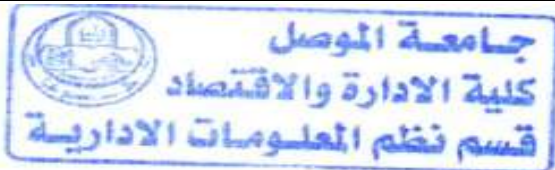


Course Description Form / Third Stage / First Semester

University: Mosul, College: Administration and Economics, Department: Management
Information Systems

Course Description Form

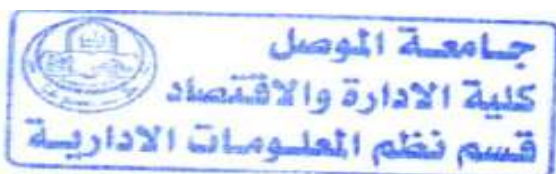
1. Course Name:	
Administrative Communications	
2. Course Code:	
AEMI24_F301	
3. Semester / Year:	
2025-2026	
4. Description Preparation Date:	
15/4/2025	
5. Available Attendance Forms:	
In the Classroom	
6. Number of Credit Hours (Total) / Number of Units (Total)	
30 hours	
7. Course administrator's name (mention all, if more than one name)	
Name: Mohammed A. M. Hamokhalil	
Email: mohammed_hamokhalil@uomosul.ed.iq	
8. Course Objectives	
Course Objectives	<ol style="list-style-type: none">1. Providing the student with artistic skills in the subject of administrative communications2. Identify administrative communication systems with their various models.3. Focus on communications through computer networks and their applications.4. clear the role it allows for administrative communications in improving performance and creative behavior.
9. Teaching and Learning Strategies	



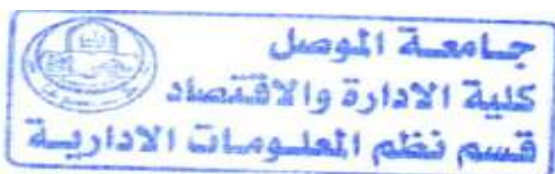
Strategy	<p>1- Scientific lectures.</p> <p>2- Duties.</p> <p>3- Positive interaction and participation (by involving the student in the lecture).</p> <p>4- Preparing reports.</p> <p>5- Quizzes.</p> <p>6- Draw illustrative diagrams to consolidate the student's understanding of the topic</p>
-----------------	---

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2		Communication systems, concept ,components	Explaining in the lecture	Q&A discussion
2	2		The Basic approaches to studying communications systems	Lecture and discussion	Q&A
3	2		The nature of communications in the organization , the determinants and success factors of effective communication	Lecture and discussion	Q&A and quizzes
4	2		Types of communication within groups and types of communication within the organization	Lecture and discussion	Q&A and discussion



5	2		Communications problems in systems, their determinants, communications problems in the network, and the mechanism for dealing with them	Lecture and discussion	Q&A and quizzes
6	2		Communication networks	Lecture and discussion	Q&A and quizzes
7	2		Communication forms	Lecture and discussion	Q&A and discussion
8	2		Transformation in digital administrative communications	Lecture and discussion	Q&A and quizzes
9	2		Communication devices and equipment	Lecture and discussion	Q&A
10	2		Communication devices and equipment	Lecture and discussion	Q&A
11	2		computer networks	Lecture and discussion	Q&A
12	2		Basic concepts in networks	Lecture and discussion	Q&A and quizzes
13	2		The role of administrative communications in improving the organization's performance	Lecture and discussion	Q&A
14	2		Administrative communication	Lecture and discussion	Q&A and quizzes



			and creative behavior		
15	2		Exam		Applied exercises and Exam

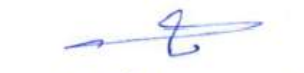
11.Course Evaluation

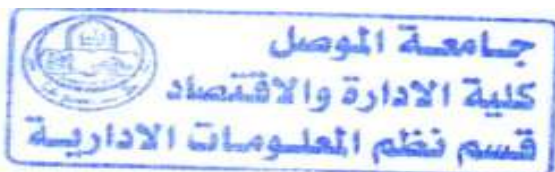
- 1- Final exams 60%
- 2- monthly tests 20%
- 3- assignments 10%
- 4- class contribution 10%

