

Course Code	TKU311											
Course Name	Industrial Management											
Course Instructors	Subagyo											
Course Type	Required											
Course Classification	General Education											
Credit / Contact Hour per Week	2 / 150 minutes per Week											
Course Description	This course gives an overview about managerial concept in the industry. Besides the understanding of the managerial concept, students have to be able to think as a manager using risk and consequences analysis.											
Prerequisites Courses	Mathematics for Engineers, Probability and Statistics											
<b>Covered Student Outcome</b>	<b>Knowledge of Contemporary Issues (j)</b> <b>Development of Engineering Solution (e)</b> <b>Engineering Awareness and Society (h)</b>											
Learning Outcome	<ol style="list-style-type: none"> <li>1. Students are able to <u>explain</u> the basic concepts of managerial in the industry.</li> <li>2. Students are able to <u>design</u> and optimize the minimum risks as well as the maximum profit if the constrain is given.</li> <li>3. Students are able to formulate commercial vision and mission systematically.</li> <li>4. Students are able to understand the concept of economic forecasting.</li> <li>5. Students are able to use basic concept from mathematics and statistics to draw conclusion related to economic problems.</li> </ol>											
Topic	<ol style="list-style-type: none"> <li>1. Introduction to managerial concept</li> <li>2. Introduction to risks management</li> <li>3. Introduction to economic forecasting</li> </ol>											
Direct Assessment	<table border="1"> <thead> <tr> <th>Direct Assessment Plan</th> <th>Measured Learning Outcome</th> </tr> </thead> <tbody> <tr> <td>Individual Project</td> <td>LO1, LO2, LO3, LO4</td> </tr> <tr> <td>Team Project</td> <td>LO2, LO3</td> </tr> <tr> <td>Final Team Project</td> <td>LO1, LO2, LO5</td> </tr> <tr> <td>50% Class attendance</td> <td>LO1, LO2</td> </tr> </tbody> </table>		Direct Assessment Plan	Measured Learning Outcome	Individual Project	LO1, LO2, LO3, LO4	Team Project	LO2, LO3	Final Team Project	LO1, LO2, LO5	50% Class attendance	LO1, LO2
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Individual Project	LO1, LO2, LO3, LO4											
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50% Class attendance	LO1, LO2											
Indirect Assessment	Questionnaire (EDOM)											
References	<p>[1] Fayol, Henri. <i>General and industrial management</i>. Ravenio Books, 2016.</p> <p>[2] Simon, Herbert A. "The new science of management decision." (1960).</p>											