

وزارة التعليم العالي والبحث العلمي
جهاز الإشراف والتقويم العلمي
دائرة ضمان الجودة والاعتماد الأكاديمي

استمارة وصف البرنامج الأكاديمي للكليات والمعاهد للعام الدراسي 2025-2024

الجامعة : جامعة شط العرب الاهلية
الكلية /المعهد : الإدارة واقتصاد
القسم العلمي : إدارة الاعمال

تاريخ ملء الملف : 2024/9/1

التوقيع :
اسم المعاون العلمي: د. عبد الله عبد الله
التاريخ : ٢٠٢٤/٩/١

التوقيع :
اسم رئيس القسم : د. عبد الله عبد الله
التاريخ : ٢٠٢٤/٩/١

دقق الملف من قبل
شعبة ضمان الجودة والأداء الجامعي
اسم مدير شعبة ضمان الجودة والأداء الجامعي:
التاريخ : / /

أستاذ الدكتور محمد عبود ظاهر الظلوم
رئيس شعبة ضمان الجودة والأداء الجامعي

مصادقة السيد العميد

مصادقة السيد العميد
د. عبد الله عبد الله



Ministry of Higher Education and Scientific Research

Supervision and Scientific Evaluation Body

Quality Assurance and Academic Accreditation Office

course description form

Course description

The description of this program provides a brief tutorial and a learning assistant

Educational institution	Shatt Al-Arab University –administration and economic college	
Scientific Department / Center	Business Administration Department	
Instructor's name	Prof. Dr. Hani Fadhil Jumaah Al-Shawi	
Course name / code	Production and operation management	
Available forms of attendance	Weekly / theoretical	
season/year	The course system	
Total number of hours of study	45 hours	
The date this description was prepared	1/9/2024	
9. Objectives of the course		
1. Defining the areas of benefiting from concepts related to production and economic management in administrative practices		
2. Develop students' mental abilities in the theoretical and quantitative fields by describing the course of managing an production and operation management science in which there are many quantitative and qualitative applications and the formation of an overall understanding of them.		
3. Develop awareness about all its non-quantitative fields, which contribute to the development of the reality of administrative practices.		
10. Course outcomes and methods of teaching, learning and assessment		
A. Cognitive goals		
1. Review the knowledge bases for everything related to production science		
2. Its origins, characteristics and types for the goods and services		
3. And related methodological applications of arithmetic principles		
Quantitative and qualitative risk, its types and techniques		
4. Building its efficiency, and introducing its management methods		
5. Calculating the correlation and regression and beta and other methods and t -signals and production capacity strategy		
B. Course specific objectives		
1. Providing the student with the skills to distinguish between types of decision in production management science		
2. Providing the student with the skills of calculating the kinds of productivity index		
3. Providing the student with quantitative skills about decision-making methods in operation and production science		
c. Emotional and value goals		

1. Giving students confidence in their theoretical and quantitative capabilities in how to build an efficient in index productivity 2. How to take sequential steps to build optimal efficiency and productivity and effectiveness 3. How to forecasting the seals 4. Identifying the types of transaction methods				
D. Transferred general and qualification skills (other skills related to employability and personal development) 1. Verbal communication 2. Quantitative and qualitative verification and analysis 3. Appropriate formulation of productivity methods and preparation of reports related to productivity kinds and other methods in production science.				
e. Teaching and learning methods Various quantitative, qualitative, descriptive and production and operations lectures and means data show				
w. Evaluation methods Sudden daily assessment quize - quarterly and monthly exams - final assessment - presentations - reports - various class and extracurricular activities - attendance and absence - group and individual research and brief and brief reports. Oral and written tests. The grades are divided as follows First: Activities during the semester 20% Secondly: - the written semester exam 20% Third:- Final exam 60%				
<h2>11. Course Structure</h2>				
week	date	Theoretical material	Scientific material	Notes
1	4-10-2022	The concept of production and operations (types of industries, extractive, aggregate, mixture and the like, and approaches to the study of production and operations) system entrance, job entrance and ten decisions entrance) basics, concepts, entrances and decisions production and operations	The concept of production and operations (types of industries, extractive, aggregate, mixture and the like, and approaches to the study of production and operations) system entrance, job entrance and ten decisions entrance) basics, concepts, entrances and decisions production and operations	
2	2022-10-11	The concept of transfer operations, the difference between the transferred resource and the transformed resource, the difference between service and commodity, and methods of increasing productivity quantitatively and theoretically. Referring in general to the meaning	The concept of transfer operations, the difference between the transferred resource and the transformed resource, the difference between service and commodity, and methods of increasing productivity quantitatively	Quantitative applications in methods of increasing productivity