12.Learning and Teaching Resources

- 1- الشماع ، خليل ، 1991 ، مبادئ ادارة الاعمال ، دار ابن الاثير للطباعة والنشر ، جامعة الموصل،الموصل،العراق.
- 2- الحمامي، علاء حسين وهاشم، سكينه حسن،2010 ، اساسيات وتكنولوجيا شبكات الحاسوب، اثناء للنشر والتوزيع ، عمان، الاردن.
- 3- الطائي ، محمد عبد حسين ، 2014 ، المدخل الى نظم المعلومات الادارية ، وائل للطباعة والتوزيع، عمان ، الاردن.

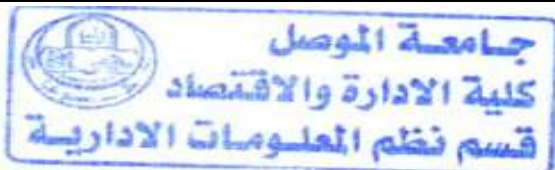

 أ.م.د. مervan محمد الازرقار
 رئيس قسم نظم المعلومات الادارية


 محمد عبد الرزاق محمد

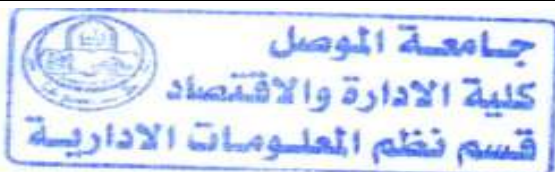


Course Description Form

1. Course Name:					
Electronic business					
2. Course Code:					
AEMI24_F303					
3. Semester / Year:					
2025-2026					
4. Description Preparation Date:					
1/9/2025					
5. Available Attendance Forms:					
In the Classroom					
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. ZAID FAWZI AYOOB					
Email: Zaid_fawzy@uomosul.edu.iq					
8. Course Objectives					
Course Objectives		Providing the student with the understanding and ability to move organizations towards adopting electronic business and applying systems that help distinguish their performance in the era of globalization.			
9. Teaching and Learning Strategies					
Strategy		<ul style="list-style-type: none"> The lecture: consists of theoretical explanations of the basic concepts of scientific research Case studies: They are a group of problems adapted from organizations Active listening Self-criticism information analysis Remembering Expanding the student's knowledge of different methodological sources			
10. Course Structure					
Week	Hours	Required	Unit or subject	Learning	Evaluation



		Learning Outcomes	name	method	method
1	3		Introduction to electronic business1	Explaining in the lecture	Q&A discussion
2	3		Introduction to electronic business2	Lecture and discussion	Q&A
3	3		Value chain in electronic business	Lecture and discussion	Q&A and quizzes
4	3		Information technology in electronic business	Lecture and discussion	Q&A and discussion
5	3		Electronic business models	Lecture and discussion	Q&A and quizzes
6	3		Electronic business models	Lecture and discussion	Q&A and quizzes
7	3		Electronic structure 1	Lecture and discussion	Q&A and discussion
8	3		Electronic structure 2	Lecture and discussion	Q&A and quizzes
9	3		E-business strategy 1	Lecture and discussion	Applied exercises and Exam
10	3		E-business strategy 2	Lecture and discussion	Q&A
11	3		Levels of e-business development	Lecture and discussion	Q&A
12	3		Change management for	Lecture and discussion	Q&A and quizzes



			e-business		
13	3		Case studies1	Lecture and discussion	Q&A
14	3		Case studies2	Lecture and discussion	Q&A and quizzes
15	3		Exam + discussion	Lecture and discussion	Applied exercises and Exam

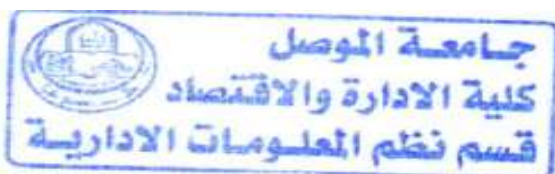
11.Course Evaluation

- 1- Final exams 60%
- 2- monthly tests 20%
- 3- assignments 10%
- 4- class contribution 10%

