

## Universitas Negeri Surabaya Faculty of Mathematics and Natural Sciences Science Education Doctoral Study Program

Document Code

## SEMESTER LEARNING PLAN

Courses			CODE	CODE Course Fan			Famil	ily Credit Weight						SEME	STER	Cor Dat	npilat e	tion			
Independent Study of Field of Study			8400102053	8400102051			Compulsory Study Program Subjects			Т	=2	P=0	) E	CTS=5.	.04	:	3	Jun 202	e 20, 2		
AUTHORIZATION			SP Develop	SP Developer				Course Cluster Coordinator				or	Study Program Coordinator								
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	1		Prof. Dr. Su	yatno	о, M.S	Ι.				Prof	. Dr.	Suy	atno	), M.	SI.		Pro	. Dr. S	uyatno	э, M.S	51.
Learning model	Project Based Learning																				
Program	PLO study prog	gra	m that is charg	ged	to the	; coi	urse	9													
Learning Outcomes	Program Objectives (PO)																				
(PLO)	PO - 1	PO-1 Develop knowledge and technology in the field of expertise that will be pursued in accordance with the research plan for the dissertation through research to produce creative, original and tested work																			
	PO - 2	<ul> <li>Solve problems in the area of expertise that will be pursued in accordance with the research plan for the dissertation through an inter or multi or transdisciplinary approach.</li> </ul>																			
	PO - 3	Ma	anage, lead and	dev	elop re	esea	rch a	and c	level	p the	e fiel	d of	ехр	ertis	e to be	pur	sued i	n acco	rdanc	e with	n the
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	PLO-PO Matrix																				
			P.O																		
			PO-1	1																	
			PO-2	+																	
			PO 2	-																	
			F0-3	_																	
	PO Matrix at th	e e	nd of each lea	rnin	n star	ne (S	Sub.	.PO)													
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			PO-1				<u> </u>														
			PO-2				_						_								_
			PO-3				Ĺ														
Short Course Description	This dissertation of the Study Prog with the opportun	sup grar lity 1	porting course, n, adjusted to th to deepen the fie	the c e dis eld of	content sertati f exper	t and ion n	l nar ieed: they	ne of s of t will p	the che stu	course ident e in a	e are con	e det cerne danc	ermi ed. <sup>-</sup> e wi	ined The ith th	by the aim of he resea	pror this o arch	noter t course plan fo	ogethe is to p or the c	r with provide dissert	the H stud ation.	lead ents It is
									oigiri			Serie		una		n g					
References	Main :																				
	1. Ditentu	1. Ditentukan sesuai dengan bidang studi yang dipilih																			
	Supporters:																				
Supporting lecturer	Prof. Dr. Hj. Rudi Dr. Raharjo, M.Si Prof. Dr. Suyatno Prof. Dr. Tukiran,	ana , M M.	Agustini, M.Pd. .Si. Si.																		

