




UNIVERSITAS AHMAD DAHLAN
FACULTY OF ECONOMICS AND BUSINESS
MANAGEMENT STUDY PROGRAM MASTER PROGRAM

Document Code:
FM-UAD-PBM-08-02/R1

SEMESTER LESSON PLAN

Courses	Course Code	Lecture Points	Weight (SKS)		Semester	Drafting Date
Advanced Operations Management	205110230	Advanced Operations Management	T = 3	P =	1	January 02, 2022
Authentication	RPS Development Lecturer		RMK Coordinator		Head of Study Program	
	 Dr. Aftoni Sutanto, S.E., M.Si		Dr. Fitroh Adilla, S.E., M.Si.		Dr. Aftoni Sutanto, S.E., M.Si.	
	CPL-Prodi charged on lecture points					
	CPL-02	Able to develop logical, critical, systematic, and creative thinking through scientific research, in the field of science and technology that pays attention to and applies humanities values in accordance with their field of expertise, compiles scientific conceptions and study results based on scientific rules, procedures, and ethics in the form of a thesis or other equivalent forms, and uploaded on the university website, as well as papers that have been published in accredited scientific journals or accepted in journals international.				
	CPL-03	Mastering the theory of corporate organizational functions, including strategy and operations, HRM, assets, finance, marketing, and production				
	CPL-4	Able to make organizational decisions including planning, organizing, preparing production schedules, directing, implementing and controlling as well as evaluation at the managerial level in various types of corporate organizations based on research using multidisciplinary concepts and methods;				
	Course Learning Outcomes (CPMK)					
CPMK1	Able to provide solutions to Operations Management problems of various types and levels of organizations.(CPL-02)					

	CPMK2	Able to apply scientific thinking, master concepts, theoretical, methods, and tools of Operations Management analysis. (CPL-03)		
	CPMK3	Able to make managerial decisions in the field of Operations Management and carry out appropriately in various types of organizations at the operational level. (CPL-04)		
	Final ability of each learning stage (Sub-CPMK)			
	Sub-CPMK1	Students are able to identify and analyze Operations Management problems in various types and levels of Organizations. (CPMK1)		
	Sub-CPMK2	Students understand and are able to explain the concepts, theories, strategies and analytical tools of Operations Management. (CPMK2)		
	Sub-CPMK3	Students are able to provide alternative managerial decisions in the field of Operations Management. (CPMK2 and CPMK3)		
	Correlation of CPMK to Sub-CPMK			
		Sub-CPMK1	Sub-CPMK2	Sub-CPMK3
	CPMK1	V		
	CPMK2		V	V
	CPMK3			V
Course brief description	Operations Management is designed to address how companies can gain sustainable competitive advantage through efficiency and productivity. This course is not only limited to discussing the production function, but also its role in strategic planning and decision making. Its functions include operational planning, production, efficiency and productivity of the enterprise. This course will also introduce students to corporate operations management in national and global contexts.			
Study Materials: Learning Materials	<ol style="list-style-type: none"> 1. Operations Strategy 2. Project Management 3. Forecasting 4. Product Design 5. Production Process Strategy 6. Layout and location strategy 7. Quality Management Strategy 8. Supply Chain Management 9. Inventory Management Strategy 10. Budget planning strategy 11. Material Requirement Planning 			

	<ul style="list-style-type: none"> 12. Enterprise resource planning 13. Short and long-term Scheduling Strategies 14. Just In Time 15. Maintenance and reliability
Book	Main: <ul style="list-style-type: none"> 1. Heizer, J., Render, B., Munson, C., Operations Management: Sustainability And supply Chain Management, 12th edition, , Pearson Education. 2017
	Supporter <ul style="list-style-type: none"> 1. Jack R . Meredith and Scott M. Shafer. Operations and Supply Chain Management for MBAs. Sixth Edition. John Wiley & Sons, Inc. 2016.
Lecturer	Dr. Aftoni Sutanto, M.Si.
Prerequisite	
Lecture Points	