12.Learning and Teaching Resources

Dave Chaffey,2010,E-Bussiness&E-Commerce Management: ,prentice-Hall & practice Strategy implementation

	الطيبي، خضر مصباح(2008) التجارة الالكترونية والاعمال الالكترونية ،دار الحامد للنشر والتوزيع	كتاب مساعد	1
	سعد غالب ياسين ، 2001، الاعمال الإلكترونية ، دار المناهج للنشر	كتاب مساعد	2
	سعد غالب ياسين ، 2009، الادارة الالكترونية ، دار اليازوري العلمية للنشر والتوزيع	كتاب مساعد	3

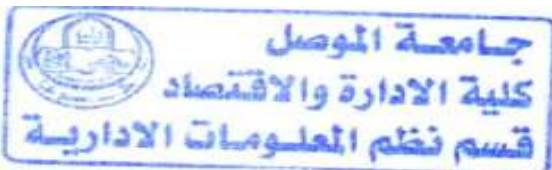




أ.م. د. رمضان محمد الإبراهيمي
رئيس قسم نظم المعلومات الإدارية

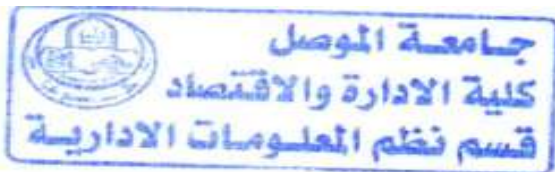


د.م. زيهد فوزي أيوب

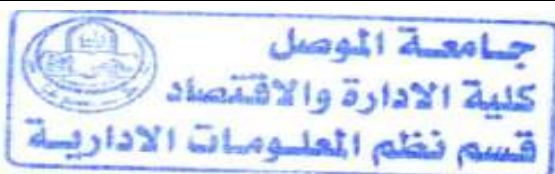


Course Description Form

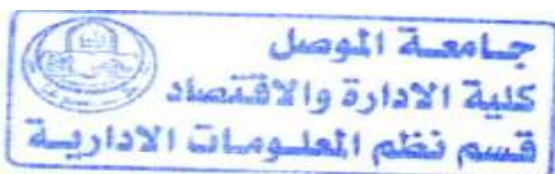
Course name and academic level .
Third / Information Systems Analysis and Design
Course code .
AEMI25_F305
Semester/Year .
2026-2025
Date this description was prepared .
2025
Available forms of attendance.
(Mandatory attendance for (15 weeks
(Number of study hours (total) / Number of units (total) .
hours/3 units 3
Name of the course supervisor (if more than one name is mentioned) and . academic title
Name: Dr. Ahmed Zuhair Tawf Email: /iq ahmed_zuhair@uomosul.edu.iq



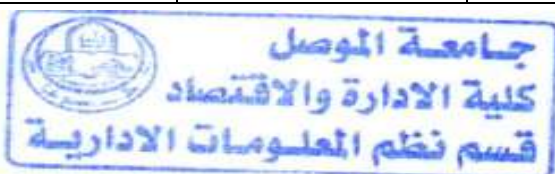
Course objectives .					
		<ul style="list-style-type: none"> • Defining the concept of systems as a basis for analyzing and designing information systems • Understand how to use a systems approach to address information .systems problems • knowing the role and K characteristics of a systems analyst • Equipping students with the knowledge necessary to study and analyze user needs and usage, and to identify information request and usage behaviors among different categories of .beneficiaries • e the student's ability to Increas think analytically and synthetically • Methods of building, developing, and evaluating systems in information institutions and determinants of implementation success, focusing on the system development life .cycle 			
learning strategies Teaching and .9					
inference,) Learning strategies (switching ideas, providing examples		Teaching strategies (lecture, discussion, problem solving, (projects, brainstorming			
Course structure .10					
Evaluation method	Learning method	Name of unit opicor t	Required learning outcomes	watches	week
Daily and esweekly duti	Discussion	Basic	Providing	3	1



