

**MODULE PORTFOLIO
EVEN SEMESTER ACADEMIC YEAR 2019/2020**

MODULE NAME	:	Mathematics Education Seminar	LECTURER:
MODULE CODE	:	8420202200	
CLASS	:	2017	
SEMESTER	:	6	
DATE	:	20 Juli 2020	Dini Kinati Fardah, M.Pd.
COURSE LEARNING OUTCOMES	:	<p>Programme Learning Outcomes (PLO)</p> <p>KNO-2 Able to demonstrate pedagogical knowledge in designing, implementing and evaluating Mathematics' learning.</p> <p>KNO-3 Able to demonstrate knowledge related to mathematics education research</p> <p>COM-1 Able to communicate idea and research result effectively orally and literally.</p> <p>COM-2 Able to make decision based on data/information in solving task that become students' responsibility and evaluate the work that has been done.</p> <p>SOC-1 Able to demonstrate scientific attitude, critical and innovative in mathematics teaching and learning and professional task.</p> <p>SOC-2 Able to demonstrate religion values and cultures as well as academics etiquette in doing professional task.</p> <p>CLO-1 able to formulate problems related to mathematics learning for later research</p> <p>CLO-2 able to explain the concepts and techniques for drafting scientific papers</p> <p>CLO-3 able to draft paper, research proposals, or scientific articles</p> <p>CLO-4 able to communicate ideas and research results orally and in writing</p> <p>CLO-5 able to analyze data and discuss data / information obtained from a mathematics education research</p> <p>CLO-6 able to recommend alternative solutions to problems in mathematics teaching and learning</p> <p>CLO-7 able to demonstrate publication ethics in writing articles, papers, mathematics education research proposals</p>	

Correlation Between PLO and CLO Mathematics Education Seminar

Mathematics Education Seminar	KNO-2	KNO-3	COM-1	COM-2	SOC-1	SOC-2
CLO-1	√					
CLO-2		√				
CLO-3		√				
CLO-4			√			
CLO-5				√		
CLO-6					√	
CLO-7						√

LEARNING STRATEGIES

: Courses are conducted by activating students with the following strategies: Lectures, focus group discussions, assignments

ASSESSMENT

The assessment carried out during the lecture includes the following three components.

1. Assignment
2. Mid-term exams (Drafting paper)
3. Final exams (Scientific articles and presentation of research results)

1. Assignment

✓ The assignment was given once after the mid-term exam in the form of revising the draft paper.

2. Mid-Term exam

✓ Mid-Term exam is held outside the classroom with the deadline for submitting a draft paper is at week 8

✓ Mid-Term exam assessment is carried out to see the achievements of the PLO and CLO which are in accordance with the characteristics of the mathematics education seminar subject

3. Final Exams are held after the 15th meeting

✓ The final exam assessment is in the form of a presentation of a research paper / article whose preparation process starts

from the beginning of the lecture.

- ✓ The final exam assessment is carried out to see the achievements of the PLO and CLO which are in accordance with the characteristics of the mathematics education seminar subject

Assessmen Plan

Mathematics Education Seminar	KNO-2	KNO-3	COM-1	COM-2	SOC-1	SOC-2
CLO-1	Mid-Term exam and Final Exam					
CLO-2		Mid-Term exam and Final Exam				
CLO-3		Assignment, Mid-Term exam and Final Exam				
CLO-4			Mid-Term exam and Final Exam			
CLO-5				Assignment, Mid-Term exam and Final Exam		
CLO-6					Mid-Term exam and Final Exam	

