

Course Code	TKEE163214											
Course Name	Power Distribution											
Course Instructors	Bambang Sugiyantoro, Yusuf Susilo Wijoyo											
Course Type	Selected Elective											
Course Classification	Engineering Topics											
Credit / Contact Hour per Week	2 / 100 minutes per Week											
Course Description	Understanding the concept and principle of the distribution system main equipment and its real implementation.											
Prerequisites Courses	-											
Covered Student Outcome	<b>Development of Engineering Solution (b) Engineering Design (c)</b>											
Learning Outcome	<ol style="list-style-type: none"> <li>1. Students are able to understand the concept, the types and standards of the distribution system</li> <li>2. Students are able to understand the type, construction, and principle of the distribution system main equipment</li> <li>3. Students are able to perform calculations for distribution system design and installation of distribution equipment</li> <li>4. Students are able to make distribution network planning</li> </ol>											
Topic	<ol style="list-style-type: none"> <li>1. Concepts and types of distribution systems</li> <li>2. Introduction of standards on distribution networks</li> <li>3. The introduction of the type, construction, and working principle of distribution system main equipment</li> <li>4. Introduction of calculations used in distribution system design and installation of distribution equipment</li> <li>5. Making distribution network planning</li> </ol>											
Direct Assessment	<table border="1"> <thead> <tr> <th>Direct Assessment Plan</th> <th>Measured Learning Outcome</th> </tr> </thead> <tbody> <tr> <td>Homework</td> <td>LO1,LO2,LO3,LO4</td> </tr> <tr> <td>Group Project</td> <td>LO3,LO4</td> </tr> <tr> <td>Mid Exam</td> <td>LO1,LO2</td> </tr> <tr> <td>Final Exam</td> <td>LO3,LO4</td> </tr> </tbody> </table>		Direct Assessment Plan	Measured Learning Outcome	Homework	LO1,LO2,LO3,LO4	Group Project	LO3,LO4	Mid Exam	LO1,LO2	Final Exam	LO3,LO4
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Group Project	LO3,LO4											
Mid Exam	LO1,LO2											
Final Exam	LO3,LO4											
Indirect Assessment	Questionnaire (EDOM)											
References	<p>[1] Gonen, T, 1987, Electrical Power Distribution System Engineering, McGraw-Hill, Inc, singapore</p> <p>[2] Willis, H.Lee. 1997. Power Distribution Planning Reference Book, 5th., Marcel Dekker Inc.</p>											