Form	Weight	Average student score (0-100)
ILO 1	CLO-1	Quiz	15.00 %	82.10
ILO 1	CLO-1	Mid Test	16.70 %	82.70
ILO 1	CLO-1	Quiz	16.70 %	82.53
ILO 1	CLO-1	Mid Test	20.00 %	82.17
ILO 1	CLO-1	Final Test	15.00 %	82.24
ILO 1	CLO-1	Independent Assignment	15.00 %	82.12
ILO 1	CLO-1	Presentation	5.00 %	82.04
P2	CLO-2	Quiz	15.00 %	82.10
P2	CLO-2	Mid Test	16.70 %	82.70

LOs that are charged to the Course	CLO	Assessment Form	Weight	Average student score (0-100)
P2	CLO-2	Independent Assignment	16.70 %	82.92
P2	CLO-2	Quiz	16.70 %	82.53
P2	CLO-2	Final Test	15.00 %	82.24
P2	CLO-2	Presentation	5.00 %	82.04
P2	CLO-2	Independent Assignment	15.00 %	82.07
KU1	CLO-3	Mid Test	16.70 %	82.70
KU1	CLO-3	Presentation	5.00 %	82.04
KU1	CLO-3	Mid Test	20.00 %	82.17
KU1	CLO-3	Final Test	15.00 %	82.24
KU1	CLO-3	Independent Assignment	15.00 %	82.08
KU1	CLO-3	Quiz	15.00 %	82.10
KU1	CLO-3	Quiz	16.70 %	82.53
KU1	CLO-3	Independent Assignment	16.70 %	82.92
KK3	CLO-3	Quiz	16.70 %	82.53
KK3	CLO-3	Mid Test	16.70 %	82.70
KK3	CLO-3	Quiz	15.00 %	82.10
KK3	CLO-3	Independent Assignment	16.70 %	82.92
KK3	CLO-3	Independent Assignment	15.00 %	82.08
KK3	CLO-3	Mid Test	20.00 %	82.17
KK3	CLO-3	Final Test	15.00 %	82.24
KK3	CLO-3	Presentation	5.00 %	82.04

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	100.00%
CLO-2	100.00%
CLO-3	100.00%

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 .

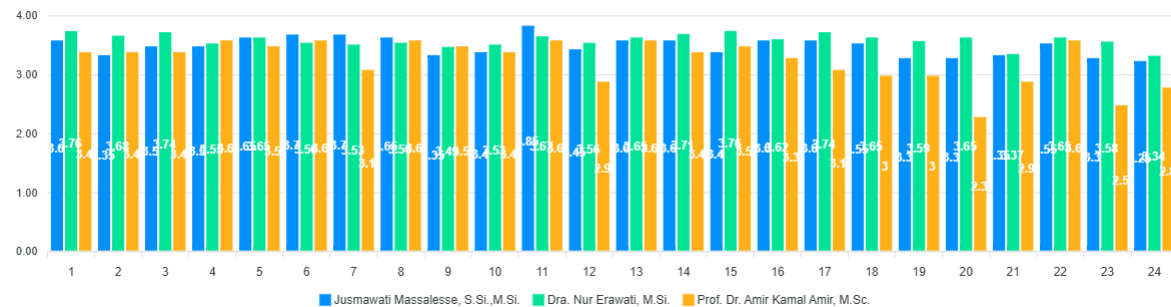
Course Grade

Course Grade	Number and Percentage of Students
A	0 (0.0%)
A-	82 (100.0%)
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	0 (0.0%)

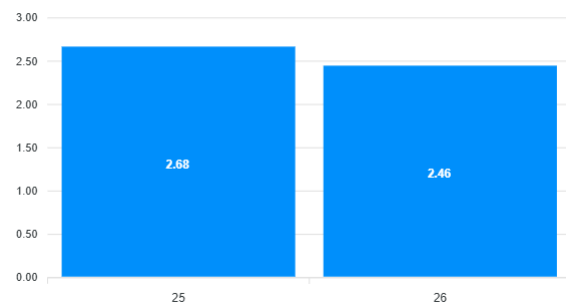
3. Learning evaluation (survey) results

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

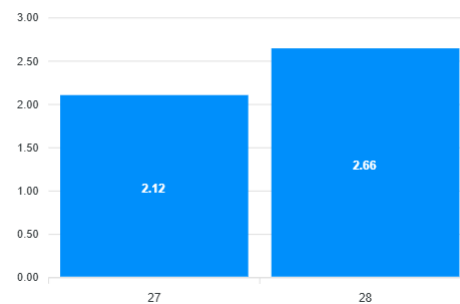
Grafik Kuisiener Pembelajaran Matakuliah Aljabar Linier I



Grafik Kuisiener Pembelajaran



Grafik Kuisiener Pembelajaran



Keterangan Nilai

Pertanyaan 1-24:

- 4 : Sangat Setuju/ Sangat Baik
- 3 : Setuju / Baik
- 2 : Ragu-ragu / Cukup
- 1 : Tidak Setuju / Kurang

Pertanyaan 25 dan 26: (WE = Waktu Efektif)

- 5 : WE > 200 menit
- 4 : 180 menit < WE <= 200 menit
- 3 : 120 menit < WE <= 180 menit
- 2 : 60 menit < WE <= 120 menit
- 1 : 1WE <= 60 menit

Pertanyaan 27:

- 3 : Lebih Banyak
- 2 : Sama
- 1 : Lebih Sedikit

Pertanyaan 28:

- 3 : Sama
- 2 : Cukup Sesuai
- 1 : Kurang Sesuai

Informasi Pertanyaan Kuisiener

1. Dosen Menyampaikan Rancangan Pembelajaran Semester (RPS) dan Kontrak Perkuliahan di awal Perkuliahan dengan Jelas

4. Dosen menjelaskan materi dengan baik dan jelas

7. Dosen Memberikan Penilaian dengan jelas dan sesuai dengan kontrak perkuliahan yang telah disepakati

10. Matakuliah yang diberikan menstimulasi kemampuan intelektual saya

13. Jadwal matakuliah telah diinformasikan di SIM secara jelas sebelum perkuliahan dimulai

16. Dosen menyelesaikan perkuliahan tepat waktu sesuai dengan jadwal kuliah yang telah ditetapkan

19. Selama Kuliah daring, fasilitas perkuliahan cukup memadai

22. Beban sks matakuliah ini sudah sesuai dengan kompetensi yang akan dicapai (Catatan : 1 sks setara dengan 170 menit kegiatan belajar setiap pekan per semester)

25. Rata-rata Waktu Efektif (dalam menit) yang anda habiskan dalam seminggu (di luar jam perkuliahan) untuk menyelesaikan tugas terstruktur pada matakuliah ini

28. Alokasi waktu yang digunakan untuk menyelesaikan tugas yang diberikan matakuliah ini

2. Dosen Menjalankan Proses Pembelajaran yang berpusat pada mahasiswa (Student Centered Learning)

5. Dosen memberikan materi setiap minggu sesuai dengan Rancangan Pembelajaran Semester (RPS) matakuliah

8. Dosen memberikan umpan balik dengan memberikan komentar secara lengkap

11. Tingkat kehadiran saya dalam matakuliah ini sangat tinggi (lebih dari 80% pertemuan)

14. Dosen memberikan kuliah sesuai dengan jadwal kuliah yang telah ditetapkan

17. Tersedia buku acuan/modul/ringkasan materi/slide matakuliah untuk semua materi yang diberikan

20. Saya menggunakan SIKOLA sebagai wadah pembelajaran

23. Saya menggunakan SIKOLA sebagai wadah pembelajaran

26. Rata-rata Waktu Efektif (dalam menit) yang anda habiskan dalam seminggu (di luar jam perkuliahan) untuk belajar mandiri pada matakuliah ini

3. Dosen Menyiapkan materi Pembelajaran dan sumber daya pendukung pembelajaran (diktat, slide, kasus, tugas, bahan ujian, dsb)

6. Dosen mempunyai kepedulian dan membantu mahasiswa dalam pemahaman penguasaan suatu materi

9. Saya memahami materi kuliah setelah menyelesaikan perkuliahan ini

12. Dosen menggunakan lebih dari satu metode penilaian (Assessment Methods)

15. Dosen hadir tepat waktu sesuai dengan jadwal kuliah yang telah ditetapkan

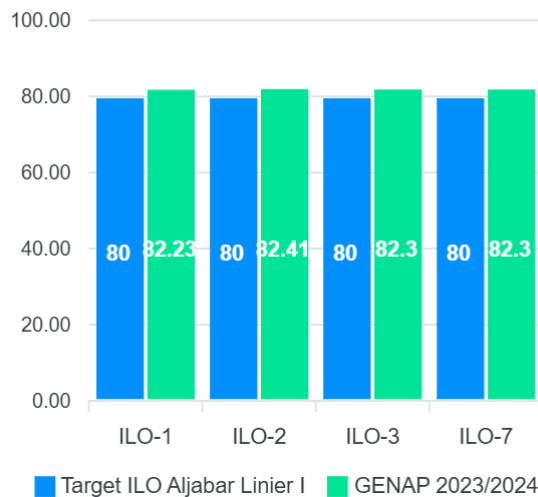
18. Buku acuan/modul/ringkasan materi/slide matakuliah yang diberikan benar dan up to date dengan perkembangan yang ada

21. Layanan Perpustakaan Prodi/Departemen/Fakultas/Universitas sangat membantu dalam proses pembelajaran

24. Layanan Perpustakaan Prodi/Departemen/Universitas sangat membantu dalam proses pembelajaran

27. Dibandingkan dengan matakuliah yang lainnya, jumlah waktu yang anda habiskan khusus untuk matakuliah ini

Grafik ILO MK (Aljabar Linier I)



Hasil Pengukuran CPL MK Aljabar Linier I

4. Analysis and Reflection

Analysis and Reflection

Analysis

Analysis of the data shows that the performance in the Linear Algebra I course is at a very good and satisfactory level. Learning outcomes in all measured aspects have consistently succeeded in meeting and even slightly exceeding the set targets. Apart from that, the performance shown was 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 during that period.

Reflection

This superior and consistent performance reflects that the design and implementation of the course has run very effectively. 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 good practices that are already underway 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 Linear Algebra I Course, where all learning targets were successfully exceeded, the follow-up plan is not remedial in nature, but focuses on standardization of good practices 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, as well as ongoing monitoring to ensure these standards of excellence are maintained. The main goal is to maintain consistent high performance and make this course a model for others.

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

Follow-up implementation that focuses on standardizing good practices has succeeded in maintaining performance at a very satisfactory level, so that quality maintenance needs to be carried out continuously.

Makassar, 21 Oktober 2025

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