1	17030174042	86.07	87.42	86.07	88.00	86.07	86.07
2	17030174065	89.03	85.36	89.03	83.78	89.03	89.03
3	17030174075	87.10	86.41	87.10	86.11	87.10	87.10
4	17030174076	86.14	86.66	86.14	86.89	86.14	86.14
5	17030174077	88.14	87.58	88.14	87.33	88.14	88.14
6	17030174085	90.07	85.98	90.07	84.22	90.07	90.07
7	17030174088	88.07	86.16	88.07	85.33	88.07	88.07
8	17030174005	84.52	85.40	84.52	85.78	84.52	84.52
9	17030174017	85.03	85.17	85.03	85.22	85.03	85.03
10	17030174026	84.55	85.02	84.55	85.22	84.55	84.55
11	17030174029	84.03	84.71	84.03	85.00	84.03	84.03
12	17030174034	84.55	85.02	84.55	85.22	84.55	84.55
13	17030174045	84.52	84.85	84.52	85.00	84.52	84.52
14	17030174094	79.03	79.71	79.03	80.00	79.03	79.03
15	16030174011	85.52	85.85	85.52	86.00	85.52	85.52
16	17030174002	85.52	85.31	85.52	85.22	85.52	85.52
17	17030174030	80.52	80.31	80.52	80.22	80.52	80.52
18	17030174035	80.48	81.23	80.48	81.56	80.48	80.48
19	17030174043	80.48	80.69	80.48	80.78	80.48	80.48
20	17030174046	81.03	81.71	81.03	82.00	81.03	81.03
21	17030174070	82.52	82.85	82.52	83.00	82.52	82.52
22	17030174086	82.52	82.31	82.52	82.22	82.52	82.52
23	17030174006	83.62	84.90	83.62	85.44	83.62	83.62
24	17030174007	77.93	78.76	77.93	79.11	77.93	77.93
25	17030174027	80.07	81.42	80.07	82.00	80.07	80.07
26	17030174059	78.00	79.09	78.00	79.56	78.00	78.00
27	17030174067	80.07	80.33	80.07	80.44	80.07	80.07
28	17030174071	80.97	82.47	80.97	83.11	80.97	80.97

		29	17030174082	77.93	78.76	77.93	79.11	77.93	77.93	
		30	16030174054	80.41	80.90	80.41	81.11	80.41	80.41	
		31	17030174018	84.97	84.83	84.97	84.78	84.97	84.97	
		32	17030174021	79.93	80.21	79.93	80.33	79.93	79.93	
		33	17030174024	80.41	80.90	80.41	81.11	80.41	80.41	
		34	17030174044	84.97	84.83	84.97	84.78	84.97	84.97	
		35	17030174064	84.97	84.83	84.97	84.78	84.97	84.97	
		36	17030174078	85.97	85.83	85.97	85.78	85.97	85.97	
		37	17030174033	76.62	77.90	76.62	78.44	76.62	76.62	
		38	17030174084	74.03	76.34	74.03	77.33	74.03	74.03	
		39	17030174092	70.97	75.73	70.97	77.78	70.97	70.97	
		40	17030174001	86.03	86.71	86.03	87.00	86.03	86.03	
		41	17030174028	85.00	85.00	85.00	85.00	85.00	85.00	
		42	17030174057	87.03	87.17	87.03	87.22	87.03	87.03	
		43	17030174068	86.48	86.15	86.48	86.00	86.48	86.48	
		44	17030174072	87.03	86.08	87.03	85.67	87.03	87.03	
		45	17030174073	85.48	85.15	85.48	85.00	85.48	85.48	
		46	17030174093	87.45	87.52	87.45	87.56	87.45	87.45	
		47	17030174016	80.00	80.00	80.00	80.00	80.00	80.00	
		48	17030174038	82.07	81.24	82.07	80.89	82.07	82.07	
		49	17030174041	78.97	79.92	78.97	80.33	78.97	78.97	
		50	17030174048	80.00	80.00	80.00	80.00	80.00	80.00	
		51	17030174062	80.00	80.00	80.00	80.00	80.00	80.00	
		52	17030174066	80.00	80.00	80.00	80.00	80.00	80.00	
		53	17030174095	80.00	80.00	80.00	80.00	80.00	80.00	
		54	17030174003	92.24	89.35	92.24	88.11	92.24	92.24	
		55	17030174036	86.55	83.21	86.55	81.78	86.55	86.55	
		56	17030174040	85.00	83.91	85.00	83.44	85.00	85.00	
		57	17030174049	88.00	86.37	88.00	85.67	88.00	88.00	

