

MODULE HANDBOOK

Module name		Work Measurement & Method			
Module level, if applicable		2 nd year			
Code, if applicable		SST-411			
Semester(s) in which the module is taught		4 th (fourth)			
Person responsible for the module		Dina Tri Utari, S.Si., M.Sc.			
Lecturer		Muhammad Ragil Suryoputro, S.T., M.Sc.			
Language		Bahasa Indonesia			
Relation to curriculum		Elective course in the second year (4 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, Presentation	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		Production Planning & Control (SST-513)			
Module objectives/intended learning outcomes		After completing this course, the students have ability to: CO 1. do experimental design, collect and analyze anthropometric data, and study motion CO 2. calculate normal time, standard time, and standard output of direct and indirect measurement of working time CO 3. calculate energy consumption and rest time CO 4. apply methods and measurements of working time in the production system			
Content		The scope of work methods and measurements Productivity Introduction to sampling methods Principles of work method regulation (Ergonomics, Anthropometric Data, Motion study) Work measurement techniques (Direct and indirect measurement of working time, energy consumption) Application of work measurement and methods in the production system			
Study and examination requirements and forms of examination		The final mark will be weighted as follows:			
		No	Assessment components	Assessment Types	Weight (percentage)
		1	CO 1	Quiz	20%
		3	CO 2	Assignment, Midterm Exam	30%
		4	CO 3	Assignment, Final Exam	20%
		5	CO 4	Final Exam	30%

