COURSE PORTFOLIO

Study Program	:	MATHEMATICS - S1
Semester	:	EVEN 2023/2024
Course Code	:	23H01121303
Course Name	:	Mathematical Statistics
Coordinator	:	Dr. Firman, S.Si.,M.Si.
Lecturer Team Member	:	Dr. Firman, S.Si.,M.Si., Jusmawati Massalesse, S.Si.,M.Si.

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 Statistics B	Jusmawati Massalesse, S.Si.,M.Si. Dr. Firman, S.Si.,M.Si. Total Meeting : 16 times.	: :	8 times 8 times	Number of students: 28 persons Presence ≥ 80% : 27 persons (96.43 %) Presence < 80% : 1 person (3.57 %)
Mathematical Statistics A	Jusmawati Massalesse, S.Si.,M.Si. Dr. Firman, S.Si.,M.Si. Total Meeting : 16 times.	: :	8 times 8 times	Number of students: 40 persons Presence ≥ 80% : 39 persons (97.50 %) Presence < 80% : 1 person (2.50 %)

Materials/practicum provided

1. Introduction to Statistical Inference
2. Sufficient Statistics
3. Point Estimation and Confidence Interval (Point Estimation and Confidence Interval)
4. Hypothesis Testing Theory Theory)

The learning methods implemented

Meeting 1-2

Lecture: Cooperative learning (Cooperative learning),Other methods

TM:2X3X50

3-4 Meetings

Lecture: Self-Directed Learning, Case Studies (Case Study)

TM:2X3X50

Meetings 5-6

Lecture: Case Study (Case Study),Learning collaborative (Collaborative Learning)

TM:2X3X50

7-8 Meetings

Lecture: Collaborative learning (Collaborative Learning)

TM:1X3X50

Meeting 9

Lecture: Other methods

TM:1X3X50

10-11 Meeting

Lecture: Case Study (Case Study),Learning collaborative (Collaborative Learning)

TM:2X3X50

12th Meeting

Lecture: Case Study (Case Study),Other methods

TM:1X3X50

Meeting 13

Lecture: Case Study (Case Study), Other methods

TM: 1X3 Collaborative learning (Collaborative Learning), Other methods

TM:2

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	Case Studies	10.00 %	82.19
ILO 1	CLO-1	Mid Test	15.00 %	83.78
ILO 1	CLO-1	Short Q&A	5.00 %	68.07
ILO 1	CLO-1	Final Test	15.00 %	84.25
ILO 1	CLO-1	Case Studies	5.00 %	70.03
ILO 1	CLO-1	Independent Assignment	5.00 %	65.62
ILO 1	CLO-1	Case Studies	15.00 %	86.79
KU1	CLO-2	Case Studies	15.00 %	86.79
KU1	CLO-2	Case Studies	5.00 %	72.97
KU1	CLO-2	Independent Assignment	5.00 %	63.18
KU1	CLO-2	Final Test	15.00 %	84.25
KU1	CLO-2	Short Q&A	5.00 %	68.07
KU1	CLO-2	Case Studies	10.00 %	79.36
KU1	CLO-2	Mid Test	15.00 %	83.98
KU1	CLO-3	Final Test	15.00 %	84.25
KU1	CLO-3	Case Studies	10.00 %	80.93
KU1	CLO-3	Case Studies	5.00 %	70.24
KU2	CLO-1	Independent Assignment	5.00 %	65.62
KU2	CLO-1	Mid Test	15.00 %	83.78
KU2	CLO-1	Short Q&A	5.00 %	68.07
KU2	CLO-1	Case Studies	15.00 %	86.79
KU2	CLO-1	Final Test	15.00 %	84.25
KU2	CLO-1	Case Studies	10.00 %	82.19
KU2	CLO-1	Case Studies	5.00 %	70.03
KU2	CLO-3	Final Test	15.00 %	84.25
KU2	CLO-3	Case Studies	5.00 %	70.24
KU2	CLO-3	Case Studies	10.00 %	80.93
KK3	CLO-2	Short Q&A	5.00 %	68.07
KK3	CLO-2	Case Studies	10.00 %	79.36
KK3	CLO-2	Mid Test	15.00 %	83.98
KK3	CLO-2	Independent Assignment	5.00 %	63.18
KK3	CLO-2	Final Test	15.00 %	84.25
KK3	CLO-2	Case Studies	5.00 %	72.97
KK3	CLO-2	Case Studies	15.00 %	86.79

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	66.18%
CLO-2	73.53%
CLO-3	61.76%

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.