		58	17030174051	85.00	85.00	85.00	85.00	85.00	85.00	
		59	17030174054	90.00	90.00	90.00	90.00	90.00	90.00	
		60	17030174061	87.59	89.27	87.59	90.00	87.59	87.59	
		61	17030174010	80.97	80.29	80.97	80.00	80.97	80.97	
		62	17030174020	82.41	80.73	82.41	80.00	82.41	82.41	
		63	17030174022	83.45	84.61	83.45	85.11	83.45	83.45	
		64	17030174031	90.00	92.72	90.00	93.89	90.00	90.00	
		65	17030174032	87.59	89.27	87.59	90.00	87.59	87.59	
		66	17030174052	85.10	82.78	85.10	81.78	85.10	85.10	
		67	17030174053	88.97	89.38	88.97	89.56	88.97	88.97	
		68	17030174025	85.52	85.31	85.52	85.22	85.52	85.52	
		69	17030174037	70.00	70.00	70.00	70.00	70.00	70.00	
		70	17030174050	85.00	82.28	85.00	81.11	85.00	85.00	
		71	17030174056	87.59	88.19	87.59	88.44	87.59	87.59	
		72	17030174069	85.00	85.00	85.00	85.00	85.00	85.00	
		73	17030174079	85.52	85.31	85.52	85.22	85.52	85.52	
		74	17030174090	85.00	85.00	85.00	85.00	85.00	85.00	
		75	17030174004	78.90	77.96	78.90	77.56	78.90	78.90	
		76	17030174012	78.97	73.94	78.97	71.78	78.97	78.97	
		77	17030174014	81.48	82.78	81.48	83.33	81.48	81.48	
		78	17030174015	76.90	75.96	76.90	75.56	76.90	76.90	
		79	17030174081	80.90	78.87	80.90	78.00	80.90	80.90	
		80	17030174083	78.00	78.00	78.00	78.00	78.00	78.00	
		81	17030174087	73.93	71.49	73.93	70.44	73.93	73.93	
		82	17030174039	82.52	82.31	82.52	82.22	82.52	82.52	
		83	17030174063	80.00	80.00	80.00	80.00	80.00	80.00	
		84	17030174080	80.00	80.00	80.00	80.00	80.00	80.00	
		85	17030174009	81.62	82.35	81.62	82.67	81.62	81.62	
		86	17030174013	87.17	86.74	87.17	86.56	87.17	87.17	

87	17030174023	81.03	80.62	81.03	80.44	81.03	81.03
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The predicate of PLO for each student

N O	Student Number	Mathematics Education Seminar					
		KNO- 2	KNO- 3	COM- 1	COM- 2	SOC- 1	SOC- 2
1	17030174042	E	E	E	E	E	E
2	17030174065	E	E	E	E	E	E
3	17030174075	E	E	E	E	E	E
4	17030174076	E	E	E	E	E	E
5	17030174077	E	E	E	E	E	E
6	17030174085	E	E	E	E	E	E
7	17030174088	E	E	E	E	E	E
8	17030174005	E	E	E	E	E	E
9	17030174017	E	E	E	E	E	E
10	17030174026	E	E	E	E	E	E
11	17030174029	E	E	E	E	E	E
12	17030174034	E	E	E	E	E	E
13	17030174045	E	E	E	E	E	E
14	17030174094	G	G	G	E	G	G
15	16030174011	E	E	E	E	E	E
16	17030174002	E	E	E	E	E	E
17	17030174030	E	E	E	E	E	E
18	17030174035	E	E	E	E	E	E
19	17030174043	E	E	E	E	E	E
20	17030174046	E	E	E	E	E	E

21	17030174070	E	E	E	E	E	E
22	17030174086	E	E	E	E	E	E
23	17030174006	E	E	E	E	E	E
24	17030174007	G	G	G	G	G	G
25	17030174027	E	E	E	E	E	E
26	17030174059	G	G	G	G	G	G
27	17030174067	E	E	E	E	E	E
28	17030174071	E	E	E	E	E	E
29	17030174082	G	G	G	G	G	G
30	16030174054	E	E	E	E	E	E
31	17030174018	E	E	E	E	E	E
32	17030174021	G	E	G	E	G	G
33	17030174024	E	E	E	E	E	E
34	17030174044	E	E	E	E	E	E
35	17030174064	E	E	E	E	E	E
36	17030174078	E	E	E	E	E	E
37	17030174033	G	G	G	G	G	G
38	17030174084	G	G	G	G	G	G
39	17030174092	G	G	G	G	G	G
40	17030174001	E	E	E	E	E	E
41	17030174028	E	E	E	E	E	E
42	17030174057	E	E	E	E	E	E
43	17030174068	E	E	E	E	E	E
44	17030174072	E	E	E	E	E	E
45	17030174073	E	E	E	E	E	E
46	17030174093	E	E	E	E	E	E
47	17030174016	E	E	E	E	E	E
48	17030174038	E	E	E	E	E	E
49	17030174041	G	G	G	E	G	G