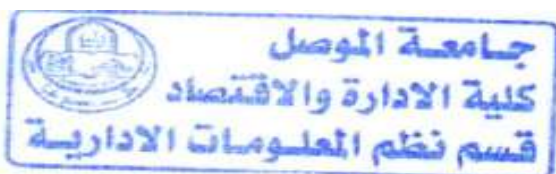
	method	principles of systems theory	students with the ability to analyze systems and track administrative problems using scientific and applied means and .methods		
Daily and monthly exams	Project method	The relationship between general systems theory and systems analysis and design methodology	Be able to identify and diagnose the problem and identify functional relationships and related .information	3	2
Reports	practical demonstration method	The concept of analysis and design the relationship + between analysis and design	over Disc different alternatives, compare them, and then choose the best .one	3	3
Daily and weekly duties	Discussion method	Systems Analyst experiences,) skills, tasks, roles) Obstacles + facing the systems analyst (technical, human, and (organizational	The ability to establish working relationships with eholders in stak .the system	3	4



Daily and monthly exams	Project method	SDLC Methodology (Feasibility Study Phase	Learn about the methods of designing these systems the and importance of management information .systems	3	5
Reports	practical demonstration method	Analysis phase	Learn information systems analysis and design techniques	3	6
Daily and weekly duties	Discussion method	Design phase	roviding P students with the ability to analyze systems and track administrative problems using scientific and applied means and .methods	3	7
Daily and monthly exams	Project method	Application phase testing phase +	Be able to identify and diagnose the problem and identify unctional f relationships and related .information	3	8
rtsRepo	practical	Conversion phase	Discover	3	9



	demonstration method		different alternatives, compare them, and then choose the best .one		
Daily and weekly duties	Discussion method	Operation and evaluation phase	The ability to establish working relationships with stakeholders in .the system	3	10
Daily and monthly exams	Project method	prototyping methodology Modeling concept	Learn about the methods of designing these systems and the importance of management formation in .systems	3	11
Reports	practical demonstration method	Justifications for the emergence of modeling Modeling stages	Learn information systems analysis and design techniques	3	12
Daily and weekly duties	Discussion method	Modeling Levels Advantages and Disadvantages of Modeling	Providing students with the ability to analyze systems and track administrative problems using scientific	3	13



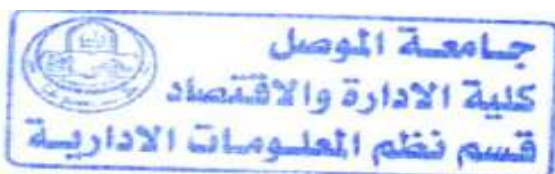
			and applied means and .methods		
Daily and monthly exams	Project method	End user development methodology End user concept and classification	Be able to identify and diagnose the problem and identify functional relationships and related .information	3	14
Reports	practical demonstration method	outsourcing	Discover different ‘alternatives compare them, and then choose the best .one	3	15

Course Evaluation and Grade Divisions .11

The grade is distributed out of 100 based on the tasks assigned to the student, such as daily preparation, daily, oral, monthly and written exams, reports, etc.

Learning and teaching resources .12

	(Required textbooks (methodology if any
Yassin, Saad Ghaleb, 2018 , Information Systems Analysis and Design, Dar Al Manahj for and Distribution, Publishing	(Main References (Sources

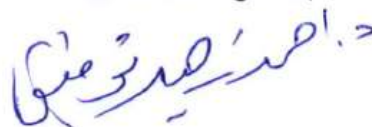


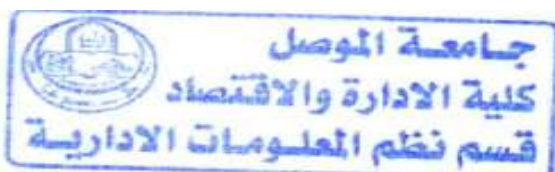
.Amman, Jordan	
Hussein, Laith Saadallah, 2020, Information Systems Analysis and Design, First Edition, Academics House for Publishing and Distribution, Amman, Jordan	Recommended supporting books and (...references (scientific journals, reports
Whitten, Jeffrey , L., Bentley, Lonnie, D. ,2008, Systems analysis &Design ,1ST, Irwin, McGraw-Hill	Electronic references, websites
%20	Curriculum update rate

