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	:	Programme Learning Outcomes (PLO) KNO-2 Able to demonstrate pedagogical knowledge in designing, implementing and evaluation. KNO-3 Able to demonstrate knowledge related to mathematics education research COM-1 Able to communicate idea and research result effectively orally and literally. COM-2 Able to make decision based on data/information in solving task that become study that has been done. SOC-1 Able to demonstrate scientific attitude, critical and innovative in mathematics tead SOC-2 Able to demonstrate religion values and cultures as well as academics etiquette in a close to demonstrate problems related to mathematics learning for later research CLO-2 able to explain the concepts and techniques for drafting scientific papers CLO-3 able to draft paper, research proposals, or scientific articles CLO-4 able to communicate ideas and research results orally and in writing CLO-5 able to analyze data and discuss data / information obtained from a mathematics CLO-6 able to recommend alternative solutions to problems in mathematics teaching and CLO-7 able to demonstrate publication ethics in writing articles, papers, mathematics ed	dents' responsibility and evaluate the work hing and learning and professional task. doing professional task.

		Correlation Bety	ween PLO a	nd CLO M	lathematic	s Education	n Semina	ar				
		Mathematics	KNO-2	KNO-3	COM-1	COM-2	SOC-1	SOC-2				
		Education Seminar										
	CL	0-1	٧									
	CL	0-2		٧								
	CL	0-3		٧								
	CL	0-4			٧							
		0-5				٧						
		0-6					٧					
	CL	0-7						٧				
LEARNING	. Courses are conducted by	activating students wi	ith the follo	wing strat	egies: Lect	ures, focu	s group d	iscussions,	assignments			
STRATEGIES	[]											
ASSESSMENT	The assessment carried ou	t during the lecture in	cludes the	following	three com	ponents.						
	1. Assignment											
	2. Mid-term exams (Drafting paper)											
	3. Final exams (Scientific articles and presentation of research results)											
	1. Assignment											
	1. Assignment											
	✓ The assignment was give	en once after the mid	-term exam	in the for	rm of revisi	ing the dra	ıft paper.					
	2. Mid-Term exam											
	✓ Mid-Term exam is h	held outside the classr	oom with t	he deadli	ne for subr	nitting a d	raft papeı	r 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 asse	essment is in the form	of a preser	ntation of	a research	paper / ar	ticle who	se prepara	tion process st			

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	KNO-2	KNO-3	COM-1	COM-2	SOC-1	SOC-2
Education Seminar						
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	

	CLO-7									Mid-Term
										exam and
										Final Exam
				Weight	of Tes	t Ability				
	Mathematics Education Semina	r	KNO-2	KNO-3		COM-1	СОМ	-2	SOC-1	SOC-2
	Assignment			50%			50%	ó		
	Mid-Term Exam		20%	20%		20%			20%	20%
	Final Exam		14.33%	28.67%		14.33%	14.33	3%	14.33%	14.33%
			Th			PLO's Weig	ht	٦		
				Т	UTS	UAS				
			KNO-2		0.04	0.0428	0.0828			
			KNO-3	0.15	0.04	0.286	0.476			
			COM-1		0.04	0.0858	0.1258			
			COM-2	0.15		0.0428	0.1928			
			SOC-1		0.04	0.0428	0.0828			
			SOC-2	0.2	0.04	0.0428	0.0828			
				0.3	0.2	0.3	0.8			
EARNING			The Calculation of PLO for each students							
UTCOMES						Mathe	ematics			
		ю	STUDENT			Educatio				
			NUMBER	KNO-	KNC		COM-	SOC-	SOC-	
				2	3	1	2	1	2	