Week to	Expected capability (Sub-CPMK)	Study materials/learning materials	Learning forms, methods, and experiences	Time (minutes)	Valuation		
					Technique	Indicator	Weight (%)
1,2	<p>Sub-CPMK 1 Students are able to explain concepts, theories, strategies and analysis tools of operations management.</p> <p>Sub-CPMK3 Students are able to provide project management analysis and forecasting. (CPMK2)</p>	<ol style="list-style-type: none"> 1. RPS exposure; MO study contract for one semester; Explanation of Project Tasks, Activities and Operations Management Strategies; Identify the basic concepts of operations management; Strategic decisions in an operation related to productivity 2. Explain project management; Explain forecasting 	Lecture and active Learning, Case discussion	3x50 3x50	<p>Written test in the midterm exam</p> <p>Presentation</p> <p>Classroom activeness</p>	<ol style="list-style-type: none"> 1. Explain1. MO challenge; Identifying the implications of MO strategy 2. Explain Project Management and Forecasting 	15%
3	<p>Sub-CPMK 2</p> <ul style="list-style-type: none"> • Students are able to identify and analyze operations design concepts &; related to Quality management 	<ol style="list-style-type: none"> 3. New product planning &; product development; Product and service design and development; Product design and development 	Lectures and active learning, Discussion	3x50	<p>Presentation</p> <p>Written assignments</p> <p>Classroom activeness</p>	<p>Explain new product planning &; product development; Product and service design and development; Product design and development</p>	10%
4	<p>Sub-CPMK 2 Students are able to identify and analyze</p>	<ol style="list-style-type: none"> 4. Analisis Statistical Process Control; Implementasi TQM, ISO, Six Sigma, Malcom Balbrige 	Lecture and active Learning, Discusi	3x50	Written test in the midterm exam	Explain statistical process control analysis; Implementation of TQM, ISO, Six	5%

	operating models & quality management				Presentation Classroom activeness	Sigma, Malcom Balbrige	
5	Sub-CPMK 3 Students are able to provide analysis of production process strategies and capacity planning. (CPMK2)	5. Designing production processes; Operations design is associated with quality management	Lecture and active Learning, Discusi	3x50	Written test in the midterm exam Presentation Classroom activeness	Able to design production processes; Operations design is associated with quality management	5%
6	Sub-CPMK2 Students are able to identify and analyze site management strategies and layout management	6. Analyze site location management strategy; Analysis of factory layout management that supports the efficiency and effectiveness of operational processes.	Lecture and active Learning, Discusi	3x50	Written test in the midterm exam Presentation Classroom activeness	Explain the analysis of location location strategy management; Analysis of factory layout management that supports the efficiency and effectiveness of operational processes.	5%
7	Sub-CPMK 2 Students are able to identify and analyze operations management problems and are able to conclude about operations design & quality management.	7. Analysis of production quality management strategies and able to analyze operations management strategies and quality management	Lecture and active Learning, Case discussion	3x50	Written test in the midterm exam Presentation Classroom activeness	Explain the analysis of production quality management strategies and be able to analyze operations management strategies and	5%

						quality management	
8	MIDTERMS						
9	Sub-CPMK 3 Students are able to provide supply chain management analysis. (CPMK2)	9. Supply chain management strategy analysis	Lecture and active Learning, Video, case discussion	3x50	Written assignments Presentation Classroom activeness	Explain Supply chain management strategy analysis	5%
10	Sub-CPMK 2 Students are able to analyze Inventory Management strategies.	10. Analysis of inventory management strategies of manufacturing companies; Inventory management methods; Calculate inventory needs based on available inventory models	Lecture and active Learning, Discusi	3x50	Written assignments Presentation Classroom activeness	Explain the analysis of inventory management strategies of manufacturing companies; Inventory management methods; Calculate inventory needs based on available inventory models	5%
11	Sub-CPMK 3 Students are able to provide alternative strategic decisions for budget planning. (CPMK2)	11. Analyze aggregate planning needs; Calculating Aggregate planning within the company	Lecture and active Learning. Case Discussion	3x50 3x50	Written test in the midterm exam Presentation Classroom activeness	Able to explain and analyze aggregate planning needs; Calculating Aggregate planning within the company	10%
12, 13	Sub-CPMK 3	12. Basic concepts of MRP; Integration of	Lecture and active Learning	3x50	Written assignments	1. Able to explain the basic concepts	10%

	Mahasiswa mampu menganalisis Material Resources Palnning dan Requirement Resources Palnning. (CPMK2)	13. management functions with information systems and technology Business process analysis on each business unit; The development of ERP technology today			Presentation Classroom activeness	of MRP; Integration of management functions with information systems and technology 2. Able to explain and analyze business processes in each business unit; The development of ERP technology today	
14	Sub-CPMK 2 Students are able to identify and analyze short-term scheduling strategies.	14. Linking the production process with short-term scheduling of the production process; Process identification of short-term scheduling needs	Lecture and active Learning	3x50	Presentation Classroom activeness	Able to explain and link the production process with short-term scheduling of the production process; Process identification of short-term scheduling needs	5%
15	Sub-CPMK 2 Students are able to identify and analyze Just In Time and reliability maintenance processes	15. Just in time strategy and lean production process; Maintenance process strategy; Reliability analysis strategy	Lecture and active Learning	3x50	Presentation Classroom activeness	Explain just in time strategies and lean production processes; Maintenance process strategy; Reliability analysis strategy	5%
16	FINAL SEMESTER TEST						

Appendix 2: Student CPL Achievement Assessment and Evaluation Portfolio


Mg	CPL	CPMK (CLO)	Sub-CPMK (LLO)	Indicator	Question form – Weights (%)		Weight (%) Sub-CPMK	Mhs value (0-100)	$\Sigma((\text{Value mhs}) \times (\text{Bobot } \%)$	Attainment CPL on MK (%)
1,2	CPL2 CPL3 CPL4	CPMK1 CPMK2	Sub-CPMK-1 Sub-CPMK-2	I-1.1 I-1.2	Task-1 Soal Esay AMABLE	5 5	10			
3	CPL2 CPL3	CPMK2 CPMK3	Sub-CPMK-2 Sub-CPMK-3	I-2.1 I-2.2 I-2.3	Task-2 Soal Esay AMABLE	5 10	15			
4	CPL3 CPL2	CPMK3 CPMK2	Sub-CPMK-3 Sub-CPMK-2	I-3.1 I-3.2 I-3.3	Task-3 Soal Esay AMABLE	5 10	15			
5	CPL3 CPL2	CPMK3 CPMK2	Sub-CPMK-3 Sub-CPMK-2	I-3.1 I-3.2 I-3.3	Task-3 Soal Esay AMABLE	5 10	15			
6	CPL3 CPL2	CPMK3 CPMK2	Sub-CPMK-3 Sub-CPMK-2	I-3.1 I-3.2 I-3.3	Task-3 Soal Esay AMABLE	5 10	15			
7	CPL2 CPL3	CPMK3 CPMK2	Sub-CPMK-3	I-4.1 I-4.2	Task-4 Soal Esay AMABLE	5	5			
8	Midterm Evaluation									

9	CPL2 CPL3	CPMK3	Sub- CPMK-3	I-5.1 I-5.2 I-5.3	Task-5 Soal Esay WHO	5 15	20			
10	CP12 CPL3	CPMK3 CPMK2	Sub- CPMK-3 Sub- CPMK-2	I-6.1 I-6.2 I-6.3 I-6.4	Task-6 Soal Esay WHO	5 15	20			
11	CP12 CPL3	CPMK3 CPMK2	Sub- CPMK-3 Sub- CPMK-2	I-6.1 I-6.2 I-6.3 I-6.4	Task-6 Soal Esay WHO	5 15	20			
12,1 3	CP12 CPL3	CPMK3 CPMK2	Sub- CPMK-3 Sub- CPMK-2	I-6.1 I-6.2 I-6.3 I-6.4	Task-6 Soal Esay WHO	5 15	20			
14	CP12 CPL3	CPMK3 CPMK2	Sub- CPMK-3 Sub- CPMK-2	I-6.1 I-6.2 I-6.3 I-6.4	Task-6 Soal Esay WHO	5 15	20			
15	CPL3	CPKM2	Sub- CPMK2	I-7.1 I-7.2	Task-7 Soal Esay WHO	10	10			
16	End of Semester Evaluation									
Total Weight (%)						100	100			
Final Student Grade ($\Sigma(\text{MHS Score}) \times (\text{Weight \%})$)										