اسم وتوقيع رئيس القسم او الفرع


 أ.م.د. محمد مصطفى الحسني
 رئيس قسم نظم المعلومات الادارية

اسم وتوقيع صاحب المقرر


 د. محمد مصطفى الحسني



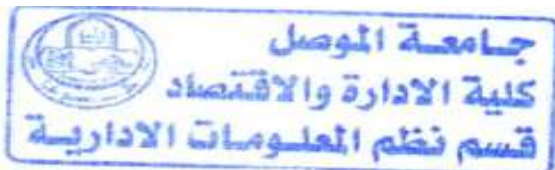
Course Description Form

University of Mosul

College of administration and economics

Department of Management Information System

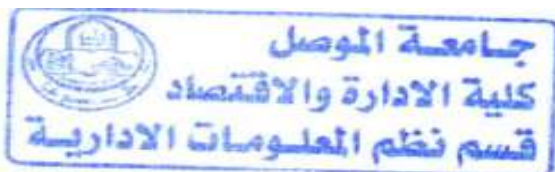
1. Course Name:	
Decision Support System	
2. Course Code:	
AEMI25_F307	
3. Semester / Year:	
2025-2026	
4. Description Preparation Date:	
1/9/2025	
5. Available Attendance Forms:	
In the Classroom and computer lab	
6. Number of Credit Hours (Total) / Number of Units (Total)	
45 hours	
7. Course administrator's name (mention all, if more than one name)	
Name: Mohammed Assim Mohammed Ali	
Email: mohamed_aseem@uomosul.edu.iq	
8. Course Objectives	
Course Objectives	The course aims to equip the student with the necessary skills and knowledge in decision-making, decision support systems, and various technologies used in them, as well as in modeling, analysis, collaboration, communication, and collective support systems. It also aims to provide the student with practical skills and application examples in these topics, specifically using Excel in decision making.
9. Teaching and Learning Strategies	



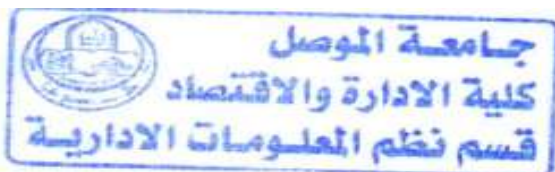
Strategy	<ul style="list-style-type: none"> - It consists of theoretical explanations of the fundamental concepts of decision support and decision support systems. - Case Studies: These are a set of problems taken from organizations. - Exercises and Applications: Practical exercises using Excel software.
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10. Course Structure

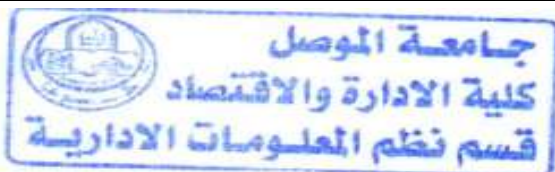
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3	Knowledge acquisition	Data, information, and knowledge and their relation to administrative decision-making; definition and importance of administrative decision-making; decisions from the traditional perspective; decisions from the modern perspective.	Lecture	Discussion
2	3	Knowledge acquisition	The general decision-making model and Simon's model involve diagnosing the problem, identifying the causes, gathering data, formulating alternatives, evaluating alternatives, choosing the best alternative, and	Lecture	Discussion



			evaluating the decision-making process.		
3	3	Knowledge acquisition	Structured decisions, semi-structured decisions, unstructured decisions. Making decisions with certainty, making decisions with uncertainty, making decisions under risk.	Lecture	Discussion
4	3	Learning a skill	Managing decision support with electronic spreadsheets: Practical examples.	Computer lab	Assignment
5	3	Knowledge acquisition	Characteristics of administrative decisions: inclusiveness, permanence, participatory potential, behavioral aspect. Elements of decisions: decision maker, subject, objectives, information, alternatives, constraints.	Lecture	Discussion
6	3	Principles and rules	Justification for using computerized decision support, definition of decision support systems.	Lecture	Discussion
7	3	Principles	The expected benefits to be achieved, the	Lecture	Discussion



