

Universitas Negeri Surabaya Vocational Faculty, D4 Civil Engineering Study Program

Document Code

SEMESTER LEARNING PLAN

Courses				CO	DE				С	ourse	ourse Family			Credit Weight				SE	MESTE		Compila Date	tion
Drawing Simple Buildings and Practicum			999	99992240104011						T=:			T=1	P=	3 E(CTS=6.36	;	1	1	July 17, 2	2024	
AUTHORIZATION			SP	SP Developer						Co	urse	Clus	ter	Coor	dinator		Study Program Coordinator					
																	F	Puguh Novi Prasetyono, S.Pd., M.T.				
Learning model	J	Project Based	Lea	rning	ing																	
Program		PLO study program that is charged to the course																				
Learning Outcom		Program Objectives (PO)																				
(PLO)		PLO-PO Matrix																				
P.O																						
		PO Matrix at t	he (end of	each l	learn	ing st	age (Sub-P	0)												
																					_	
				P.0								,	Weel	k								
					1	2	3	4	5	6	7	8	9	10		11	12	13	14	15	5 16	1
			-																			—
Short Course Descript	tion	Introduction to t Explain the var residential build sanitation plan,	ious ing s	S Pictori structur	ial, Ort e, cons	thogo	nal án g of floo	d Per or plan	spectiv , found	re proj lation	ections plan, re	s and pof pla	their an, Io	r app ngitua	licati dinal	ons sect	in civil e	ngine s sect	ering; D	Draw It vie	ving a si ew, side v	mple view,
Referen	ces	Main :																				
		1.Jurnal I2.Affandi,3.Cahyak4.S.C. Sh56.Khrisbia	, Acl a, ⊢ arm , 20	hmad Ir Iendra \ na. 1979 Tecl	fan. 19 Wahyu 9. Engir hnical I	B . 19 neerii Draw	uku Aja . Gaml ng Drav ing	ar: Me bar Te wing P 	nggam knik. U art I. N	bar Te Inesa I Iew Yo	eknik, U Press. ork: Ch	Jnesa and-C	Pres	is any L	td., I	Ram	Nagar.					
		Supporters:																				
Supporting lecturer Hendra Wahyu Cahya Feriza Nadiar, S.T., M Wahyu Dwi Mulyono,			M.T.																			
Week- ead				Indica	Evaluation					1	0	Help Learning, Learning methods, Student Assignments, [Estimated time] Offline (Online (online)				n	Learning materials References		Assessment Weight (%)			
												fline)				1						
(1) (2)		(2)	(3)				(4)					(5)		(6)				(7)		(8)		

1	Identify the types and functions of drawing tools, standard lines, letters, numbers and symbols.	 Identify types of drawing tools Explain the function of drawing tools Explains the standards for lines, letters and numbers Apply standard images of lines, letters and numbers 	 Criteria: 1.A score of 60 is obtained if you do all the questions correctly. 2.A score of 40 is obtained if you are able to apply Line drawings, letters and numbers according to the standard. 	Lectures, discussions, questions and answers, presentations. 6 X 50		0%
2	Analyze basic engineering plans, foundations, building cuts.	 Identify basic techniques for plans, foundations, building cuts. Explains basic techniques for plans, foundations, building cuts. Analyze basic engineering plans, foundations, building cuts. 	Criteria: A score of 100 is obtained if you do all the questions correctly.	Lectures, discussions, questions and answers, essays. 6 X 50		0%
3	Able to draw various Orthogonal Projections of simple building shapes	 Identifying Orthogonal Projection images of simple building shapes Explaining Orthogonal Projections of simple building shapes Drawing Orthogonal Projections of simple building shapes 	 Criteria: 1.A score of 60 is obtained if you do all the questions correctly. 2.A score of 40 is obtained if you are able to draw an Orthogonal Projection of a simple building shape according to the steps. 	Lectures, discussions, questions and answers, and assignments, presentations. 6 X 50		0%
4	Able to draw various Orthogonal Projections of simple building shapes	 Identifying Orthogonal Projection images of simple building shapes Explaining Orthogonal Projections of simple building shapes Drawing Orthogonal Projections of simple building shapes 	 Criteria: 1.A score of 60 is obtained if you do all the questions correctly. 2.A score of 40 is obtained if you are able to draw Pictorial and Perspective Projections according to the steps. 	Lectures, discussions, questions and answers, and assignments, presentations. 6 X 50		0%

5	Able to draw various Pictorial Projections of simple building shapes	 Identify Pictorial Projection	Criteria: A score of 10 is obtained if you are able to draw a simple residential house plan according to the steps and drawing standards.	Lectures, discussions, questions and answers, and assignments, presentations. 6 X 50		0%
6	Understand the application of sketch drawings and technical specifications in drawing simple residential house plans according to the steps and drawing standards in AutoCAD format.	 Understand sketch drawing applications and technical specifications for floor plans Identify the steps for drawing a floor plan Identify floor plan drawing standards Draw a simple residential house plan according to the steps and drawing standards. 	Criteria: A score of 10 is obtained if you are able to draw the foundation according to the steps and drawing standards	Lectures, discussions, questions and answers, and assignments, presentations. 6 X 50		0%
7	Understand the principles of the law of equilibrium and soil conditions in simple residential house foundation drawings according to the steps and standard drawings in AutoCAD format.	 Identify the principles of the law of equilibrium and soil conditions in foundation drawings Identify the steps for drawing a foundation Identify foundation drawing standards Draw the foundation according to the steps and drawing standards 	Criteria: A score of 10 is obtained if you are able to draw the roof construction of a Simple Residential House according to the steps and drawing standards.	Lectures, discussions, questions and answers, and assignments, presentations. 6 X 50		0%
8	Understand the principles of the law of equilibrium and soil conditions in simple residential house foundation drawings according to the steps and standard drawings in AutoCAD format.	1.Identify the principles of the law of equilibrium and soil conditions in foundation drawings 2.Identify the steps for drawing a foundation 3.Identify foundation drawing standards 4.Draw the foundation according to the steps and drawing standards	Criteria: A score of 20 is obtained if you are able to draw the longitudinal and cross section construction of a Simple Residential House according to the drawing steps and standards	Lectures, discussions, questions and answers, and assignments, presentations. 6 X 50		0%
9	U.S.S	-	Criteria:	- 6 X 50		0%

10	Understand the principles of statics and technical provisions in longitudinal and cross section construction drawings in AutoCAD format.	 Identify the principles of statics and technical provisions for longitudinal and cross section construction drawings Identify the steps and standards of piece construction drawings Draw the longitudinal and cross section construction of a Simple Residential House according to the steps and drawing standards. 	Criteria: Perfect score if answered well and correctly	Lectures, discussions, questions and answers, and assignments, presentations. 6 X 50		0%
11	Understand the principles of statics and technical provisions in longitudinal and cross section construction drawings in AutoCAD format.	 Identify the principles of statics and technical provisions for longitudinal and cross section construction drawings Identify the steps and standards of piece construction drawings Draw the longitudinal and cross section construction of a Simple Residential House according to the steps and drawing standards. 	Criteria: Perfect score if answered well and correctly	Lectures, discussions, questions and answers, and assignments, presentations. 6 X 50		0%
12	Understand the technical provisions for front and side view drawings in AutoCAD format.	 Identify technical requirements for front and side view images Identify the steps and standards for front and side view drawings Draw the front and side views of a simple residence according to the steps and drawing standards. 	Criteria: Perfect score if answered well and correctly	Lectures, discussions, questions and answers, and assignments, presentations. 6 X 50		0%

13	Understand the technical provisions of Sanitation Plans in AutoCAD format.	 Identify the technical provisions of the Sanitation Plan Identify Sanitation Plan Identify Sanitation Plan measures and standards Drawing a simple residential sanitation plan according to the steps and drawing standards. 	Criteria: A score of 10 is obtained if you are able to draw a Mechanical and Electrical Plan for a Simple Residential House according to the steps and drawing standards.	Lectures, discussions, questions and answers, and assignments, presentations. 6 X 50		0%
14	Understand the technical provisions of Mechanical and Electrical Plans in AutoCAD format.	 Identify the technical provisions of the Mechanical and Electrical Plan Identify Mechanical and Electrical Plan Identify Mechanical and Electrical Plan steps and standards Drawing Mechanical and Electrical Plans for a Simple Residential House according to the steps and drawing standards. 	Criteria: A score of 10 is obtained if you are able to draw detailed structures and sanitation of a simple residential house according to the steps and drawing standards.	Lectures, discussions, questions and answers, and assignments, presentations. 6 X 50		0%
15	Understand the technical provisions of Structural Details and Sanitation in AutoCAD format.	 Identify technical provisions for structural details and sanitation Identify the steps and standards of Structural Details, and Sanitation Drawing structural details and sanitation of a simple residential house according to drawing steps and standards. 	Criteria: A score of 10 is obtained if you are able to draw detailed structures and sanitation of a simple residential house according to the steps and drawing standards.	Lectures, discussions, questions and answers, and assignments, presentations. 6 X 50		0%
16						0%

 Evaluation Percentage Recap: Project Based Learning

 No
 Evaluation

 Percentage

 0%

- 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.
- 2. 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.
 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, 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.