		of production and productivity, while talking theoretically about other related measures	and theoretically. Referring in general to the meaning of production and productivity, while talking theoretically about other related measures	
3	2022-10-18	The system and its components and the difference between the commodity system and the service and mixed system	The system and its components and the difference between the commodity system and the service and mixed system	Illustrations on the board
4	2024-9-23	Production, productivity and its indicators efficiency and effectiveness indicators And the difference between them and types of productivity and productivity developed. In addition to passing on the issue of the fusion of the commodity system with the service system		Quantitative applications With pumping exercises and solving many exercises with the lecture homework for students
5	2024-9-30	Activities Responsible for Production and Operations Management direct and indirect		Illustrative charts on the board
6	2024-10-7	production management goals Such as specialized goals and performance goals (flexibility, speed, low cost, creativity, quality and reliability. (Detailed explanation and repeat
7	2024-10-14	Production and Operations Management Strategies Inner and outer balance Internal and external support	14/12/2021	For the purpose of understanding the idea well by the students
8	2024-10-21	Internal and external failure costs, prevention and correction		Delving into the strategic interpretation and the stages of preparing production strategies and operations, according to the size, philosophy and nature of the organization's production.

9	2024-10-29	Maintenance, its importance, objectives and types, and the difference between curative, preventive and parallel, consecutive and mixed maintenance Traditional and engineering availability, number of outages and lack of abundance		Exercises on types of maintenance, many home duties, and solving final questions related to maintenance
10	2024-11-5	Forecasting sales demand		And give gas, different topics in it
11	11-12	Qualitative methods for forecasting demand		A comprehensive explanation of all qualitative methods such as the Delphi method and estimates of salesmen Executive governance (committees) and market research by collecting data via a questionnaire Clarify the types of research such as comparative, historical, exploratory, case study, and experimental study
12	11-19	Quantitative methods for forecasting demand	Moving and weighted averages	Intense exercises and homework
13	2024-11-26	Calculation of the overtaking signal t.s. With the drawing of the upper, middle and lower control limits for overtaking and the electronic whistle when an overtaking signal appears.	and exponential boot	Illustrative tables for extracting the overtaking signal with the illustration of the signal exceeding the permissible control limits and the whistle blowing with the drawing of the out-of-bounds signals
14	2024-11-31	Location and factors affecting its choice	qualitative methods and quantitative methods	Exercises on how to extract the favorite site Like the weighted qualitative factors method and the local break-even point method And the total cost method and center of gravity method

				And the method - loads - distance
		Methods of site selection qualitative methods		exercises
		Quantitative Methods	The start of the first semester exams.	exercises
		The internal arrangement of the site	A detailed explanation of the advantages, characteristics and disadvantages	exercises
		Types of internal arrangement of the factory layout facility	Each type has requirements and mechanisms that are explained to students in detail	exercises
		Quantitative applications of internal ordering	With the objectives of each type and its importance	exercises
		Sort by process		exercises
		Sort by product		exercises
		Ranking based on fixed project		exercises
		Hybrid arrangement		Illustration with drawing and detailed explanation, such as hospitals and restaurants
		Arranging warehouses quantitatively		Quantitative exercises with illustrations
		Production line balancing, balancing phenomenon, wasted time, delay time and suffocation phenomenon		Quantitative exercises with illustrative charts
		grid flow chart		Network technology exercises and diagrams
		Calculation of average production cycle time		Applied mathematical equations and formulas
		Calculate the total delay time for each station		exercises
		Succession and its problems and methods (Johnson tabular and graphical)	First up first run first . method Shortest running time longest time method	Schemes found

			Early due date method C.R critical ratio method	
15	2025-1-24	Production capacity and its types and methods of calculating each type	total energy and theory and depleted and excluded and design system energy and reserved power indicators and excluded Calculating the number of machines required to carry out orders	Quantitative exercises
		Energy Strategies (Energy Management, Demand Management Approach)	Energy on demand Energy is less than demand Balance with demand and energy	exercises
	2025-1-29	overall planning and strategies	pure strategy	Quantitative exercises

12. Infrastructure

1. Required course books

PRODUCTION Management: Dr. AL NAJAR SABAH AND ABD- AL-KRAEEM MEHSEN 2006.BAGHDAD .IRAQ.

2. Main Books References (auxiliary resources)

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	NOPERATION MANAGEMENT BY portfolio, written by Dr. Hani Fadhil Al-Shawi2018 .
A. Scientific journals and recommended reports	Scientific and specialized journals in the field of PRODUCTION management and advanced OPERATIONS management
B. Electronic references	Websites specialized in the operation AND PRODUCTION MANAGEMENT SCIENCE
13. Curriculum development plan Adding vocabulary about futures contracts, production management science and demand forecasting methods to achieve more and more sobriety in the curriculum by not exceeding 5%	



Assistant Lecturer

Hani Fadhil Jumaah



Head of Deptment

D.r Zain AlAbidean J. Mohammed

عليه تعليق [ALG1]: