

COURSE PORTFOLIO

Study Program	: MATHEMATICS - S1
Semester	: EVEN 2023/2024
Course Code	: 23H01121903
Course Name	: Economic and Financial Mathematics
Coordinator	: Prof. Dr. Jeffry Kusuma
Lecturer Team Member	: Mauliddin, S.Si., M.Si, Prof. Dr. Jeffry Kusuma

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
	Prof. Dr. Jeffry Kusuma : 8 times	Number of students: 45 persons
Economic and Financial Mathematics	Mauliddin, S.Si., M.Si : 8 times	Presence \geq 80% : 43 persons (95.56 %) Presence < 80% : 2 persons (4.44 %)
	Total Meeting : 16 times.	

Materials/practicum provided

1. Probability Theory (Probability Theory)
2. Normal random variables (Normal random variables)
3. Brownian Motion and Geometric Brownian Motion (Brownian Motion and Geometry Brownian Motion)
4. Interest Rate and Present Value Analysis (interest rate and present value analysis)
5. Arbitration theory
6. Black-Scholes Formula

The learning methods implemented

Lecture: Collaborative learning (Collaborative Learning), Method other

The assessment method implemented

1. Case Studies
2. Group task
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^a

LOs that are charged to the Course	CLO	Assessment Form	Weight	Average student score (0-100)
ILO 1	CLO-1	Independent Assignment	10.00 %	82.17
ILO 1	CLO-1	Case Studies	15.00 %	83.31
ILO 1	CLO-1	Group task	15.00 %	83.80
ILO 1	CLO-1	Final Test	10.00 %	83.35
ILO 1	CLO-1	Mid Test	10.00 %	81.80
ILO 1	CLO-1	Independent Assignment	5.00 %	83.20
P2	CLO-2	Case Studies	10.00 %	82.66
P2	CLO-2	Case Studies	15.00 %	82.90
P2	CLO-2	Final Test	10.00 %	83.35
P2	CLO-2	Mid Test	10.00 %	81.80
P2	CLO-3	Case Studies	15.00 %	82.48
P2	CLO-3	Final Test	10.00 %	83.35
P2	CLO-3	Case Studies	10.00 %	82.87
KU2	CLO-2	Mid Test	10.00 %	81.80
KU2	CLO-2	Case Studies	15.00 %	82.90
KU2	CLO-2	Final Test	10.00 %	83.35
KU2	CLO-2	Case Studies	10.00 %	82.66
KK1	CLO-3	Case Studies	15.00 %	82.48
KK1	CLO-3	Case Studies	10.00 %	82.87
KK1	CLO-3	Final Test	10.00 %	83.35
KK3	CLO-3	Case Studies	15.00 %	82.48
KK3	CLO-3	Case Studies	10.00 %	82.87
KK3	CLO-3	Final Test	10.00 %	83.35

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	95.56%
CLO-2	93.33%
CLO-3	88.89%

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 .

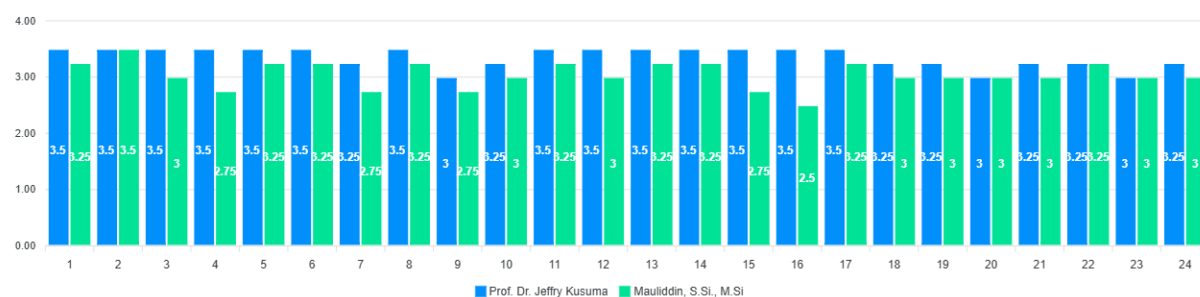
Course Grade

Course Grade	Number and Percentage of Students
A	4 (8.9%)
A-	40 (88.9%)
B+	1 (2.2%)
B	0 (0.0%)
B-	0 (0.0%)
C+	0 (0.0%)
C	0 (0.0%)
D	0 (0.0%)
E	0 (0.0%)

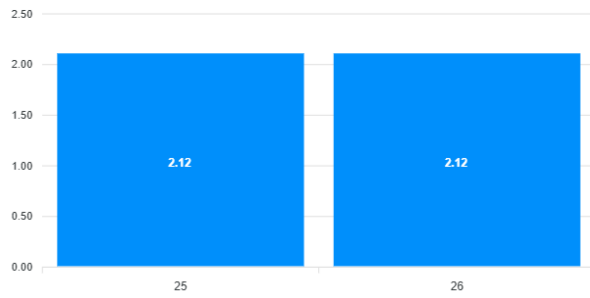
3. Learning evaluation (survey) results

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

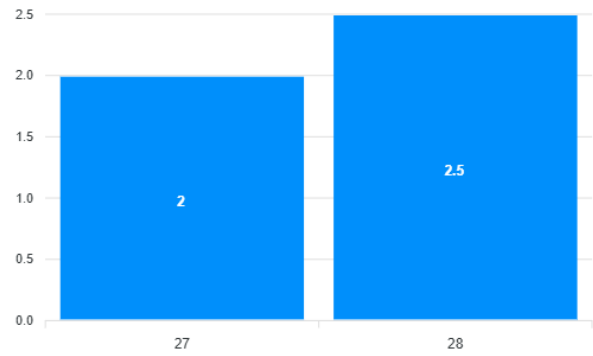
Grafik Kuisioner Pembelajaran Matakuliah Matematika Ekonomi dan Keuangan



Grafik Kuisisioner Pembelajaran



Grafik Kuisisioner 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 : 1:WE <= 60 menit

Pertanyaan 27:

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

Pertanyaan 28:

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

Informasi Pertanyaan Kuisisioner

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 Kualiah 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 Menyediakan materi Pembelajaran dan sumber daya pendukung pembelajaran (diktat, slide, kasus, tugas, bahan ujian, dsb)

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

9. Saya memahami materi kuliah setelah menyelesaikan perkuliahan ini

12. Dosen menggunakan lebih dari satu metode penilaian (Assesment Method)

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

18. Buku acuan/modul/ringkasan materi/slide matakuliah yang diberikan bermanfaat 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

Hasil Pengukuran CPL Mata Kuliah

Grafik CPL MK (Matematika Ekonomi dan Keuangan)



4. Analysis and Reflection

Analysis and Reflection

Analysis

Analysis of the data shows that the performance of the Economics and Finance Mathematics 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 Economics and Finance Mathematics 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, case studies, and evaluation systems that have been proven effective to serve as reference models. The main aim is to maintain consistent high performance in future course implementation and make it a model for other relevant courses.

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

Following up on the findings of the previous semester's evaluation for the Economics and Finance Mathematics Course, which showed very superior performance and consistently exceeding targets, an action plan that focuses on standardizing good practices and optimizing has been implemented. Maintain quality stability and carry out continuous innovation to maintain the standards of excellence that have been achieved.

Makassar, 21 Oktober 2025

Prof. Dr. Jeffry Kusuma
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