



**Universitas Negeri Surabaya  
Faculty of Engineering  
Civil Engineering Undergraduate Study Program**

**Document Code**

**SEMESTER LEARNING PLAN**

Courses	CODE	Course Family	Credit Weight			SEMESTER	Compilation Date
Project management	2220102038	Compulsory Study Program Subjects	T=2	P=0	ECTS=3.18	3	April 27, 2023
<b>AUTHORIZATION</b>	<b>SP Developer</b>		<b>Course Cluster Coordinator</b>			<b>Study Program Coordinator</b>	
	Ir. Mas Suryanto HS., S.T., M.T.		.....			Yogie Risdianto, S.T., M.T.	

<b>Learning model</b>	Case Studies																																																																																																					
<b>Program Learning Outcomes (PLO)</b>	PLO study program which is charged to the course																																																																																																					
	<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 stages/process.																																																																																																				
	<b>PO - 3</b>	Students are able to coordinate with organizations inside and outside the project for the smooth implementation of project work.																																																																																																				
	<b>PO - 4</b>	Students are able to organize work and place staff according to their field of expertise in order to manage projects effectively and efficiently.																																																																																																				
	<b>PLO-PO Matrix</b>																																																																																																					
		<table border="1" style="margin-left: auto; margin-right: auto;"> <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" style="margin-left: auto; margin-right: auto;"> <thead> <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> </thead> <tbody> <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> </tbody> </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.
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<b>References</b>	<b>Main :</b>
	<ol style="list-style-type: none"> <li>1. Dani Hasan, Suryanto HS Mas. 2006. Manajemen Proyek I . Surabaya: Unipres Unesa.</li> <li>2. Nugraha Paulus, Natan Ishak, Sutjipto R. 1985. Manajemen Proyek Konstruksi 1 . Surabaya: Kartika Yudha.</li> <li>3. Soeharto Iman. 2001. Manajemen Proyek dari Konseptual Sampai Operasional Jilid 1 . Jakarta: Erlangga.</li> <li>4. Wideasanti Irika, Lenggogeni. 2013. Manajemen Konstruksi . Bandung: Remaja Rosdakarya.</li> <li>5. Husen Abrar. 2011. Manajemen Proyek . Yogyakarta: Andi.</li> </ol>
	<b>Supporters:</b>

1. Journal of Construction Engineering and Management (ASCE)
2. Pelatihan Microsoft Project Bagi Guru-guru SMKN Kudu Jombang, SMKN 1 Nganjuk, SMKN 1 Ngawi dan SMKN Jenangan Ponorogo Secara Daring di Masa Pandemi Covid-19

**Supporting lecturer**  
 Ir. Mas Suryanto H.S., S.T., M.T.  
 Puguh Novi Prasetyono, S.Pd., M.T.  
 Alwan Gangsar Brilian Putra, S.Tr.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	<p><b>Criteria:</b> Good marks if questions are answered correctly.</p> <p><b>Form of Assessment :</b> Participatory Activities</p>	Lectures, discussions and questions and answers. 2 X 50	Lectures and questions and answers. 2 X 50	<p><b>Material:</b> Introduction to Project Management <b>References:</b> <i>Dani Hasan, Suryanto HS Mas. 2006. Project Management I. Surabaya: Unipres Unesa.</i></p> <p><b>Material:</b> Introduction to Project Management <b>References:</b> <i>Nugraha Paulus, Natan Ishak, Sutjipto R. 1985. Construction Project Management 1. Surabaya: Kartika Yudha.</i></p> <p><b>Material:</b> Project Management <b>Literature:</b> <i>Widiasanti Irika, Lenggogeni. 2013. Construction Management. Bandung: Rosdakarya Youth.</i></p> <p><b>Material:</b> Basics of Microsoft Project <b>Library:</b> <i>Microsoft Project Training for Teachers of SMKN Kudu Jombang, SMKN 1 Nganjuk, SMKN 1 Ngawi and SMKN Jenangan Ponorogo Online during the Covid-19 Pandemic</i></p>	5%

