

Universitas Negeri Surabaya Vocational Faculty, D4 Civil Engineering Study Program

Document Code

SEMESTER LEARNING PLAN

Courses			CO	CODE		C	ourse	ourse Family Credit Weight			SEI	MESTER	Com Date	pilation						
Drawing Low Rise Buildings and Practicum			999	99992240104011					T=1 P=3 ECTS=6.36			6	2 July 17, 202		17, 2024					
AUTHORIZATION			SP	SP Developer					Course Cluster Coordinator					Study Program Coordinator						
															P	Puguh Novi Prasetyono, S.Pd., M.T.				
Learning model		Project Based	l Le	earning																
Program		PLO study program that is charged to the course																		
Learning Outcom		Program Objectives (PO)																		
(PLO)		PLO-PO Matrix																		
P.O																				
		PO Matrix at	the	e end o	of eacl	h leai	rning	stage	e (Su	b-PO))									
				P.0	P.0					Week										
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15 16	16
Short Course Descript	tion	Introduction to cuts, roofs), S Mechanical D Lectures are h and reflection completion of i	truc raw ield acti	tural D ings El throug vities w	rawing lectrica h an e /hich a	s (fou I (ligh xposit re cor	Indatio ht poin tory ap mpleme	ns, 2r nt inst proac	nd flo tallatio ch in f	or co on, cl the fo	lumn lean orm o	beam and c f lectu	lis, rin lirty N res a	g ball vater nd qu	ks and install estion	l 3rd floo ation), a s and ar	or bea along nswers	ms, plate with deta s followed	es, por ailed c d by di	tals) and drawings. iscussion
Reference	ces	Main :																		
1.Frederick E2.Soemadi R3.Soegihardji4.Seelye E. 15.Irfan A. 2006.Benny Pus		R. Kons djo R. G 1959. I 004. Me	struksi Sambar Design enggan	Bang r-gam I, Data nbar S	unan G bar Da a Book Struktu	Gedun asar Ilı afor C ır Banı	ng. mu Ba Sivil Er Igunar	angur nginee n I. St	nan. ers. N uraba	lew Yo ya: JT	ork: J S 13	ohn W FT 13	Unes	а	: Unive	ersitas Ati	ma Ja <u>y</u>	ya		
Supporters:																				
Supporting lecturer Hendra Wahyu Cah Feriza Nadiar, S.T.,			S.T., I	М.Т.																
Week- ead		nal abilities of the learning age			Evaluation							Leari Studer [Es		Help Learning, arning methods, ent Assignments, Estimated time]		m	Learning materials [References		essment ight (%)	
(Ju	(Sub-PO) lı		Indica			Criteri		-orm		off	line(ine)		Unlin	e (on	iine)]			
(1) (2)		(3)				(4)			(5)			(6)			(7)		(8)		

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1	Able to draw plans	1.Identify image notations 2.Explain image notation 3.Apply floor plan images	Lectures, discussions and questions and answers and practice drawing 2 X 50		0%
2	Able to draw plans	1.Identify image notations 2.Explain image notation 3.Apply floor plan images	Lectures, discussions and questions and answers and practice drawing 2 X 50		0%
3	Able to draw foundations and sloof columns	 Identify foundation drawing notations Explain the function and depiction of foundation drawings Applying foundation drawings 	Lectures, discussions and questions and answers and drawing practice. 2 X 50		0%
4	Able to draw 2nd floor column beams and 3rd floor ring beams	 Identify the drawing notations for 2nd floor column beams and 3rd floor ring beams Explain the function and depiction of 2nd floor column beams and 3rd floor ring beams Apply the image of the 2nd floor column beam and the 3rd floor ring beam 	Lectures, discussions and questions and drawing practice. 2 X 50		0%
5	Able to draw roof plans	 Identify roof plan drawing notations Explain the function and depiction of roof plans Apply the roof plan drawing 	Lectures, discussions and questions and answers and drawing practice. Exercise 2 X 50		0%

6	Able to draw roof plans	 Identify roof plan drawing notations Explain the function and depiction of roof plans Apply the roof plan drawing 		Lectures, discussions and questions and answers and drawing practice. Exercise 2 X 50		0%
7	UTS	UTS	Criteria: 100 marks, if you do the questions correctly, completely and neatly	Test 2 X 50		0%
8	Able to draw pieces	1.Identify cut drawing notations 2.Explain the function and depiction of pieces 3.Apply cutout images		Lectures, discussions and questions and answers and drawing practice. Exercise 2 X 50		0%
9	Able to draw pieces	1.Identify cut drawing notations 2.Explain the function and depiction of pieces 3.Apply cutout images		Lectures, discussions and questions and answers and drawing practice. Exercise 2 X 50		0%
10	Able to draw looks	 Identify visible image notation Explain the function and visual depiction Apply visible images 		Lectures, discussions and questions and answers and drawing practice. 2 X 50		0%
11	Able to draw looks	1.Identify visible image notation 2.Explain the function and visual depiction 3.Apply visible images		Lectures, discussions and questions and answers and drawing practice. 2 X 50		0%

12	Able to draw floor plates	 Identify floor plate drawing notations Explain the function and depiction of floor plates Apply the floor plate image 		Lectures, discussions and questions and answers and drawing practice. 2 X 50		0%
13	Able to draw portals	 Identify portal image notations Explain the function and depiction of the portal Applying the portal image 		Lectures, discussions and questions and answers and drawing practice. 2 X 50		0%
14	Able to draw detailed stairs (structural and architectural drawings)	 Identifying notations for ladder drawings Explain the function and depiction of stairs Apply the stairs image 		Lectures, discussions and questions and answers and drawing practice. 2 X 50		0%
15	Able to draw clean and dirty water installation plans and electrical installations	Identify drawing notations for water and electricity installations	Criteria: Do it correctly and completely	Lectures, discussions and questions and answers and drawing practice. 2 X 50		0%
16						0%

 Evaluation Percentage Recap: Project Based Learning

 No
 Evaluation

 Percentage

 0%

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.
- 9. Learning Methods: Small Group Discussion, Role-Play & Simulation, Discovery Learning, Self-Directed Learning, Cooperative 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.