

MODULE HANDBOOK

Module name		Facility Planning and Layout Design																							
Module level, if applicable		3 rd year																							
Code, if applicable		SST-617																							
Semester(s) in which the module is taught		6 th (sixth)																							
Person responsible for the module		Dina Tri Utari, S.Si., M.Si.																							
Lecturer		Abdullah 'Azzam, S.T., M.T.																							
Language		Bahasa Indonesia																							
Relation to curriculum		Elective course in the third year (6 th semester) Bachelor Degree																							
Types of teaching and learning	Class size	Attendance time (hours per week per semester)	Form of active participation	Workload (hours per semester)																					
Lecture	50-60	2.5	Discussion	Face to face teaching	35																				
				Structured activities	48																				
				Independent study	48																				
				Exam	5																				
Total Workload		136 hours																							
Credit points		3 CUs / 5.1 ECTS																							
Requirements according to the examination regulations		Minimum attendance at lectures is 75%. Final score is evaluated based on quiz, assignment, mid-term exam, and final exam.																							
Recommended prerequisites		-																							
Related course		Statistical Consulting (SST-603)																							
Module objectives/intended learning outcomes		After completing this course, the students have ability to: CO 1. conduct experimental design for facility planning and layout design CO 2. collect data related to facility planning and layout design CO 3. document experimental designs that have been done CO 4. reuse the experimental designs that has been documented to be a clearer implementation																							
Content		Basic concept of facility layout Facility planning function Facility planning and layout design systematics Systematics of the facility planning and layout design: analysis techniques for material flow planning Planning for products, processes, and schedules Material handling Quantitative models of facility planning Design layout with computer																							
Study and examination requirements and forms of examination		<div>The final mark will be weighted as follows:</div> <table><tr><th>No</th><th>Assessment components</th><th>Assessment types</th><th>Weight (percentage)</th></tr><tr><td>1</td><td>CO 1</td><td></td><td>25%</td></tr><tr><td>2</td><td>CO 2</td><td></td><td>25%</td></tr><tr><td>3</td><td>CO 3</td><td></td><td>25%</td></tr><tr><td>4</td><td>CO 4</td><td></td><td>25%</td></tr></table>				No	Assessment components	Assessment types	Weight (percentage)	1	CO 1		25%	2	CO 2		25%	3	CO 3		25%	4	CO 4		25%
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1	CO 1		25%																						
2	CO 2		25%																						
3	CO 3		25%																						
4	CO 4		25%																						
Media employed		Google Classroom, relevant websites, slides (power points), video, interactive media, white-board, laptop, LCD projector																							
Reading list		1. Apple, J., M., Plant Layout and Material Handling, John Willey & Sons, New York 1977																							

