



**Universitas Negeri Surabaya**  
**Faculty of Engineering,**  
**Building Engineering Education Undergraduate Study Program**

**Document Code**

**SEMESTER LEARNING PLAN**

Courses	CODE	Course Family	Credit Weight			SEMESTER	Compilation Date
Project management*	8320502291	Study Program Elective Courses	T=2	P=0	ECTS=3.18	5	April 28, 2023
AUTHORIZATION	SP Developer		Course Cluster Coordinator			Study Program Coordinator	
	Dr. Gde Agus Yudha Prawira Adistana, S.T., M.T.		Dr. Gde Agus Yudha Prawira Adistana, S.T., M.T.			Dr. Gde Agus Yudha Prawira Adistana, S.T., M.T.	

<b>Learning model</b>	<b>Case Studies</b>																																																																																																				
<b>Program Learning Outcomes (PLO)</b>	<b>PLO study program which is charged to the course</b>																																																																																																				
	<b>Program Objectives (PO)</b>																																																																																																				
	<b>PO - 1</b> Students are able to have knowledge of project management in carrying out civil engineering work in the field.																																																																																																				
	<b>PO - 2</b> Students are able to create and carry out construction project administration systems at the project procurement stage/process.																																																																																																				
	<b>PO - 3</b> Students are able to organize work and place staff according to their areas of expertise in order to manage projects effectively and efficiently.																																																																																																				
	<b>PO - 4</b> Students are able to coordinate with organizations inside and outside the project for the smooth implementation of project work.																																																																																																				
	<b>PLO-PO Matrix</b>																																																																																																				
	<table border="1"> <tr><td>P.O</td></tr> <tr><td>PO-1</td></tr> <tr><td>PO-2</td></tr> <tr><td>PO-3</td></tr> <tr><td>PO-4</td></tr> </table>	P.O	PO-1	PO-2	PO-3	PO-4																																																																																															
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<b>PO Matrix at the end of each learning stage (Sub-PO)</b>																																																																																																					
<table border="1"> <tr> <th rowspan="2">P.O</th> <th colspan="16">Week</th> </tr> <tr> <th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th>9</th><th>10</th><th>11</th><th>12</th><th>13</th><th>14</th><th>15</th><th>16</th> </tr> <tr><td>PO-1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>PO-2</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>PO-3</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>PO-4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>	P.O	Week																1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	PO-1																	PO-2																	PO-3																	PO-4																
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<b>Short Course Description</b>	This course contains an overview of projects, basic principles of management, project organization, construction project participant teams, feasibility studies, project documents, tender processes, construction project contracts. Learning is carried out using a combination of direct teaching methods and case study models. Learning is carried out using a constructivist paradigm by emphasizing learning at the student center.																																																																																																				
<b>References</b>	<b>Main :</b>																																																																																																				

1. Dani Hasan, Suryanto HS Mas. 2006. Manajemen Proyek I . Surabaya: Unipres Unesa.
2. Nugraha Paulus, Natan Ishak, Sutjipto R. 1985. Manajemen Proyek Konstruksi 1 . Surabaya: Kartika Yudha.
3. Soeharto Iman. 2001. Manajemen Proyek dari Konseptual Sampai Operasional Jilid 1 . Jakarta: Erlangga.
4. Widiyanti Irika, Lenggogeni. 2013. Manajemen Konstruksi . Bandung: Remaja Rosdakarya.
5. Husen Abrar. 2011. Manajemen Proyek . Yogyakarta: Andi.
6. A Guide to The Project Management Body of Knowledge, (PMBOK®Guide).Fifth Edition, Project Management Institute. 2013.
7. Yasin Nazarkhan, 2002. Kontrak Konstruksi di Indonesia. Jakarta: Kompas Gramedia

**Supporters:**

1. Journal of Construction Engineering and Management (ASCE)

**Supporting lecturer**

Dr. Gde Agus Yudha Prawira Adistana, S.T., M.T.

Week-	Final abilities of each learning stage (Sub-PO)	Evaluation		Help Learning, Learning methods, Student Assignments, [ Estimated time]		Learning materials [ References ]	Assessment Weight (%)
		Indicator	Criteria & Form	Offline ( offline )	Online ( online )		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Understand the meaning and development cycle of a project	Can mention and explain the meaning and development cycle of a project	<b>Criteria:</b> State and explain the meaning and development cycle of the project clearly, completely and correctly	Lectures, discussions and questions and answers 2 X 50	Lectures, discussions and questions and answers 2 X 50	<p><b>Material:</b> Understanding projects and project cycles</p> <p><b>References:</b> <i>Dani Hasan, Suryanto HS Mas. 2006. Project Management I. Surabaya: Unipres Unesa.</i></p> <p><b>Material:</b> Understanding Projects and the project cycle</p> <p><b>Reader:</b> <i>Soeharto Iman. 2001. Project Management from Conceptual to Operational Volume 1. Jakarta: Erlangga.</i></p> <p><b>Material:</b> Understanding projects and project cycles</p> <p><b>References:</b> <i>Widiyanti Irika, Lenggogeni. 2013. Construction Management. Bandung: Rosdakarya Youth.</i></p> <p><b>Material:</b> Understanding projects and project cycles</p> <p><b>Reference:</b> <i>Husen Abrar. 2011. Project Management. Yogyakarta: Andi.</i></p>	2%