50	17030174048	E	E	E	E	E	E
51	17030174062	E	E	E	E	E	E
52	17030174066	E	E	E	E	E	E
53	17030174095	E	E	E	E	E	E
54	17030174003	E	E	E	E	E	E
55	17030174036	E	E	E	E	E	E
56	17030174040	E	E	E	E	E	E
57	17030174049	E	E	E	E	E	E
58	17030174051	E	E	E	E	E	E
59	17030174054	E	E	E	E	E	E
60	17030174061	E	E	E	E	E	E
61	17030174010	E	E	E	E	E	E
62	17030174020	E	E	E	E	E	E
63	17030174022	E	E	E	E	E	E
64	17030174031	E	E	E	E	E	E
65	17030174032	E	E	E	E	E	E
66	17030174052	E	E	E	E	E	E
67	17030174053	E	E	E	E	E	E
68	17030174025	E	E	E	E	E	E
69	17030174037	G	G	G	G	G	G
70	17030174050	E	E	E	E	E	E
71	17030174056	E	E	E	E	E	E
72	17030174069	E	E	E	E	E	E
73	17030174079	E	E	E	E	E	E
74	17030174090	E	E	E	E	E	E
75	17030174004	G	G	G	G	G	G
76	17030174012	G	G	G	G	G	G
77	17030174014	E	E	E	E	E	E
78	17030174015	G	G	G	G	G	G

79	17030174081	E	G	E	G	E	E
80	17030174083	G	G	G	G	G	G
81	17030174087	G	G	G	G	G	G
82	17030174039	E	E	E	E	E	E
83	17030174063	E	E	E	E	E	E
84	17030174080	E	E	E	E	E	E
85	17030174009	E	E	E	E	E	E
86	17030174013	E	E	E	E	E	E
87	17030174023	E	E	E	E	E	E

E = Excellent
G = Good
S = Satisfy
F = Fail

LEARNING
OUTCOMES
ANALYSIS

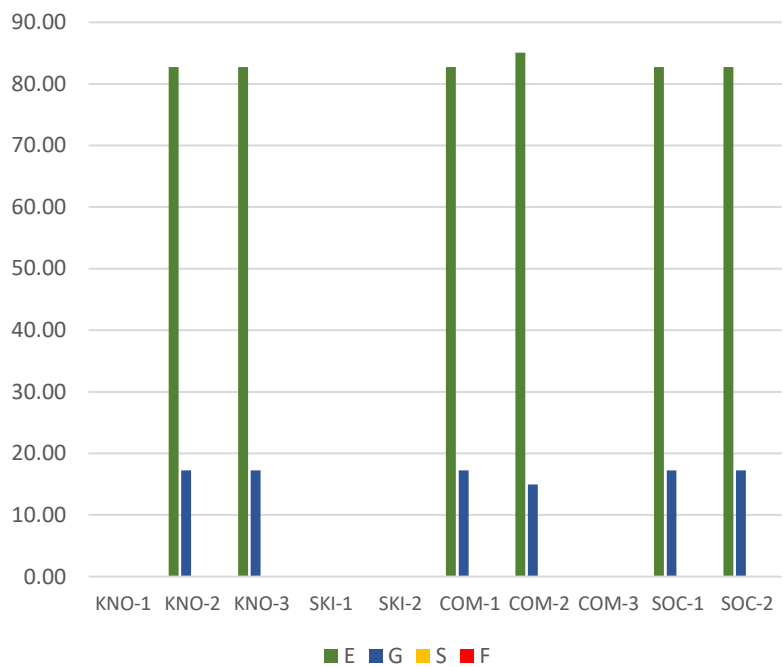
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PLO Assessment Rubric