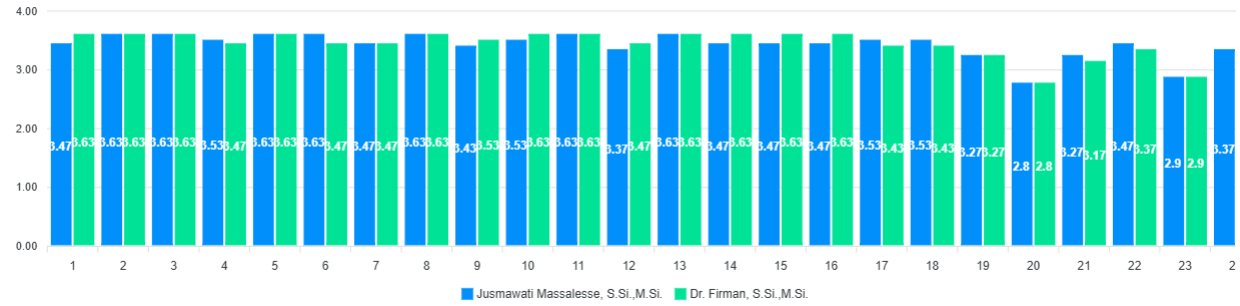
Course Grade

Course Grade	Number and Percentage of Students
A	17 (25.0%)
A-	31 (45.6%)
B+	16 (23.5%)
B	0 (0.0%)
B-	0 (0.0%)
C+	0 (0.0%)
C	2 (2.9%)
D	0 (0.0%)
E	2 (2.9%)

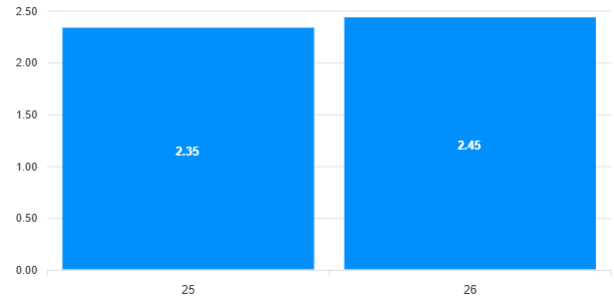
3. Learning evaluation (survey) results

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

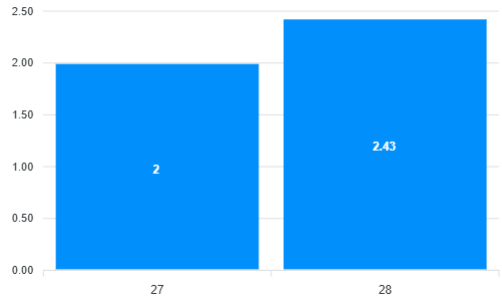
Grafik Kuisioner Pembelajaran Matakuliah Statistik Matematika



Grafik Kuisioner Pembelajaran



Grafik Kuisioner 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

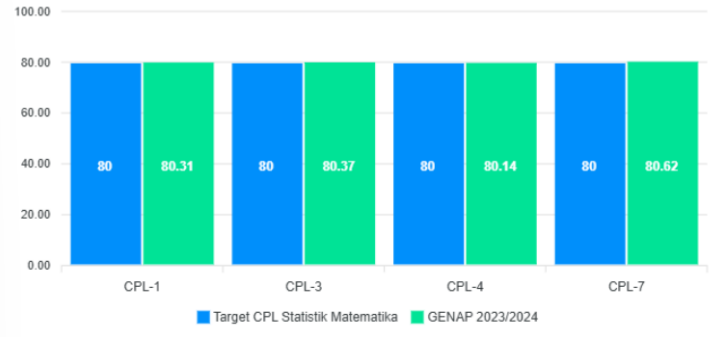
Pertanyaan 28:

