

MODULE HANDBOOK

Module name		Production Systems			
Module level, if applicable		3 rd year			
Code, if applicable		SST-516			
Semester(s) in which the module is taught		5 th (fifth)			
Person responsible for the module		Dina Tri Utari, S.Si., M.Sc.			
Lecturer		Andrie Pasca Hendradewa, S.T., M.T.			
Language		Bahasa Indonesia			
Relation to curriculum		Elective course in the third year (5 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		Production Planning & Control (SST-513)			
Related course		Statistical Consulting (SST-603)			
Module objectives/intended learning outcomes		After completing this course, the students have ability to: CO 1. explain the production system and the Toyota production system CO 2. solve supply chain problems CO 3. solve supply and job order problems CO 4. solve project scheduling and planning problems			
Content		The scope of the production system Toyota Production System Supply Chain Management Inventory management Ordering jobs Scheduling Project Planning			
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	Oral examination	15%
		3	CO 2	Assignment, Midterm Exam	20%
		4	CO 3	Assignment	30%
		5	CO 4	Final Exam	35%
Media employed		Google Classroom, relevant websites, slides (power points), video, interactive media, white-board, laptop, LCD projector			
Reading list		1. Elsayed A. Elsayed, Thomas O. Bouncher, 1994, Analysis and Control of Production Systems, Edisi kedua, Prentice Hall, New Jersey 2. Heizer Jay, Render Barry, 2011, Operation Management, Edisi kesepuluh, Pretice Hall, New Jersey 3. Buffa Elwood S., Sarin Rakesh K., 1996, Manajemen Operasi & Produksi Modern. Edisi kedelapan, Bina Rupa Aksara, Jakarta			

Mapping CO, PLO, and ASIIN's SSC

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