



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 Control Techniques	2220102126		T=2 P=0 ECTS=3.18	7	July 18, 2024												
AUTHORIZATION		SP Developer	Course Cluster Coordinator		Study Program Coordinator												
			Yogie Risdianto, S.T., M.T.												
Learning model	Case Studies																
Program Learning Outcomes (PLO)	PLO study program that is charged to the course																
	Program Objectives (PO)																
	PLO-PO Matrix																
		P.O															
	PO Matrix at the end of each learning stage (Sub-PO)																
	P.O	Week															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Short Course Description	This course discusses various basic understandings/concepts of the scope of construction project control throughout the project cycle, which include cost control, time control, resource control (labor and materials). Implementing course learning as optimally as possible connects the subject matter with real conditions in the field, using various case examples that represent conditions in the field.																
References	Main :																
	<ol style="list-style-type: none"> 1. Suryanto HS Mas, Dani Hasan. 2006. Manajemen Proyek II . Surabaya: Unipres Unesa. 2. Nugraha Paulus, Natan Ishak, Sutjipto R. 1985. Manajemen Proyek Konstruksi 2 . Surabaya: Kartika Yudha. 3. Soeharto Iman. 2001. Manajemen Proyek dari Konseptual Sampai Operasional Jilid 2 . Jakarta: Erlangga. 4. Widiasanti Irika, Lenggogeni. 2013. Manajemen Konstruksi . Bandung: Remaja Rosdakarya. 5. Husen Abrar. 2011. Manajemen Proyek . Yogyakarta: Andi. 6. Ervianto I. W. 2004. Teori 13Aplikasi Manajemen Proyek Konstruksi. 7. Mubarak S. 2010. Construction Project Scheduling and Control 																
	Supporters:																
Supporting lecturer	Ir. Mas Suryanto H.S., S.T., M.T. 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	Mastering the basic principles of project control	<ol style="list-style-type: none"> 1. Describe the nature of project control 2. Explain the project planning and control cycle 3. Provide examples of control over various aspects or objects 	Criteria: Essay 100%	Learning Model: Cooperative Learning Learning Method: Lecture, Discussion & Assignment Approach: Scientific 2 X 50			0%										

2	Mastering the principles of conceptual stage project control	Explaining the control process carried out at the conceptual stage Formulating activities at the conceptual stage Explaining control benchmarks at the conceptual stage	Criteria: Essay 100%	Learning Model: Cooperative Learning Learning Method: Lecture, Discussion & Assignment Approach: Scientific 2 X 50			0%
3	Mastering the principles of project control in the planning and consolidation stages	Explain the control process carried out at the planning and stabilization stage. Formulate activities at the planning and consolidation stage. Explain control benchmarks at the planning and consolidation stage.	Criteria: Essay 100%	Learning Model: Cooperative Learning Learning Method: Lecture, Discussion & Assignment Approach: Scientific 2 X 50			0%
4	Mastering the principles of implementation stage project control	1.Explain the control process carried out at the implementation stage 2.Formulate activities at the implementation stage 3.Explain control benchmarks at the implementation stage	Criteria: Essay 100%	Learning Model: Cooperative Learning Learning Method: Lecture, Discussion & Assignment Approach: Scientific 2 X 50			0%
5	Mastering the principles of project cost control	1.Explain the meaning of project cost control 2.Explain the objectives of project cost control 3.Identify project cost control methods 4.Find ways to control project costs	Criteria: Essay 100%	Learning Model: Cooperative Learning Learning Method: Lecture, Discussion & Assignment Approach: Scientific 2 X 50			0%
6	Mastering the principles of project time control	1.Explain the meaning of project time control 2.Explain the purpose of project time control 3.Identify project time control methods 4.Find ways to control project time	Criteria: Essay 100%	Learning Model: Cooperative Learning Learning Method: Lecture, Discussion & Assignment Approach: Scientific 2 X 50			0%
7	Mastering the principles of project workforce control	1.Explain the meaning of project workforce control 2.Explain the purpose of project labor control 3.Identify project labor control methods 4.Find ways to control the project workforce	Criteria: Essay 100%	Learning Model: Cooperative Learning Learning Method: Lecture, Discussion & Assignment Approach: Scientific 2 X 50			0%
8	Meeting 01-07	Meeting 01-07	Criteria: Essay 100%	Sub Summative Exam 3 X 50			0%

9	Mastering the application principles of the Time Cost Trade Off (TCTO) method	1.Explain the terminology of the relationship between cost and time 2.Explain the purpose of the TCTO method 3.Explains the procedure for accelerating duration with TCTO 4.Applying the TCTO method	Criteria: Essay 100%	Learning Model: Cooperative Learning Learning Method: Lecture, Discussion & Assignment Approach: Scientific 4 X 50			0%
10							0%
11	Mastering the principles of project control reporting	1.Examining the components of daily, weekly and monthly report formats 2.Create daily, weekly and monthly project report formats	Criteria: Check list 100%	Learning Model: Project Based Learning Learning Method: Experiment, discussion, Assignment Approach: Scientific 2 X 50			0%
12	Mastering the principles of construction project control techniques (waterworks, buildings, roads and bridges)	Explain the implementation of construction project control techniques (waterworks, buildings, roads and bridges)	Criteria: Presentations and Reports 100%	Learning Model: Cooperative Learning Learning Method: Discussion & Assignment Presentation Approach: Scientific 8 X 50			0%
13	Mastering the principles of construction project control techniques (waterworks, buildings, roads and bridges)	Explain the implementation of construction project control techniques (waterworks, buildings, roads and bridges)	Criteria: Presentations and Reports 100%	Learning Model: Cooperative Learning Learning Method: Discussion & Assignment Presentation Approach: Scientific 8 X 50			0%
14	Mastering the principles of construction project control techniques (waterworks, buildings, roads and bridges)	Explain the implementation of construction project control techniques (waterworks, buildings, roads and bridges)	Criteria: Presentations and Reports 100%	Learning Model: Cooperative Learning Learning Method: Discussion & Assignment Presentation Approach: Scientific 8 X 50			0%
15	Mastering the principles of construction project control techniques (waterworks, buildings, roads and bridges)	Explain the implementation of construction project control techniques (waterworks, buildings, roads and bridges)	Criteria: Presentations and Reports 100%	Learning Model: Cooperative Learning Learning Method: Discussion & Assignment Presentation Approach: Scientific 8 X 50			0%
16	Mastering the principles of construction project control techniques (waterworks, buildings, roads and bridges)	Explain the implementation of construction project control techniques (waterworks, buildings, roads and bridges)	Criteria: Presentations and reports 100%	Learning Model: Cooperative Learning Learning Method: Discussion & Assignment Presentation Approach: Scientific 2 X 50			0%

Evaluation Percentage Recap: Case Study

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.
- 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.
- 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, 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.