

 <b>UNESA</b>	<b>Universitas Negeri Surabaya</b> <b>Faculty of Engineering,</b> <b>Electrical Engineering Undergraduate Study Program</b>						<b>Document Code</b>																																																		
<b>SEMESTER LEARNING PLAN</b>																																																									
<b>Courses</b>	<b>CODE</b>	<b>Course Family</b>	<b>Credit Weight</b>			<b>SEMESTER</b>	<b>Compilation Date</b>																																																		
Industrial Practices	2020102131	Compulsory Study Program Subjects	T=2	P=0	ECTS=3.18	6	April 24, 2023																																																		
<b>AUTHORIZATION</b>	<b>SP Developer</b>		<b>Course Cluster Coordinator</b>			<b>Study Program Coordinator</b>																																																			
	Tim PI		Prof. Dr. I Gusti Putu Asto B., M.T.			Dr. Lusia Rakhmawati, S.T., M.T.																																																			
<b>Learning model</b>	<b>Project Based Learning</b>																																																								
<b>Program Learning Outcomes (PLO)</b>	<b>PLO study program that is charged to the course</b>																																																								
	<b>Program Objectives (PO)</b>																																																								
	<b>PO - 1</b>	Able to apply knowledge of mathematics, natural sciences, information technology, and electrical engineering to gain a thorough understanding of engineering principles																																																							
	<b>PLO-PO Matrix</b>																																																								
		<table border="1" data-bbox="571 1160 743 1245"> <tr><td style="text-align: center;">P.O</td></tr> <tr><td style="text-align: center;">PO-1</td></tr> </table>						P.O	PO-1																																																
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<b>PO Matrix at the end of each learning stage (Sub-PO)</b>																																																									
	<table border="1" data-bbox="571 1361 1453 1491"> <tr> <td rowspan="2" style="text-align: center;">P.O</td> <td colspan="16" style="text-align: center;">Week</td> </tr> <tr> <td style="text-align: center;">1</td><td style="text-align: center;">2</td><td style="text-align: center;">3</td><td style="text-align: center;">4</td><td style="text-align: center;">5</td><td style="text-align: center;">6</td><td style="text-align: center;">7</td><td style="text-align: center;">8</td><td style="text-align: center;">9</td><td style="text-align: center;">10</td><td style="text-align: center;">11</td><td style="text-align: center;">12</td><td style="text-align: center;">13</td><td style="text-align: center;">14</td><td style="text-align: center;">15</td><td style="text-align: center;">16</td> </tr> <tr> <td style="text-align: center;">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><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																	
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<b>Short Course Description</b>	Implementation of Industrial Practices or Field Work Practices is carried out for a minimum of 1 month in industry studying practical problems in the field of electrical engineering. The results of industrial practices are then reported according to the guidebook and presented in seminars.																																																								
<b>References</b>	<b>Main :</b>																																																								
	1. Tim Penyusun Buku Panduan Praktik Industri/Praktik Kerja Lapangan. 2014. Panduan Praktik Industri/Praktik Kerja Lapangan . Surabaya: Fakultas Teknik Universitas Negeri Surabaya																																																								
<b>Supporters:</b>																																																									
<b>Supporting lecturer</b>	Dr. Lusia Rakhmawati, S.T., M.T.																																																								
<b>Week-</b>	<b>Final abilities of each learning</b>	<b>Evaluation</b>	<b>Help Learning, Learning methods, Student Assignments, [ Estimated time]</b>			<b>Learning materials</b>	<b>Assessment Weight (%)</b>																																																		

	stage (Sub-PO)	Indicator	Criteria & Form	Offline ( <i>offline</i> )	Online ( <i>online</i> )	[ <a href="#">References</a> ]	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	1. 2. In accordance with the guidebook and implementation of PI in the field	Evaluation Rubric	<b>Criteria:</b> Evaluation Rubric  <b>Form of Assessment :</b> Participatory Activities, Project Results Assessment / Product Assessment	DI, pjbl, cs 2 X 50		<b>Material:</b> Meeting material 1 <b>Literature:</b> <i>Team for Compiling Industrial Practices/Field Work Practices Guidebook. 2014. Guide to Industrial Practices/Field Work Practices. Surabaya: Faculty of Engineering, Surabaya State University</i>	5%
2	1. 2. In accordance with the guidebook and implementation of PI in the field	Evaluation Rubric	<b>Criteria:</b> Evaluation Rubric  <b>Form of Assessment :</b> Participatory Activities, Project Results Assessment / Product Assessment	DI, pjbl, cs 2 X 50		<b>Material:</b> Meeting material 1 <b>Literature:</b> <i>Team for Compiling Industrial Practices/Field Work Practices Guidebook. 2014. Guide to Industrial Practices/Field Work Practices. Surabaya: Faculty of Engineering, Surabaya State University</i>	5%
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16	1. 2. In accordance with the guidebook and implementation of PI in the field	Evaluation Rubric	<b>Criteria:</b> Evaluation Rubric  <b>Form of Assessment :</b> Participatory Activities, Project Results Assessment / Product Assessment	DI, pjb1, cs 2 X 50		<b>Material:</b> Meeting material 1 <b>Literature:</b> <i>Team for Compiling Industrial Practices/Field Work Practices Guidebook. 2014. Guide to Industrial Practices/Field Work Practices. Surabaya: Faculty of Engineering, Surabaya State University</i>	5%
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#### Evaluation Percentage Recap: Project Based Learning

No	Evaluation	Percentage
1.	Participatory Activities	40%
2.	Project Results Assessment / Product Assessment	40%
		80%

#### 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.
- 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.