## السيد رئيس قسم هندسة تقنيات التبريد والتكييف

## م/ وصف المقررات الدراسية

تحية طيبة....

نرفق لكم ربطاً وصف المقررات الدراسية للمواد الدراسية في القسم للتفضل بالمصادقة عليها.

## مع فائق الاحترام والتقدير ....

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م.م. ولاء ناصر عباس مسؤول ضمان الجودة في الكلية 24 - 24 / 3 / 9 /

العربيدالاتم المن .

العرب علي الدرن اللجنه الله المن في من شاشت الدرن اللجنه الله الله المن فرود ومصل الالذم من من معاونه فرود .

مع الند المورات ولا يم الله المواد .

## **Course Description Form**

industrial enging development.  2. Studying the and plant locate 3. Studying the planning using research.	1.0	
2. Course Code:  MPAC405  3. Semester / Year: Fourth stage/yearly  4. Description Preparation Date: 22-3-2024  5. Available Attendance Forms: Weekly / theoretical  6. Number of Credit Hours (Total) / Number of Units (Total)  60 hours  7. Course administrator's name (mention all, if more than one name) Name: Dr. Hussein salim Email: hussein.kt@uowa.edu.iq  8. Course Objectives  1. Identify the industrial enging development. 2. Studying the and plant location 3. Studying the planning using research. 4- studying the methods used in 5- controlling in the methods used in 5- controlling in the set of the methods used in 5- controlling in the industrial end in the industrial	1. Course Name:	
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9. Teaching and Learning Strategies		
Strategy 1. Lectures (power point)	Strategy 1. Lectures (power point)	
2. Use of weight board.	2. Use of weight board.	
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Week	Hours	Required	Unit or	Learning		
VVEEN	nours	Learning	subject	method		
		Outcomes	name	mounou		·
1st week		The student	Introduction	Theoretica	H	(
1st week	2 Theoretical	understands the subject	to industrial engineering.	Theoretica		
2-3	2 Theoretical	The student understands the subject	Using operation research in production planning (linear programming methods).	Theoretica		C
4-5	2 Theoretical	The student understands the subject	Using operation research in production planning (simplex programming method).	Theoretica		q
6	2 Theoretical	The student understands the subject	Selection of plant location	Theoretica		q
7-8	2 Theoretical	The student understands the subject	Plant layout	Theoretica		q
9-10	2 Theoretical	The student understands the subject	Motion and time study	Theoretica		q
11-12	2 Theoretical	The student understands the subject	Feasibility study	Theoretica		q
13-14	2 Theoretical	The student understands the subject	Maintenance and replacement	Theoretica		q
15-16	2 Theoretical	The student understands the subject	Resources management	Theoretica		q
17-18	2 Theoretical	The student understands the subject	Definition and introduction to quality control	Theoretica		q
19-20	2 Theoretical	The student understands the subject	Objectives and functions of quality control	Theoretica		q
21-22	2 Theoretical	The student understands the subject	Economics of quality control	Theoretica		q
23-24	2 Theoretical	The student understands the subject	Statistic principles	Theoretica		q
25-26	2 Theoretical	The student understands the subject	Quality control charts	Theoretica		q

27-28	2 Theoretical	The student understands the subject	Probability theory and using in QC	Theoretica	C
29	2 Theoretical	The student understands the subject	Probability distributions	Theoretica	C
30	2 Theoretical	The student understands the subject	Sampling programs and inspection by samples	Theoretica	(
Course					
Evaluation					
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc					
Learning and	Introduction to industrial engineering				
Teaching					
Resources					
Required textbooks (curricular books, if any)	Production planning and control				
Main	Operation research				
references	•				
(sources)					
Recommended	https://highperformancehvac.com/industrail				
books and	engineering, operation research				
references	and production planning.				
(scientific					
journals,					
reports)					

Electronic	https://highperformancehvac.com/control-circuits-for-hvac-systems/				Ī
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Websites					
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