

Course Description Form Production and Operations Management

1. Course Name:	
Production & Operations Management	
2. Course Code:	
WBA-41-01	
3. Semester/Year:	
The first course	
4. Date of preparation of this description:	
15/9/2025	
5. Available Forms of Attendance:	
Physical + electronic (when needed)	
6. Number of Hours (Total) / Number of Units (Total):	
3 Hours / 3 Units	
7. Course Administrator Name	
Name: Prof. Dr. Hussein Mohamed Ali Kashkool Email: hussain.ka@uowa.edu.iq	
8. Course Objectives	
<ul style="list-style-type: none"> ✓ Provide the student with the basic concepts in production and operations management and their importance in the business environment. ✓ Introducing the student to the different characteristics and types of productivity and their recent developments. ✓ Providing students with the ability to understand and apply operations strategies and strategic planning for products and services. ✓ Training the student on the methods of forecasting demand (qualitative and quantitative) and analyzing the factors affecting it. ✓ Enable the student to identify the strategies for product development, the quality of its design, and its role in competitive advantage. ✓ Providing students with practical skills in process planning, energy planning, plant site selection, and interior 	<p style="color: red; font-weight: bold; font-size: 1.2em;">Course Objectives</p>

arrangement design. ✓ Preparing students to face operational challenges in productive and service organizations according to modern scientific foundations.	
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9. Teaching and Learning Strategies

<ul style="list-style-type: none"> ✓ Theoretical lectures supported by practical examples. ✓ Class discussions and analysis of real-world case studies. ✓ Applied Projects (Short Reports and Researches). ✓ Training in the use of quantitative methods for forecasting and decision-making. ✓ E-learning through digital resources and educational videos. 	Strategy
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10. Course Structure

Evaluation Method	Learning Method	Name of Unit or Topic	Required Learning Outcomes	Hours	Week
Oral questions	Lecture + Discussion	Introduction to Production and Operations Management: Concept and Characteristics	Recognize the basic concepts and characteristics	3	1
Short Test	Lecture + Examples	Productivity: Goals and Types	Distinguish productivity goals and types	3	2
Short Report	Lecture + Participation	Strategic Planning: Operations Strategy	Understanding Operations Strategies	3	3
duty	Lecture + Discussion	Product/Service Planning & Development (1)	Understand the scope of planning and competitive advantage	3	4
duty	Lecture + Exercise	Demand forecasting: general considerations and time dimensions	Identify demand forecasting considerations	3	5
Short Test	Lecture + Case Study	Demand Forecasting: Influencing Factors and Steps	Identify the factors affecting demand	3	6
duty	Lecture + Training	Demand forecasting: qualitative methods	Comparison of Qualitative Methods of Forecasting	3	7
Monthly Testing	Lecture + Practical Exercise	Demand Forecasting: Quantitative Methods	Application of quantitative methods of forecasting	3	8
Short Report	Lecture + Discussion	Product/Service Planning & Development (2)	Understanding Product Development Processes	3	9
duty	Lecture + Practical Examples	Process Planning & Design	Learn about process design and strategies	3	10
Short Test	Lecture + Training	Energy Planning: Types and Metrics	Understanding Energy Planning	3	11
duty	Lecture + Case Study	Choosing a plant site: concepts and factors	Site Selection Analysis	3	12

report	Lecture + Training	Plant Internal Arrangement: Concept and Types	Distinguish between types of internal arrangement	3	13
Classroom Participation	Review + Exercises	General Course Review	Comprehensive review and summary	3	14
Final exam	Written	Final Exam	Final test	3	15

11. Course Evaluation

Distribute the score out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, and written exams, and reports..... etc

I. Class Preparation and Participation: 10 marks

II. Short Tests: 10 Marks

III. Reports and Assignments: 10 Marks

IV. Monthly Test: 20 Marks

V. Final Exam: 50

VI. Total = 100 Marks

12. Learning and Teaching Resources

Production and Operations Management, Dr. Abdulkarim Mohsen and Dr. Sabah Majeed Al-Najjar, 2012, Fourth Edition – Memory for Publishing and Distribution.	Required Textbooks
A. Heizer, J. & Render, B., Operations Management. B. Stevenson, W. J., Operations Management	Key references
Production and Operations Management, Hakim Mohsen Mohammed, 2006, First Edition	Recommended books and references
Scientific journals and research related to production management and operations	Electronic References, Websites