Student CPL Achievement Assessment and Evaluation Portfolio

No.	CPL on MK – Operations Management	Access value (0 s.d. 100)	CPL accessibility to MK (%)
1	CPL 3 Mastering the theory of corporate organizational functions, including operational management strategies of HR, assets, finance, marketing, and production		
2	CPL 2 Able to develop logical, critical, systematic, and creative thinking through scientific research, in the field of science and technology that pays attention to and applies humanities values in accordance with their field of expertise, compiles scientific conceptions and study results based on scientific rules, procedures, and ethics in the form of a thesis or other equivalent forms, and uploaded on the university website, as well as papers that have been published in accredited scientific journals or accepted in international journals.		
3	CPL 4 Able to make organizational decisions including planning, organizing, staffing, directing, implementing and controlling as well as evaluation at the managerial level in various types of corporate organizations based on research using multidisciplinary concepts and methods;		

Appendix 3: Sample Student Assignment Plan Form

	UNIVERSITAS AHMAD DAHLAN FACULTY OF ECONOMICS AND BUSINESS MASTER OF MANAGEMENT STUDY PROGRAM				
	STUDENT ASSIGNMENT PLAN				
COURSES	Operations Management (Advanced)				
CODE	5110430	Credits	3	Semester	1
LECTURER	Dr. Aftoni Sutanto, SE., M.Si				
TASK FORM					
Written Assignments					
TASK TITLE					
Task: Analyze the approach of quality management strategy.					
SUB LEARNING OUTCOMES OF COURSES					
Sub-CPMK4: Memahami <i>Quality Management, Total Quality Management, Quality Assurance. Quality Control</i> , (C2; C4) (CPMK3, CPMK4)					
TASK DESCRIPTION					
This task aims to enable students to explain component 2 in <i>Quality Management, Total Quality Management, Quality Assurance. Quality Control</i> .					
TASK EXECUTION METHOD					
<ol style="list-style-type: none"> 1. Read textbooks, see videos related to <i>Quality Management</i>. 2. Answer questions given related to <i>Quality Management</i>. 					
EXTERNAL SHAPES AND FORMATS					
a. Objects of Garapan: -					
b. External forms:					
<ol style="list-style-type: none"> 1. Written report. 					
INDICATORS, CRETERIA AND ASSESSMENT WEIGHTS					

- a. Describe the components of *Quality Management* (10%)
- b. Describe approach2 in *Quality Management* (40%)
- c. Analyze the application of these approaches in *Quality Management*. (50%)

SCHEDULE

Title and Framework Setting	May 1, 2023
Task External Collection	May 17, 2023

OTHER

The assessment weight of this task is 5% of the 100% assessment of this course;
 Tasks are worked on and presented independently;

REFERENCE LIST

1. Heizer, J., Render, B., Munson, C., **Operations Management: Sustainability And supply Chain Management**, 12th edition, , Pearson Education. 2017
2. Jack R. Meredith and Scott M. Shafer. **Operations and Supply Chain Management for MBAs**. Sixth Edition. John Wiley & Sons, Inc. 2016.

Holistic Rubric Task: Analyzing *Quality Management Approaches*

Grade	Score	Judging Criteria
Very lacking	<20	The task report presented is irregular and unable to answer the questions ² given.
Less	21 - 40	The assignment report is poorly presented and is only able to answer a small part of the questions ² given.
Enough	41 - 60	The assignment report is presented well enough and is capable enough to answer half of the questions ² given.
Good	61 - 80	The task report is well presented and able to answer most of the questions given
Excellent	>81	The task report is very well presented and able to comprehensively answer the questions ² given.

Student Grade List

No	NIM	Name	Score (0-100)
1			
2			
3			
...			

Example of Perception Scale Rubric Form for Presentation Assessment

Assessed Aspects/Dimensions	Very Lacking	Less	Enough	Good	Excellent
	< 20	(21-40)	(41-60)	(61-80)	≥ 81
<p>Preparation</p> <p>Ensure that there will be no technical problems during the presentation.</p> <p>Ensure presentations start on time</p>					
<p>Presentation Media</p> <p>Ensure that media presentations (ppt, video, mic) are interesting</p>					
<p>Material Mastery</p> <p>Make sure the content of the presentation is on topic.</p> <p>Ensure the depth of the topic.</p>					
<p>Presentation Mastering Skills</p> <p>Respond to inquiries</p> <p>Answer questions</p> <p>Maintain presentation conditions</p>					
<p>Topic Evidence</p> <p>Able to give real examples of the topic.</p>					