Week-	Final abilities of each learning	Eval	uation	He Lear Stude [ E	elp Learning, ming methods, nt Assignments, stimated time]	Learning materials	Assessment Weight (%)	
	(Sub-PO)	Indicator	Criteria & Form	Offline( offline)	Online ( online )	References ]		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
1	Understand, have clear direction and targets regarding the dissertation plan to be developed, including strategies for completing the dissertation.	Presenting writing containing an action plan for completing the dissertation.	Criteria: Based on the assessment rubric that has been created by the teaching lecturer Form of Assessment : Project Results Assessment / Product Assessment	Literature study by students before face- to-face (virtual face- to-face). Discussion of parties (students, promoters and co- promoters), and case method 2 X 50	Literature study by students before face-to- face (virtual face-to- face). Discussion of parties (students, promoters and co- promoters), and case method 2 X 50	Material: Development of action plans, General references in writing: APA, PUPBI. <b>References:</b>	5%	
2	Produce a review of presentation material (by the promoter & co- promoter) regarding the background and formulation of the problem to be solved through dissertation research.	<ol> <li>The results of the gap analysis between das Sollen and das Sein are the background for the formulation of the problem.</li> <li>Formulation of the problem to be solved through dissertation research.</li> </ol>	Criteria: Based on the assessment rubric that has been created by the teaching lecturer Form of Assessment : Project Results Assessment / Product Assessment	Outside face-to-face hours: Review of various related literature using the gap analysis method. Face to face to discuss the results of student analysis. The learning model used by PjBL. 2 X 50	Outside face-to-face hours: Review of various related literature using the gap analysis method. Face to face to discuss the results of student analysis. The learning model used by PjBL. 2 X 50	Material: Textbook related to standards; Related and latest articles; Legal Products contain government policies in the field of <b>library</b> education:	5%	
3	Produce a review of presentation material (by the promoter & co- promoter) regarding the background and formulation of the problem to be solved through dissertation research.	<ol> <li>The results of the gap analysis between das Sollen and das Sein are the background for the formulation of the problem.</li> <li>Formulation of the problem to be solved through dissertation research.</li> </ol>	Criteria: Based on the assessment rubric that has been created by the teaching lecturer Form of Assessment : Project Results Assessment / Product Assessment	Outside face-to-face hours: Review of various related literature using the gap analysis method. Face to face to discuss the results of student analysis. The learning model used by PjBL. 2 X 50	Outside face-to-face hours: Review of various related literature using the gap analysis method. Face to face to discuss the results of student analysis. The learning model used by PjBL. 2 X 50	Material: Textbook related to standards; Related and latest articles; Legal Products contain government policies in the field of <b>library</b> education:	5%	
4	Produce a review of presentation material (by the promoter & co- promoter) regarding the conceptual definition and operational definition of the dissertation research variables.	<ol> <li>Formulation of a conceptual definition of dissertation research variables.</li> <li>Formulation of operational definitions of dissertation research variables.</li> </ol>	Criteria: Based on the assessment rubric that has been created by the teaching lecturer Form of Assessment : Project Results Assessment / Product Assessment	Outside of face-to-face hours: Review of various literature related to dissertation research variables. Face-to-face to discuss the results of the conceptual and operational formulation of research variables. The learning model used by PjBL. 2 X 50	Outside of face-to-face hours: Review of various literature related to dissertation research variables. Face-to-face to discuss the results of the conceptual and operational formulation of research variables. The learning model used by PjBL. 2 X 50	Material: Textbook related to standards; Related and latest articles. <b>References:</b>	5%	

5	Produce a reviewed presentation material (by the promoter & co- promoter) of the conceptual framework of the initial generation of dissertation research, which describes the connectivity between variables contained in the formulation of the problem to be solved.	Produce a conceptual framework for dissertation research.	Criteria: Based on the assessment rubric that has been created by the teaching lecturer Form of Assessment : Project Results Assessment / Product Assessment	Practice of developing a Conceptual Framework Researchers use syllogism logic. Carried out before the face-to-face meeting and discussed with the supervisor. The learning model used by PjBL. 2 X 50	Practice of developing a Conceptual Framework Researchers use syllogism logic. Carried out before the face-to- face meeting and discussed with the supervisor. The learning model used by PjBL. 2 X 50	Material: PPT How to develop a thinking framework or research conceptual framework Literature:	7%
6	Produce a reviewed presentation material (by the promoter & co- promoter) of the conceptual framework of the initial generation of dissertation research, which describes the connectivity between variables contained in the problem to be solved. Produce an initial design (raw blue-print) for (!) the implementation of actions in spelling - ask for treatment variables and (2) develop instruments to assess response variables.	<ol> <li>Produce an initial design for implementing actions in realizing treatment variables.</li> <li>Produce an initial design for instrument development to assess response variables</li> </ol>	Criteria: Based on the assessment rubric that has been created by the teaching lecturer Form of Assessment : Project Results Assessment / Product Assessment	Content Analysis by students of various library sources supporting dissertation writing. The work produced outside face- to-face hours is then discussed with the promoter and co- promoter. The learning model used by PjBL. 2 X 50	Content Analysis by students of various library sources supporting dissertation writing. The work produced outside face- to-face hours is then discussed with the promoter and co- promoter. The learning model used by PjBL. 2 X 50	Material: Organizing thoughts into a tabulation system to facilitate presentation. <b>References</b> :	7%
7	Produce a reviewed presentation material (by the promoter & co- promoter) of the conceptual framework of the initial generation of dissertation research, which describes the connectivity between variables contained in the formulation of the problem to be solved. Produce an initial design (raw blue-print) for (!) the implementation of actions in spelling - ask for treatment variables and (2) develop instruments to assess response variables.	<ol> <li>Produce an initial design for implementing actions in realizing treatment variables.</li> <li>Produce an initial design for instrument development to assess response variables</li> </ol>	Criteria: Based on the assessment rubric that has been created by the teaching lecturer Form of Assessment : Project Results Assessment / Product Assessment	Content Analysis by students of various library sources supporting dissertation writing. The work produced outside face- to-face hours is then discussed with the promoter and co- promoter. The learning model used by PjBL. 2 X 50	Content analysis by students of various library sources to support dissertation writing. The work produced outside face- to-face hours is then discussed with the promoter and co- promoter. The learning model used by PjBL. 2 X 50	Material: Organizing thoughts into a tabulation system to facilitate presentation. References:	7%
8	Final capabilities from TM-1 to TM-7	Indicators from TM-1 to TM-7	Criteria: Based on the assessment rubric that has been created by the teaching lecturer Form of Assessment : Project Results Assessment / Product Assessment	Written test or assignment as a substitute for UTS 2 X 50	Written test or assignment as a substitute for UTS 2 X 50	Material: Learning topics from TM-1 to TM- 7 Library:	5%