						,	
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 81.0

The predicate of PLO for each student

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

2	21 17030174070	Е	Е	Е	Е	Е	Е	
2	22 17030174086	Е	Е	Е	Е	Е	Е	
2	23 17030174006	Е	Е	Е	Е	Е	Е	
2	24 17030174007	G	G	G	G	G	G	
2	25 17030174027	Е	Е	Е	Е	Е	Е	
2	26 17030174059	G	G	G	G	G	G	
2	27 17030174067	Е	Е	Е	Е	Е	Е	
2	28 17030174071	Е	Е	Е	Е	Е	Е	
2	29 17030174082	G	G	G	G	G	G	
3	30 16030174054	Е	Е	Е	Е	Е	Е	
3	31 17030174018	Е	Е	Е	Е	Е	Е	
3	32 17030174021	G	Е	G	Е	G	G	
3	33 17030174024	Е	Е	Е	Е	Е	Е	
3	34 17030174044	Е	Е	Е	Е	Е	Е	
3	35 17030174064	Е	Е	Е	Е	Е	Е	
3	36 17030174078	Е	Е	Е	Е	Е	Е	
3	37 17030174033	G	G	G	G	G	G	
3	38 17030174084	G	G	G	G	G	G	
3	39 17030174092	G	G	G	G	G	G	
4	17030174001	Е	Е	Е	Е	Е	Е	
4	17030174028	Е	Е	Е	Е	Е	Е	
4	17030174057	Е	Е	Е	Е	Е	Е	
4	17030174068	Е	Е	Е	Е	Е	Е	
4	14 17030174072	Е	Е	Е	Е	Е	Е	
4	45 17030174073	Е	Е	E	Е	Е	Е	
4	46 17030174093	Е	Е	Е	Е	Е	Е	
4	17030174016	Е	Е	Е	Е	Е	Е	
4	48 17030174038	Е	Е	Е	Е	Е	Е	
4	17030174041	G	G	G	Е	G	G	

50	17030174048	Е	Е	Е	Е	Е	Е
51	17030174048	E	E	E	E	E	E
52	17030174062	E	E	E	E	E	E
53	17030174000	E	E	E	E	E	E
54	17030174093	E	E	E	E	E	E
55	17030174003	E	E	E	E	E	E
56	17030174030	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	Е	Е	Е	Е	Е	Е
64	17030174031	Е	Е	Е	Е	Е	Е
65	17030174032	Е	Е	Е	Е	Е	Е
66	17030174052	Е	Е	Е	Е	Е	Е
67	17030174053	Е	Е	Е	Е	Е	Е
68	17030174025	Е	Е	Е	Е	Е	Е
69	17030174037	G	G	G	G	G	G
70	17030174050	Е	Е	Е	Е	Е	Е
71	17030174056	Е	Е	Е	Е	Е	Е
72	17030174069	Е	Е	Е	Е	Е	Е
73	17030174079	Е	Е	Е	Е	Е	Е
74	17030174090	Е	Е	Е	Е	Е	Е
75	17030174004	G	G	G	G	G	G
76	17030174012	G	G	G	G	G	G
77	17030174014	Е	Е	Е	Е	Е	Е
78	17030174015	G	G	G	G	G	G

			7:	9 17030174081	Е	G	Е	G	Е	Е	
			8	0 17030174083	G	G	G	G	G	G	
			8	1 17030174087	G	G	G	G	G	G	
			8	2 17030174039	Е	Е	Е	Е	Е	Е	
			8.	3 17030174063	Е	Е	Е	Е	Е	Е	
			8	4 17030174080	Е	Е	Е	Е	Е	Е	
			8.	5 17030174009	Е	Е	Е	Е	Е	Е	
			8	6 17030174013	Е	Е	Е	Е	Е	Е	
			8	7 17030174023	Е	Е	Е	Е	Е	Е	
		E = Excellent									
		G = Good									
		S = Satisfy									
		F = Fail									
LEARNING											
OUTCOMES					PLO A	Assessmer	nt Rubric				
ANALYSIS		PLO	Description	Excellent		Go	od		Sat	isfy	Fail
		KNO-2	Able to	Students are able to	Stu	udents be	able to	St	udents be	e able to	Students be able to
			demonstrate	formulate problems		mulate pro			rmulate p		formulate problems
			pedagogical	related to		ated to ma				athematics	related to mathematics
	:		knowledge in	mathematics learning		rning for la			arning for		learning for later
			designing,	for later research		th score a				th score at	research with score
			implementing	with score at least	an	d less tha	n 80.			d less than	less than 55.
		I	landa at attac	80.				70	1		
			and evaluating					/ /	'.		
			Mathematics'						·•		
			_						.		