		and rules	efficiency of decision support systems, and their effectiveness.		
8	3	Principles and rules	Supporting the decisions of middle and senior managers, a comparison between decision support systems and management information systems.	Lecture	Discussion
9	3	Knowledge acquisition	Definition of a database and its importance	Lecture	Discussion
10	3	Knowledge acquisition	Definition of models, definition of model base, types of models, types of decision variables, management of modeling processes, structural models of mathematical models to support decision-making.	Lecture	Discussion
11	3	Learning a skill	Decision trees and problem-solving methods, simulation.	Computer lab	Assignment
12	3	Knowledge acquisition	Definition of dialogue interfaces, importance of dialogue interfaces Individual decision support systems, group decision support systems, organizational	Lecture	Discussion



			decision support systems.		
13	3	Knowledge acquisition	Sensitivity analysis, what-if analysis, goal exploration	Computer lab	Assignment
14	3	Knowledge acquisition	Identifying beneficiary needs, lifecycle methodology	Lecture	Discussion
15	3	Knowledge acquisition	Developing end-user applications, rapid development methodology, modeling	Lecture	Discussion

11.Course Evaluation


The grade distribution out of 100 is based on the tasks assigned to the student, such as daily preparation, daily exams, oral exams, monthly exams, written exams, reports, etc.

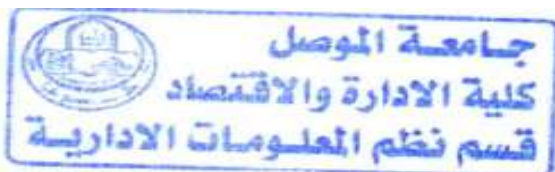
12.Learning and Teaching Resources

Efraim Turban, Ramesh Sharad, Dursun Delen, 2011, Decision Support System and Business Intelligence Systems, 2011, 9 ed, Pearson

ياسين ، سعد غالب، 2021 ، نظم دعم القرار، دار العلوم للتحقيق والطباعة والنشر والتوزيع ، عمان، الاردن

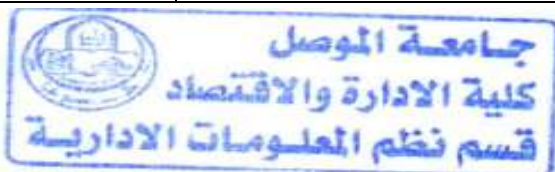

 أ.م.د. رمضان محمود الابراهيمي
 رئيس قسم نظم المعلومات الادارية


 د.د. محمد عاظم محمد علي
 مدرس محاسبة



Course Description Form

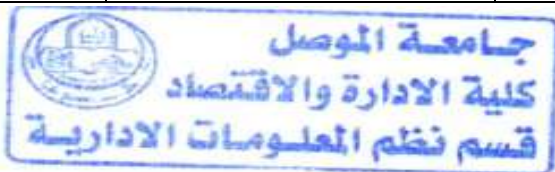
1. Course Name	
Visual programming Stage: Third	
2. Course Code:	
AEMI26-F309	
3. Semester / Year:	
First /2025-2026	
4. Description Preparation Date:	
19/5/2026	
5. Available Attendance Forms:	
Attendance in classrooms and laboratories	
6. Number of Credit Hours (Total) / Number of Units (Total)	
60 hours total / Number of units 3	
7. Course administrator's name (mention all, if more than one name)	
Name: Suhair Abd Dawwod	
Email: suhair_abd_dawwod@uomosul.edu.iq	
8. Course Objectives	
Course Objectives	The course aims to provide students with practical training in building business applications, dealing with external components (i.e. linking the language with other programs and applications), employing them, and using the libraries provided by the language to enable the student to build projects in the field of specialization.
9. Teaching and Learning Strategies	
Strategy	



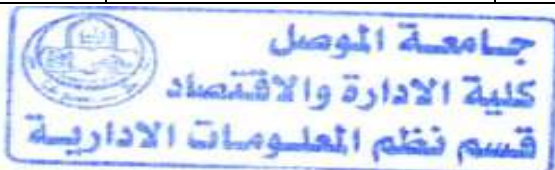
- 1- Explain the scientific material to students in detail.
- 2- Participate in students' problem-solving skills and projects.
- 3- Discuss and discuss vocabulary related to the topic.
- 4- Participate in case study discussions and problem-solving.