9	Produce researched work in the form of a grid (blue-print) for the development of response variable measuring instruments and assessment rubrics.	Produce a grid (blue-print) for developing instruments to measure response variables and assessment rubrics.	Criteria: Based on the assessment rubric that has been created by the teaching lecturer Form of Assessment : Project Results Assessment / Product Assessment	Instrument development tasks, according to the development panel method. The learning model used by PjBL. 2 X 50	Instrument development tasks, according to the development panel method. The learning model used by PjBL. 2 X 50	Material: Related and latest articles <b>References</b> :	7%
10	Produce five examples of test items measuring response variables reviewed by promoters and co- promoters.	Produce five examples of test items measuring response variables reviewed by promoters and co-promoters	Criteria: Based on the assessment rubric that has been created by the teaching lecturer Form of Assessment : Project Results Assessment / Product Assessment	Presentation of 5 examples of test items measuring response variables. The learning model used by PjBL. 2 X 50	Presentation of 5 examples of test items measuring response variables. The learning model used by PjBL. 2 X 50	Material: Related scientific articles containing instructions for preparing question grids References:	7%
11	Produce review and validation sheets for feasibility testing of response variable measuring instruments.	Produce review sheets and validate test items measuring response variables reviewed by promoters and co-promoters	Criteria: Based on the assessment rubric that has been created by the teaching lecturer Form of Assessment : Project Results Assessment / Product Assessment	Developed outside face- to-face hours and then discussed with the supervisor during face- to-face hours. The learning model used by PjBL. 2 X 50	Developed outside face-to-face hours and then discussed with the supervisor during face- to-face hours. The learning model used by PjBL. 2 X 50	Material: Related scientific articles containing instructions for preparing question grids. <b>References:</b>	7%
12	Produce researched work (by promoters and co-promoters) in the form of a blueprint for implementing actions in the implementation of treatment variables, including standard operating procedures (POS).	Produce analysis results of scientific articles, especially on 4 ways of conditioning the accommodation process	Criteria: Based on the assessment rubric that has been created by the teaching lecturer Form of Assessment : Project Results Assessment / Product Assessment	Article Review and presentation of results. The learning model used by PjBL. 2 X 50	Article Review and presentation of results. The learning model used by PjBL. 2 X 50	Material: Related and latest scientific articles; Files of analysis results that were created by Rosalina Permatasari Pustaka:	7%
13	Produce an initial draft regarding learning devices in implementing POS as mentioned above.	Produce a development grid (blue-print) and initial draft of learning or training devices.	Criteria: Based on the assessment rubric that has been created by the teaching lecturer Form of Assessment : Project Results Assessment / Product Assessment	Instrument development tasks, according to the development panel method. Then discussed with the supervisor. The learning model used by PjBL. 2 X 50	Instrument development tasks, according to the development panel method. Then discussed with the supervisor. The learning model used by PjBL. 2 X 50	Material: Related and latest articles References:	7%
14	Produce a final draft regarding learning devices in implementing POS as mentioned above.	Final draft of learning devices for implementing POS.	Criteria: Based on the assessment rubric that has been created by the teaching lecturer Form of Assessment : Project Results Assessment / Product Assessment	CC strategy development practices. The learning model used by PjBL. 2 X 50	CC strategy development practices. The learning model used by PjBL. 2 X 50	Material: Related and latest scientific articles; Dissertation written by Napsin Palisoa and Ayun. References:	7%