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

Informasi Pertanyaan Kuisioner

1. Dosen Menyampaikan Rancangan Pembelajaran Semester (RPS) dan Kontrak Perkuliahan di awal Perkuliahan dengan Jelas
2. Dosen Menjalankan Proses Pembelajaran yang berpusat pada mahasiswa (Student Centered Learning)
3. Dosen Menyiapkan materi Pemebelajaran dan sumber daya pensukung pwmbelajaran (diktat, slide, kasus, tugas, bahan ujian, dsb)
4. Dosen menjelaskan materi dengan baik dan jelas
5. Dosen memberikan materi setiap minggu sesuai dengan Rancangan Pembelajaran Semester (RPS) matakuliah
6. Dosen mempunyai kepedulian dan membantu mahasiswa dalam pemaham penguasaan suatu materi
7. Dosen Memberikan Penilaian dengan jelas dan sesuai dengn kontrak perkuliahan yang telah disepakati
8. Dosen memberikan umpan balik dengan memberikan komentar secara lengkap
9. Saya memahami materi kuliah setelah menyelesaikan perkuliahan ini
10. Matakuliah yang diberikan menstimulasi kemampuan intelektual saya
11. Tingkat kehadiran saya dalam matakuliah ini sangat tinggi (lebih dari 80% pertemuan)
12. Dosen menggunakan lebih dari satu metode penilaian (Assessment Metho
13. Jadwal matakuliah telah diinformasikan di SIM secara jelas sebelum perkuliahan dimulai
14. Dosen memberikan kuliah sesuai dengan jadwal kuliah yang telah ditetapkan
15. Dosen hadir tepat waktu sesuai dengan jadwal kuliah yang telah ditetapk
16. Dosen menyelesaikan perkuliahan tepat waktu sesuai dengan jadwal kuliah yang telah ditetapkan
17. Tersedia buku acuan/modul/ringkasan materi/slide matakuliah untuk semua materi yang diberikan
18. Buku acuan/modul/ringkasan materi/slide matakuliah yang diberikan berr dan uptodate dangan perkembangan yang ada
19. Selama Kualiah daring, fasilitas perkuliahan cukup memadai
20. Saya menggunakan SIKOLA sebagai wadah pembelajaran
21. Layanan Perpustakaan Prodi/Departemen/Fakultas/Universitas sangat me dalam proses pembelajaran
22. Beban sks matakuliah ini sudah sesuai dengan kompetensi yang akan dicapai (Catatan : 1 sks setara dngan 170 menit kegiatan belajar setiap pekan per semester)
23. Saya menggunakan SIKOLA sebagai wadah pembelajaran
24. Layanan Perpustakaan Prodi/Departemen,Universitas sangat membantu proses pembelajaran
25. Rata-rata Waktu Efektif (dalam menit) yang anda habiskan dalam seminggu (di luar jam perkuliahan)untuk menyelesaikan tugas terstrukturpada matakuliah ini
26. Rata-rata Waktu Efektif (dalam menit) yang anda habiskan dalam seminggu (di luar jam perkuliahan) unuk belajar mandiri pada matakuliah ini
27. Dibandingkan dengan matakuliah yang lainnya, jumlah waktu yang anda h khusus untuk matakuliah ini
28. Alokasi waktu yang digunakan untuk menyelesaikan tugas yang diberikan matakuliah ini

Grafik CPL MK (Statistik Matematika)



Hasil Pengukuran CPL MK Statistika Matematika

4. Analysis and Reflection

Analysis and reflection

Analysis

Analysis of the data shows that the performance in the Mathematical Statistics 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. 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.

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 Mathematical Statistics 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

Following up on the findings of the previous semester's evaluation for the Mathematical Statistics Course, which showed very superior performance and consistently exceeding targets, an action plan that focuses on standardizing good practices and optimizing has been implemented. This course is a pilot model, where the future focus is to maintain quality stability and carry out continuous innovation to maintain the standards of excellence that have been achieved.

Makassar, 21 Oktober 2025

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