2	Understand the Basic Principles, Concepts and Thinking of Project Management.	Can explain the Basic Principles, Concepts and Thinking of Project Management.	<p><b>Criteria:</b> Good marks if questions are answered correctly.</p> <p><b>Form of Assessment :</b> Participatory Activities</p>	Lectures, discussions and questions and answers. 2 X 50	Lectures and questions and answers. 2 X 50	<p><b>Material:</b> Basic Principles, Concepts and Thoughts of Project Management <b>Library:</b> Dani Hasan, Suryanto HS Mas. 2006. <i>Project Management I. Surabaya: Unipres Unesa.</i></p> <hr/> <p><b>Material:</b> Basic Principles, Concepts and Thoughts on Project Management <b>References:</b> Nugraha Paulus, Natan Ishak, Sutjipto R. 1985. <i>Construction Project Management 1. Surabaya: Kartika Yudha.</i></p> <hr/> <p><b>Material:</b> Introduction to Project Management <b>Reference:</b> Husen Abrar. 2011. <i>Project Management. Yogyakarta: Andi.</i></p>	5%
3	Presenting Case Studies of Basic Principles, Concepts and Project Management Thinking.	Can present the results of case studies on the application of management in project management in the field.	<p><b>Criteria:</b> Good marks if the presentation and questions can be answered well and correctly.</p> <p><b>Form of Assessment :</b> Participatory Activities, Project Results Assessment / Product Assessment</p>	Presentations and group discussions. 2 X 50	Presentations and group discussions. 2 X 50	<p><b>Material:</b> Introduction to Project Management <b>References:</b> Dani Hasan, Suryanto HS Mas. 2006. <i>Project Management I. Surabaya: Unipres Unesa.</i></p> <hr/> <p><b>Material:</b> Introduction to Project Management <b>References:</b> Nugraha Paulus, Natan Ishak, Sutjipto R. 1985. <i>Construction Project Management 1. Surabaya: Kartika Yudha.</i></p> <hr/> <p><b>Material:</b> Project Management <b>Literature:</b> Widiasanti Irika, Lenggogeni. 2013. <i>Construction Management. Bandung: Rosdakarya Youth.</i></p>	10%

4	Understand the various organizational structures of construction projects.	<p>1.Can explain various types of project organizational structures.</p> <p>2.Can describe various kinds of project organizational structures.</p>	<p><b>Criteria:</b> Good marks if questions are answered correctly.</p> <p><b>Form of Assessment :</b> Participatory Activities</p>	Lectures, discussions and questions and answers. 2 X 50	Lectures and questions and answers. 2 X 50	<p><b>Material:</b> Project Organization <b>Literature:</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>Soeharto Iman. 2001. Project Management from Conceptual to Operational Volume 1. Jakarta: Erlangga.</i></p> <hr/> <p><b>Material:</b> Project Organization <b>Library:</b> <i>Husen Abrar. 2011. Project Management. Yogyakarta: Andi.</i></p>	5%
5	Understanding Construction Project Teams.	<p>1.Can explain the Construction Project Team.</p> <p>2.Can describe the organizational structure of the Construction Project Team.</p>	<p><b>Criteria:</b> Good marks if questions are answered correctly.</p> <p><b>Form of Assessment :</b> Participatory Activities</p>	Lectures, discussions and questions and answers. 2 X 50	Lectures and questions and answers. 2 X 50	<p><b>Material:</b> Construction Project Team <b>Library:</b> <i>Dani Hasan, Suryanto HS Mas. 2006. Project Management I. Surabaya: Unipres Unesa.</i></p> <hr/> <p><b>Material:</b> Construction Project Team <b>References:</b> <i>Nugraha Paulus, Natan Ishak, Sutjipto R. 1985. Construction Project Management 1. Surabaya: Kartika Yudha.</i></p> <hr/> <p><b>Material:</b> Project Organization <b>Library:</b> <i>Widiasanti Irika, Lenggogeni. 2013. Construction Management. Bandung: Rosdakarya Youth.</i></p>	5%

6	Presenting the results of case studies of construction project organizations and teams.	Can Present the results of Case Studies of Organizations and Construction Project Teams.	<p><b>Criteria:</b> Good marks if the presentation and questions can be answered well and correctly.</p> <p><b>Form of Assessment :</b> Participatory Activities, Project Results Assessment / Product Assessment</p>	Presentations and group discussions. 2 X 50	Presentations and group discussions. 2 X 50	<p><b>Material:</b> Construction Project Organization and Team</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> <b>Library</b> Project Organization : <i>Soeharto Iman. 2001. Project Management from Conceptual to Operational Volume 1. Jakarta: Erlangga.</i></p> <hr/> <p><b>Material:</b> Construction Project Team</p> <p><b>References:</b> <i>Nugraha Paulus, Natan Ishak, Sutjipto R. 1985. Construction Project Management 1. Surabaya: Kartika Yudha.</i></p>	10%
7	Understanding Construction Project Feasibility Studies.	Can explain aspects of construction project feasibility studies.	<p><b>Criteria:</b> According to the group presentation rubric</p> <p><b>Form of Assessment :</b> Participatory Activities</p>	Lectures, discussions and questions and answers. 2 X 50	Lectures and questions and answers. 2 X 50	<p><b>Material:</b> Project Feasibility Study</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 Feasibility Study</p> <p><b>Literature:</b> <i>Soeharto Iman. 2001. Project Management from Conceptual to Operational Volume 1. Jakarta: Erlangga.</i></p>	5%
8	Midterm Exam (UTS)						0%