2	Understand the application of management in project management	Can explain project resources and the application of management functions (processes) in project management	<p><b>Criteria:</b> Explain project resources and the application of management functions (processes) in project management clearly, completely and correctly</p> <p><b>Form of Assessment :</b> Practice / Performance</p>	Lectures, discussions and questions and answers 2 X 50	Lectures, discussions and questions and answers 2 X 50	<p><b>Material:</b> project resources</p> <p><b>References:</b> <i>Dani Hasan, Suryanto HS Mas. 2006. Project Management I. Surabaya: Unipres Unesa.</i></p> <hr/> <p><b>Material:</b> project resources</p> <p><b>Reader:</b> <i>Soeharto Iman. 2001. Project Management from Conceptual to Operational Volume 1. Jakarta: Erlangga.</i></p>	2%
3	Understand the application of management in project management in the field	Can present case studies on the application of management in project management in the field	<p><b>Criteria:</b> Discussion of cases of management implementation in project management in the field was carried out well</p> <p><b>Form of Assessment :</b> Practice / Performance</p>	Presentation and group discussion of cases in the field 2 X 50	Presentation and group discussion of cases in the field 2 X 50	<p><b>Material:</b> project resources</p> <p><b>References:</b> <i>Dani Hasan, Suryanto HS Mas. 2006. Project Management I. Surabaya: Unipres Unesa.</i></p> <hr/> <p><b>Material:</b> project resources</p> <p><b>Reader:</b> <i>Soeharto Iman. 2001. Project Management from Conceptual to Operational Volume 1. Jakarta: Erlangga.</i></p>	2%
4	Understand the various organizational structures of construction projects	Can describe various kinds of project organizational structures	<p><b>Criteria:</b> Able to describe various kinds of project organizational structures clearly and correctly</p>	Lectures, discussions and questions and answers 2 X 50	Lectures, discussions and questions and answers 2 X 50	<p><b>Material:</b> Project organization</p> <p><b>Library:</b> <i>Dani Hasan, Suryanto HS Mas. 2006. Project Management I. Surabaya: Unipres Unesa.</i></p> <hr/> <p><b>Material:</b> Library Project organization : <i>Husen Abrar. 2011. Project Management. Yogyakarta: Andi.</i></p>	2%

5	Understand the application of various construction project organizational structures in the field	Can present case studies on the application of various construction project organizational structures in the field	<p><b>Criteria:</b> Able to present case studies of the application of various construction project organizational structures in the field clearly</p> <p><b>Form of Assessment :</b> Practice / Performance</p>	Presentation and group discussion regarding the case of construction project organizational structure in the 2 X 50 field	Presentation and group discussion regarding the case of construction project organizational structure in the 2 X 50 field	<p><b>Material:</b> Project organization <b>Library:</b> Dani Hasan, Suryanto HS Mas. 2006. <i>Project Management I. Surabaya: Unipres Unesa.</i></p> <hr/> <p><b>Material:</b> Library Project organization : Husen Abrar. 2011. <i>Project Management. Yogyakarta: Andi.</i></p>	2%
6	Understand the duties and responsibilities of teams and personnel involved in construction project organizations	Can explain the duties and responsibilities of teams and personnel involved in construction project organizations	<p><b>Criteria:</b> Able to explain the duties and responsibilities of the team and personnel involved in the construction project organization properly and correctly</p>	Lectures, discussions and questions and answers 2 X 50	Lectures, discussions and questions and answers 2 X 50	<p><b>Material:</b> Project organization <b>Library:</b> Dani Hasan, Suryanto HS Mas. 2006. <i>Project Management I. Surabaya: Unipres Unesa.</i></p> <hr/> <p><b>Material:</b> <b>Library</b> Project organization : Soeharto Iman. 2001. <i>Project Management from Conceptual to Operational Volume 1. Jakarta: Erlangga.</i></p>	2%
7	Understand the implementation of the duties and responsibilities of teams and personnel involved in the organization of construction projects in the field	Can present case studies on the application of the duties and responsibilities of teams and personnel involved in construction project organizations in the field	<p><b>Criteria:</b> 1. According to the group presentation rubric 2. Able to present case studies of the implementation of the duties and responsibilities of teams and personnel involved in the organization of construction projects in the field well and completely</p> <p><b>Form of Assessment :</b> Practice / Performance</p>	Case Study: Presentation and group discussion 2 X 50	Case Study: Presentation and group discussion 2 X 50	<p><b>Material:</b> Project organization <b>Library:</b> Dani Hasan, Suryanto HS Mas. 2006. <i>Project Management I. Surabaya: Unipres Unesa.</i></p> <hr/> <p><b>Material:</b> <b>Library</b> Project organization : Soeharto Iman. 2001. <i>Project Management from Conceptual to Operational Volume 1. Jakarta: Erlangga.</i></p>	2%
8	-	-	<p><b>Criteria:</b> -</p>	Sub Summative Exam 2 X 50			32%

9	Understand the basic principles and aspects of project feasibility studies	Can explain the basic principles and aspects of project feasibility studies	<b>Criteria:</b> Able to explain the basic principles and aspects of a project feasibility study clearly and completely	Lectures, discussions and questions and answers 2 X 50	Lectures, discussions and questions and answers 2 X 50	<b>Material:</b> project feasibility <b>Reference:</b> Soeharto Iman. 2001. <i>Project Management from Conceptual to Operational Volume 1.</i> Jakarta: Erlangga.	2%
10	Understand project feasibility study reports	Can present project feasibility study reports	<b>Criteria:</b> Able to present project feasibility study reports clearly and completely  <b>Form of Assessment :</b> Practice / Performance	Case study: Presentation and group discussion 2 X 50	Case study: Presentation and group discussion 2 X 50	<b>Material:</b> project feasibility <b>Reference:</b> Soeharto Iman. 2001. <i>Project Management from Conceptual to Operational Volume 1.</i> Jakarta: Erlangga.	2%
11	Understand project documents	Can mention and explain project documents	<b>Criteria:</b> Able to name and explain project documents clearly, completely and correctly  <b>Form of Assessment :</b> Test	Lectures, discussions and questions and answers 2 X 50	Lectures, discussions and questions and answers 2 X 50	<b>Material:</b> project documents <b>Bibliography:</b> Dani Hasan, Suryanto HS Mas. 2006. <i>Project Management I. Surabaya: Unipres Unesa.</i>	2%
12	Understand project documents in practice in the field	Can present project documents obtained from survey results in the field	<b>Criteria:</b> Able to present project documents obtained from survey results in the field clearly and completely  <b>Form of Assessment :</b> Practice / Performance	Case study: 2 X 50 group presentation and discussion	Case study: 2 X 50 group presentation and discussion	<b>Material:</b> project documents <b>Bibliography:</b> Dani Hasan, Suryanto HS Mas. 2006. <i>Project Management I. Surabaya: Unipres Unesa.</i>	2%
13	Understand the various types of project contracts	Can explain various types of project contracts	<b>Criteria:</b> Able to explain various types of project contracts properly and correctly	Lectures, discussions and questions and answers 2 X 50	Lectures, discussions and questions and answers 2 X 50	<b>Material:</b> Contract <b>Literature:</b> Dani Hasan, Suryanto HS Mas. 2006. <i>Project Management I. Surabaya: Unipres Unesa.</i>  <b>Material:</b> Contracts <b>Bibliography:</b> Yasin Nazarkhan, 2002. <i>Construction Contracts in Indonesia.</i> Jakarta: Kompas Gramedia	2%

14	Understand the application of various types of project contracts in the field	Can present the application of various types of project contracts in the field	<b>Criteria:</b> Able to present the application of various types of project contracts in the field clearly, completely and correctly  <b>Form of Assessment :</b> Practice / Performance	Case Study: Presentation and group discussion 2 X 50	Case Study: Presentation and group discussion 2 X 50	<b>Material:</b> Contract <b>Literature:</b> Dani Hasan, Suryanto HS Mas. 2006. Project Management I. Surabaya: Unipres Unesa. ----- <b>Material:</b> Contracts <b>Bibliography:</b> Yasin Nazarkhan, 2002. Construction Contracts in Indonesia. Jakarta: Kompas Gramedia	2%
15	Understand the auction/tender process for construction projects. Simulate the aanwijzing process	Can explain the auction/tender process for construction projects. Can simulate the aanwijzing process	<b>Criteria:</b> Able to explain the construction project tender process properly and correctly  <b>Form of Assessment :</b> Test	Lectures, discussions and questions and answers 2 X 50	Lectures, discussions and questions and answers 2 X 50	<b>Material:</b> project tender <b>References:</b> Dani Hasan, Suryanto HS Mas. 2006. Project Management I. Surabaya: Unipres Unesa.	2%
16	-			Summative Exam			40%

#### Evaluation Percentage Recap: Case Study

No	Evaluation	Percentage
1.	Practice / Performance	14%
2.	Test	4%
		18%

#### Notes

- 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.
- 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.
- 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.
- Indicators for assessing** abilities in the process and student learning outcomes are specific and measurable statements that identify the abilities or performance of student learning outcomes accompanied by evidence.
- 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.
- Forms of assessment:** test and non-test.
- 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.
- Learning materials** are details or descriptions of study materials which can be presented in the form of several main points and sub-topics.
- 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%.
- TM=Face to face, PT=Structured assignments, BM=Independent study.