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

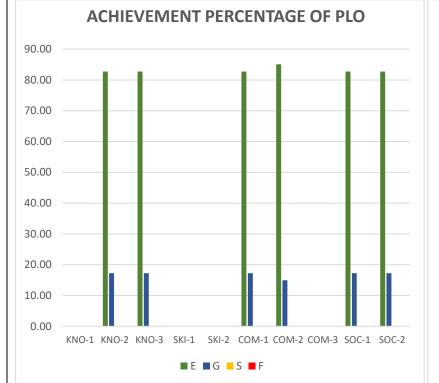
SOC-1	Able to	Students are able to	Students are able to	Students are able to	Students are able to	
	demonstrate	recommend	recommend alternative	recommend	recommend	
	scientific	alternative solutions	solutions to problems	alternative solutions	alternative solutions	
	attitude, critical	to problems in	in mathematics	to problems in	to problems in	
	and innovative in	mathematics	teaching and learning	mathematics teaching and learning with score at least 55 and	mathematics teaching	
	mathematics	teaching and	with score at least 70 and less than 80.		and learning with score less than 55.	
	teaching and	learning with score				
	learning and	at least 80		less than 70.		
	professional					
	task.					
SOC-2	Able to	Students are able to	Students are able to	Students are able to	Students are able to	
	demonstrate	demonstrate	demonstrate publication	demonstrate publication	demonstrate publication	
	religion values	publication ethics in	ethics in writing articles,	ethics in writing articles,	ethics in writing articles,	
	and cultures as	writing articles,	papers, mathematics	papers, mathematics	papers, mathematics	
	well as	papers, mathematics	education research	education research	education research	
	academics	education research	proposals with score at	proposals with score at	proposals with score	
	etiquette in	proposals with score	least 70 and less than 80.	least 55 and less than 70.	less than 55.	
	doing	at least 80				
	_					
	professional					
	task.					

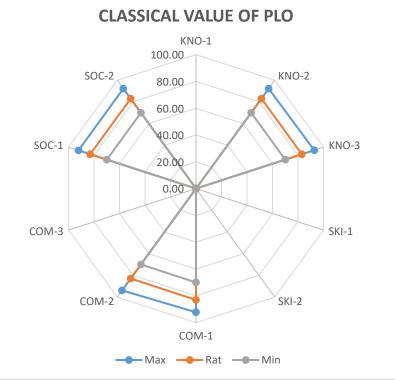
CLASSICAL VALUE OF PLO									
	KNO-2 KNO-3 COM-1 COM-2 SOC-1 SOC-2								
Max	92.24	92.72	92.24	93.89	92.24	92.24			
Rat	83.04	82.96	83.04	82.93	83.04	83.04			
Min	70.00	70.00	70.00	70.00	70.00	70.00			

ACHIEVEMENT NUMBER OF PLO 72.00 72.00 72.00 74.00 72.00 Е 72.00 G 15.00 15.00 15.00 15.00 13.00 15.00 S 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 F 87.00 87.00 87.00 87.00 87.00 87.00

ACHIEVEMENT
NUMBER OF
PLO

ACHIEVEMENT PERCENTAGE OF PLO (%)						
82.76	82.76	82.76	85.06	82.76	82.76	
17.24	17.24	17.24	14.94	17.24	17.24	
0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	0.00	0.00	0.00	0.00	
100.00	100.00	100.00	100.00	100.00	100.00	





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		There are several things that are recommended for improvement for the next lecture, namely:
FOR FUTURE	:	1. Maintaining the learning method that was applied during the last lecture
LEARNING		2. Providing meaningful assignments with sufficient feedback
RECOMMEDATION		The recommendation given to the institution is to provide space for students to present scientific works produced through courses
FOR INSTITUTION	•	such as mathematics education seminars, writing scientific papers, or mathematical research methods.