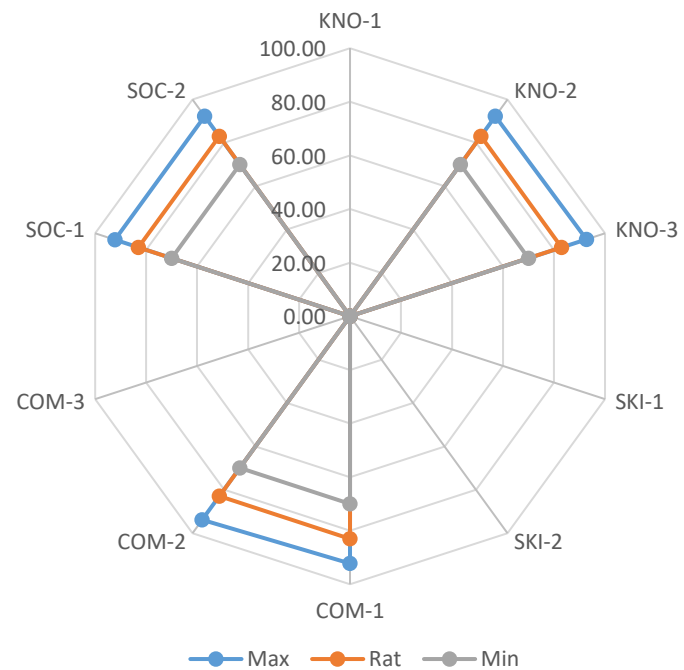
PLO	Description	Excellent	Good	Satisfy	Fail
KNO-2	Able to demonstrate pedagogical knowledge in designing, implementing and evaluating Mathematics' learning.	Students are able to formulate problems related to mathematics learning for later research with score at least 80.	Students be able to formulate problems related to mathematics learning for later research with score at least 70 and less than 80.	Students be able to formulate problems related to mathematics learning for later research with score at least 55 and less than 70.	Students be able to formulate problems related to mathematics learning for later research with score less than 55.

		KNO-3	Able to demonstrate knowledge related to mathematics education research	Students are able to explain the concepts and techniques for drafting scientific papers and compile paper drafts, research proposals, or scientific articles with score at least 80	Students be able to explain the concepts and techniques for drafting scientific papers and compile paper drafts, research proposals, or scientific articles with score at least 70 and less than 80.	Students be able to explain the concepts and techniques for drafting scientific papers and compile paper drafts, research proposals, or scientific articles with score at least 55 and less than 70.	Students be able to explain the concepts and techniques for drafting scientific papers and compile paper drafts, research proposals, or scientific articles with score less than 55.
		COM-1	Able to communicate idea and research result effectively orally and literally.	Students are able to communicate ideas and research results orally and in writing with score at least 80	Students are able to communicate ideas and research results orally and in writing with score at least 70 and less than 80.	Students are able to communicate ideas and research results orally and in writing with score at least 55 and less than 70.	Students are able to communicate ideas and research results orally and in writing with score less than 55.
		COM-2	Able to make decision based on data/information in solving task that become students' responsibility and evaluate the work that has been done	Students are able to analyze data and discuss data / information obtained from a mathematics education research with score at least 80	Students are able to analyze data and discuss data / information obtained from a mathematics education research with score at least 70 and less than 80.	Students are able to analyze data and discuss data / information obtained from a mathematics education research with score at least 55 and less than 70.	Students are able to analyze data and discuss data / information obtained from a mathematics education research with score less than 55.

ACHIEVEMENT PERCENTAGE OF PLO



CLASSICAL VALUE OF PLO



STUDENT'S
LEARNING
PERFORMANCE
ANALYSIS

On average, students who program mathematics education seminar courses have mastered the material given. Of the 87 students who took this course, 82.76% had met the excellent criteria at KNO-2, KNO-3, COM-1, SOC-1 and SOC-2, and 85.06% had met the excellent criteria at COM-2. There are no students who fail in this course. The average PLO achievement is quite high, which is above 82 on a scale of 0-100.

RECOMMENDATION FOR FUTURE LEARNING	:	There are several things that are recommended for improvement for the next lecture, namely: <ol style="list-style-type: none">1. Maintaining the learning method that was applied during the last lecture2. Providing meaningful assignments with sufficient feedback
RECOMMEDATION FOR INSTITUTION	:	The recommendation given to the institution is to provide space for students to present scientific works produced through courses such as mathematics education seminars, writing scientific papers, or mathematical research methods.