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	4	Learn about the visual programming language in terms of tools, features, interfaces, and the most important steps for building a VB6 project.	Introduction to the VB6 visual programming language and its features, introduction to the steps for building a project in VB6 visual programming language, identification of the parts of the VB6 visual programming screen, identification of some objects and their properties.	Lecture Theoretical + Practical	Practical test + task implementation
2	4	Learn about data types and variables	Data types, variables, variable definition terms, types of operands, arithmetic statements	Lecture Theoretical Practical	Practical test + task implementation
3		Learn about mouse and keyboard events	Learn about mouse events, keyboard events, and practical application of events.	Lecture Theoretical Practical	Practical test + task implementation
4	4	Learn the concept of dialog boxes with examples and programs	Understand the concept of Dialog boxes (Message Box)	Lecture Theoretical Practical	Practical test + task implementation



			Input Box)		
5	4	Learn conditional sentences with practical application	Multiple IF...Then IF...Then...Else IF Conditional Statements	Lecture Theoretical Practical	Practical test + task implementation
6	4	Identify the choice sentence with practical application	Select Case Practical Pro on Select Cases	Lecture Theoretical Practical	Practical test + task implementation
7	4	The concept of repetition sentences with practical programs	Repetition Statements For...Next Nested For...Next Statemen Repetition and Loop Exercis	Lecture Theoretical Practical	Practical test + task implementation
8	4	The concept of repetition sentences with practical programs	Do While.....Loop Sentence Do.....Loop While Sentence Practical Exercises	Lecture Theoretical Practical	Practical test + task implementation
9	4	The concept of mathematical ready-made couplings with practical application	Learn about mathematical function Learn about string functions Learn about time, date, and format functions	Lecture Theoretical Practical	Practical test + task implementation
10	4	Leveraging data analysis and visualization tools	Use VB6 to interact with tools like Power BI or Excel to view analyzed using artificial intelligence techniques.	Lecture Theoretical Practical	Practical test + task implementation
11	4	Learn about matrices and their types with practical	Matrices, types of matrices, program	Lecture	Practical test +



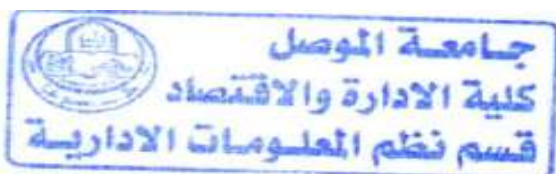
		programs		Theoretical Practical	task implementation
12	4	Enrich the material with practical programs, linking it with repetition and comparison sentences.	Various applications on matrices w multiple programs	Lecture Theoretical Practical	Practical test + task implementation
13	4	Get to know the menu bar	Define Menu Editor, design it, and Modify some of its properties, tpollbar, and link forms	Lecture Theoretical Practical	Practical test + task implementation
14	4	Identify files	What are files, sequential states used with files?	Lecture Theoretical + Pract	Practical test + task implementation
15	4	File handling, opening, reading, modifying	Open file, read from file, mo record contents, add to file, close file	Lecture Theoretical + Pract	Practical test + task implementation

11.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

12.Learning and Teaching Resources

Required textbooks (curricular books, if any)	Dr. Basil Al-Khatib, 2001, Learning Visual Bas through Examples, Dar Al-Rida Publish House, Syria, Damascus, First Edition.
Main references (sources)	Visual Basic Programming Book, Dr. Yahya Sa Al-Halabi, Dr. Muhammad Bilal Al-Zoubi. 200
Recommended books and references (scientific journals, reports...)	Michael Halverson, 1999, Visual Basic 6.0 Step Step, Arabic Edition.

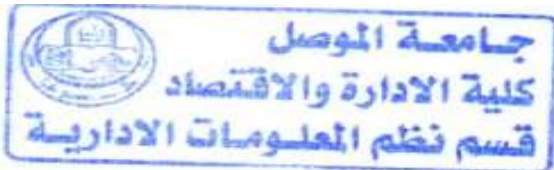


Electronic References, Websites

Lectures prepared by the subject teacher based on books and websites.