9	Able to present Construction Project Feasibility Study Case Studies.	Can present the results of Case Study Documents for Construction Project Feasibility Studies.	<p><b>Criteria:</b> Good marks if the presentation and questions can be answered well and correctly.</p> <p><b>Form of Assessment :</b> Participatory Activities, Project Results Assessment / Product Assessment</p>	Presentations and group discussions. 2 X 50	Presentations and group discussions. 2 X 50	<p><b>Material:</b> Project Feasibility Study</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 Feasibility Study</p> <p><b>Literature:</b> <i>Soeharto Iman. 2001. Project Management from Conceptual to Operational Volume 1. Jakarta: Erlangga.</i></p>	10%
10	Understanding Construction Project Documents.	Can explain various types of construction project documents.	<p><b>Criteria:</b> Good marks if questions are answered correctly.</p> <p><b>Form of Assessment :</b> Participatory Activities</p>	Lectures, discussions and questions and answers. 2 X 50	Lectures and questions and answers. 2 X 50	<p><b>Material:</b> Project Documents</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> Project Documents</p> <p><b>Bibliography:</b> <i>Nugraha Paulus, Natan Ishak, Sutjipto R. 1985. Construction Project Management 1. Surabaya: Kartika Yudha.</i></p>	5%
11	Presenting Construction Project Document Case Studies.	Can present the results of case studies of construction project documents.	<p><b>Criteria:</b> Good marks if the presentation and questions can be answered well and correctly.</p> <p><b>Form of Assessment :</b> Participatory Activities, Project Results Assessment / Product Assessment</p>	Presentations and group discussions. 2 X 50	Presentations and group discussions. 2 X 50	<p><b>Material:</b> Project Documents</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> Project Documents</p> <p><b>Bibliography:</b> <i>Nugraha Paulus, Natan Ishak, Sutjipto R. 1985. Construction Project Management 1. Surabaya: Kartika Yudha.</i></p>	10%

12	Understand the types of Construction Project Contracts.	Can explain the types of Construction Project Contracts.	<p><b>Criteria:</b> Good marks if questions are answered correctly.</p> <p><b>Form of Assessment :</b> Participatory Activities</p>	Lectures, discussions and questions and answers. 2 X 50	Lectures and questions and answers. 2 X 50	<p><b>Material:</b> Project Contract</p> <p><b>Reference:</b> <i>Dani Hasan, Suryanto HS Mas. 2006. Project Management I. Surabaya: Unipres Unesa.</i></p> <hr/> <p><b>Material:</b> Project Contract</p> <p><b>Literature:</b> <i>Widiasanti Irika, Lenggogeni. 2013. Construction Management. Bandung: Rosdakarya Youth.</i></p> <hr/> <p><b>Material:</b> Project Contract</p> <p><b>Reader:</b> <i>Husen Abrar. 2011. Project Management. Yogyakarta: Andi.</i></p>	5%
13	Presenting Construction Project Contract Case Studies.	Can present the results of Construction Project Contract Case Studies.	<p><b>Criteria:</b> Good marks if the presentation and questions can be answered well and correctly.</p> <p><b>Form of Assessment :</b> Participatory Activities, Project Results Assessment / Product Assessment</p>	Presentations and group discussions. 2 X 50	Presentations and group discussions. 2 X 50	<p><b>Material:</b> Project Contract</p> <p><b>Reference:</b> <i>Dani Hasan, Suryanto HS Mas. 2006. Project Management I. Surabaya: Unipres Unesa.</i></p> <hr/> <p><b>Material:</b> Project Contract</p> <p><b>Literature:</b> <i>Widiasanti Irika, Lenggogeni. 2013. Construction Management. Bandung: Rosdakarya Youth.</i></p> <hr/> <p><b>Material:</b> Project Contract</p> <p><b>Reader:</b> <i>Husen Abrar. 2011. Project Management. Yogyakarta: Andi.</i></p>	10%

14	Understanding Construction Project Tenders.	Can explain construction project procurement methods.	<p><b>Criteria:</b> Good marks if questions are answered correctly.</p> <p><b>Form of Assessment :</b> Participatory Activities</p>	Lectures, discussions and questions and answers. 2 X 50	Lectures and questions and answers. 2 X 50	<p><b>Material:</b> Project Tender <b>Library:</b> Dani Hasan, Suryanto HS Mas. 2006. Project Management I. Surabaya: Unipres Unesa.</p> <p><b>Material:</b> Project Tenders <b>References:</b> Nugraha Paulus, Natan Ishak, Sutjipto R. 1985. Construction Project Management 1. Surabaya: Kartika Yudha.</p>	5%
15	Presenting the results of the Construction Project Tender Case Study.	Can present the results of Construction Project Tender Case Studies.	<p><b>Criteria:</b> Good marks if the presentation and questions can be answered well and correctly.</p> <p><b>Form of Assessment :</b> Participatory Activities, Project Results Assessment / Product Assessment</p>	Presentations and group discussions. 2 X 50	Presentations and group discussions. 2 X 50	<p><b>Material:</b> Project Tender <b>Library:</b> Dani Hasan, Suryanto HS Mas. 2006. Project Management I. Surabaya: Unipres Unesa.</p> <p><b>Material:</b> Project Tenders <b>References:</b> Nugraha Paulus, Natan Ishak, Sutjipto R. 1985. Construction Project Management 1. Surabaya: Kartika Yudha.</p>	10%
16	Final Semester Examination (UAS)						0%

#### Evaluation Percentage Recap: Case Study

No	Evaluation	Percentage
1.	Participatory Activities	70%
2.	Project Results Assessment / Product Assessment	30%
		100%

#### 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** 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.
- 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.



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.