15	Produce test and validation sheets for feasibility testing of learning devices or training devices.	Produce review and validation sheets for feasibility testing of learning devices or training devices.	Criteria: Based on the assessment rubric that has been created by the teaching lecturer Form of Assessment : Project Results Assessment / Product Assessment	Developed outside face- to-face hours and then discussed with the supervisor during face- to-face hours. The learning model used by PjBL. 2 X 50	Developed outside face-to-face hours and then discussed with the supervisor during face- to-face hours. The learning model used by PjBL. 2 X 50	Material: Related scientific articles containing instructions for preparing question grids. References:	5%
16	Final capabilities from TM-9 to TM- 15	Indicators from TM-9 to TM-15	Criteria: Based on the assessment rubric that has been created by the teaching lecturer Form of Assessment : Project Results Assessment / Product Assessment	Written test or assignment as a substitute for UAS 2 X 50	Written test or assignment as a substitute for UAS	Material: Learning topics from TM-9 to TM- 15 Library: Material: Learning topics from TM-9 to TM- 15 Library:	7%

## Evaluation Percentage Recap: Project Based Learning

No	Evaluation	Percentage
1.	Project Results Assessment / Product Assessment	100%
		100%

## Notes

- 1. Learning Outcomes of Study Program Graduates (PLO Study Program) are the abilities possessed by each Study Program graduate which are the internalization of attitudes, mastery of knowledge and skills according to the level of their study program obtained through the learning process.
- The PLO imposed on courses are several learning outcomes of study program graduates (CPL-Study Program) which are used for the formation/development of a course consisting of aspects of attitude, general skills, special skills and knowledge.
- 3. **Program Objectives (PO)** are abilities that are specifically described from the PLO assigned to a course, and are specific to the study material or learning materials for that course.
- 4. **Subject Sub-PO (Sub-PO)** is a capability that is specifically described from the PO that can be measured or observed and is the final ability that is planned at each learning stage, and is specific to the learning material of the course.
- 5. Indicators for assessing ability in the process and student learning outcomes are specific and measurable statements that identify the ability or performance of student learning outcomes accompanied by evidence.
- 6. Assessment Criteria are benchmarks used as a measure or measure of learning achievement in assessments based on predetermined indicators. Assessment criteria are guidelines for assessors so that assessments are consistent and unbiased. Criteria can be quantitative or qualitative.
- 7. Forms of assessment: test and non-test.
- 8. Forms of learning: Lecture, Response, Tutorial, Seminar or equivalent, Practicum, Studio Practice, Workshop Practice, Field Practice, Research, Community Service and/or other equivalent forms of learning.
- Learning Methods: Small Group Discussion, Role-Play & Simulation, Discovery Learning, Self-Directed Learning, Cooperative Learning, Collaborative Learning, Contextual Learning, Project Based Learning, and other equivalent methods.
- 10. Learning materials are details or descriptions of study materials which can be presented in the form of several main points and sub-topics.
- 11. The assessment weight is the percentage of assessment of each sub-PO achievement whose size is proportional to the level of difficulty of achieving that sub-PO, and the total is 100%.
- 12. TM=Face to face, PT=Structured assignments, BM=Independent study.