COURSE PORTFOLIO

Study Program	:	MATHEMATICS - S1
Semester	:	ODD 2023/2024
Course Code	:	23H01131103
Course Name	:	Insurance Mathematics
Coordinator	:	Prof. Dr. Aidawayati Rangkuti, MS.
Lecturer Team Member	:	Prof. Dr. Aidawayati Rangkuti, MS.

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
Insurance Mathematics	Prof. Dr. Aidawayati Rangkuti, MS. Total Meeting : 16 times.	:	16 times	Number of students: 5 persons Presence ≥ 80% : 4 persons (80.00 %) Presence < 80% : 1 person (20.00 %)

Materials/practicum provided

1. Interest concept (interest concept)
2. Survival distribution and mortality table (Survival distribution and mortality tableI)
3. Life Insurance (Life Insurance)
4. Life annuities
5. Premium Benefits

The learning methods implemented

Discovery Learning, Small Group Discussion, Case Study, Cooperative learning

The assessment method implemented

1. Case Studies
2. 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)
KU1	CLO-1	Independent Assignment	10.00 %	80.00
KU1	CLO-1	Independent Assignment	20.00 %	55.00
KU1	CLO-1	Independent Assignment	10.00 %	80.00
KU1	CLO-1	Case Studies	10.00 %	74.00
KU1	CLO-1	Independent Assignment	20.00 %	55.00
KU1	CLO-1	Case Studies	10.00 %	74.00
KU1	CLO-3	Case Studies	20.00 %	74.44
KU1	CLO-3	Independent Assignment	20.00 %	55.00
KU1	CLO-3	Independent Assignment	20.00 %	55.00
KU1	CLO-3	Case Studies	20.00 %	74.44
KK3	CLO-1	Independent Assignment	20.00 %	55.00
KK3	CLO-1	Independent Assignment	20.00 %	55.00
KK3	CLO-1	Case Studies	10.00 %	74.00
KK3	CLO-1	Case Studies	10.00 %	74.00
KK3	CLO-1	Independent Assignment	10.00 %	80.00
KK3	CLO-1	Independent Assignment	10.00 %	80.00
KK3	CLO-2	Independent Assignment	20.00 %	55.00
KK3	CLO-2	Independent Assignment	20.00 %	55.00
KK3	CLO-2	Case Studies	20.00 %	74.44
KK3	CLO-2	Case Studies	20.00 %	74.44
KK3	CLO-2	Case Studies	10.00 %	74.00
KK3	CLO-2	Case Studies	10.00 %	74.00
KK3	CLO-2	Independent Assignment	10.00 %	80.00
KK3	CLO-2	Independent Assignment	10.00 %	80.00

LOs that are charged to the Course	CLO	Assessment Form	Weight	Average student score (0-100)
KK3	CLO-3	Case Studies	20.00 %	74.44
KK3	CLO-3	Case Studies	20.00 %	74.44
KK3	CLO-3	Independent Assignment	20.00 %	55.00
KK3	CLO-3	Independent Assignment	20.00 %	55.00

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	60.00%
CLO-2	60.00%
CLO-3	60.00%
CLO-1	60.00%
CLO-2	60.00%
CLO-3	60.00%
CLO-1	0.00%
CLO-2	0.00%
CLO-3	0.00%

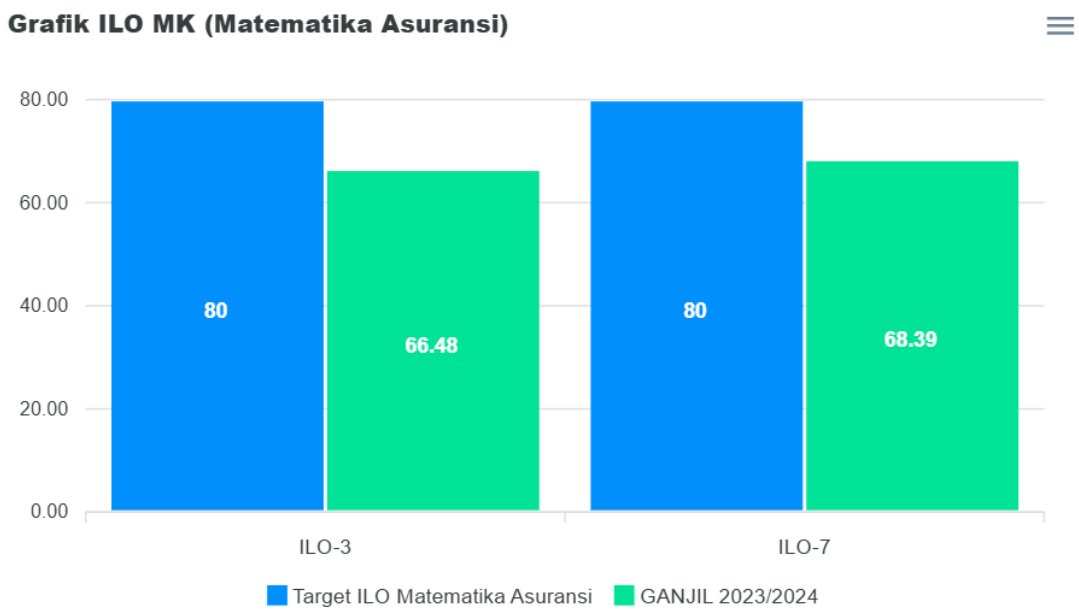
b: result criteria: very satisfactory if ≥80% of students score ≥80; satisfactory if 70%-79.9% of students score ≥80; less satisfactory if < 70% of students score ≥80.

Course Grade

Course Grade	Number and Percentage of Students
A	4 (80.0%)
A-	0 (0.0%)
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 (20.0%)

3. Learning evaluation (survey) results

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



Hasil Perhitungan CPL Mata Kuliah Matematika Asuransi

4. Analysis and Reflection

Analysis and Reflection

Analysis

Analysis of the data shows that the performance of the Insurance Mathematics Course 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.

Reflection

This very uniform low performance reflects the possibility of a fundamental problem in the design or pedagogical approach of the course, rather than simply difficulty with particular topics. There is a potential for misalignment between the complexity of theoretical material, the teaching methods used, and students' initial ability to apply mathematical concepts to an insurance context. Therefore, the follow-up that is needed is not a partial improvement, but rather a comprehensive structural review of the entire syllabus, teaching methods and evaluation system to fundamentally improve achievements.

5. Follow-up Plan

In response to learning outcomes that are consistently far below targets in the Insurance Mathematics Course, the follow-up plan includes a revision of the RPS, as well as the introduction of intensive tutorial or practicum sessions to strengthen students' ability to apply complex mathematical concepts to real insurance case studies. The aim is to systematically raise the foundation of students' understanding and skills so that achievements can be improved significantly in the next evaluation period.

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

Following up on the findings of the previous semester's evaluation for the Insurance Mathematics Course, which identified low performance, an intervention has been implemented. However, it is still necessary to

take a very crucial applicable approach, so it is recommended that this new supportive framework be established as a permanent standard to maintain consistent quality in the future.

Makassar, 24 Oktober 2025

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