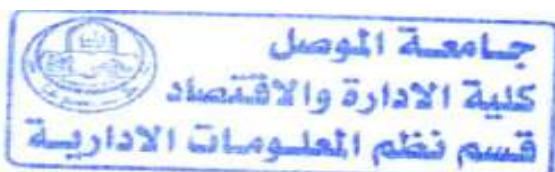
أ.م.د. رمضان محمود الإبراهيمي
رئيس قسم نظم المعلومات الإدارية

أ.م.د. هادي عبد



Course Description Form

1. Course Name:
Database management systems
2. Course Code:
AEMI25_F311
3. Semester / Year:
2026-2025
4. Description Preparation Date:
15/9/2025
5. Available Attendance Forms:
In the Classroom
6. Number of Credit Hours (Total) / Number of Units (Total)
45 hours
7. Course administrator's name (mention all, if more than one name)
Name: Ramadan Mahmood Ramo Email: ramadan_mahmood@uomosul.edu.iq
8. Course Objectives



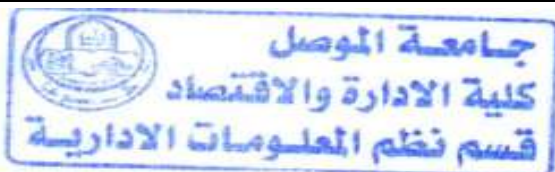
Course Objectives	Introducing students to the primary goal of databases, which is to focus on how to organize data and not on special applications. That is, the main goal of the database designer is to design the data so that it is free of repetition and can be retrieved, modified, and added to without the problems that could occur with the presence of repetition in it. This is done by creating three levels of abstraction or models for databases called normalization models (database normalization), which are intended to make the structure of the data closer to the categorical nature.
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9. Teaching and Learning Strategies

Strategy	<ul style="list-style-type: none"> • The lecture: consists of theoretical explanations of the basic concepts of scientific research. • Case studies: They are a group of problems adapted from organizations.
-----------------	---

10. Course Structure

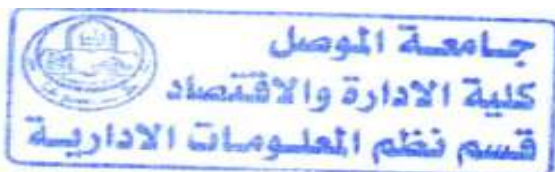
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3	1	Basics and history of databases	theoretical	Share
2	3	1	Basics of database management systems	theoretical	Share
3	3	1	Database components and users	theoretical	Share
4	3	2	Database characteristics & database design	theoretical	Share
5	3	1	Database design	theoretical	A surprise test



			principles & structure for building a database management system		
6	3	2	Database management systems languages & the concept of key fields	theoretical	Share
7	3	2	Types of correlations	theoretical	Share
8	3	2	Types of correlations	theoretical	Share
9	3	2	Database life cycle		Share
10	3	2	Access program basics	practical	Semester test
11	3	1	Access program basics	practical	Participate in case studies
12	3	1	Basics of creating tables	practical	Share
13	3	4	Basics of creating tables	practical	Share
14	3	4	Basics of creating queries	practical	Share
15	3	4	Basics of creating queries	practical	Share and Exam

11. Course Evaluation

- 5- Final exams 60%
- 6- monthly tests 40%

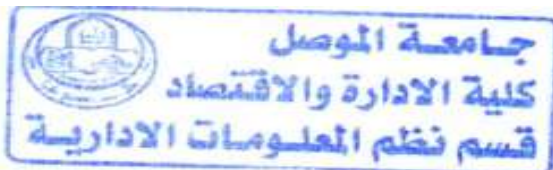


12. Learning and Teaching Resources

- Database management systems / Dr. Saad Ghalib

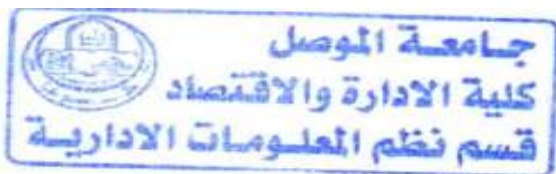
- Databases / Dr. The reformer of the bites


أ.م.د. رمضان محمود الإبراهيمي
رئيس قسم نظم المعلومات الإدارية



Course Description Form

1. Course Name:	
Operations Research / Third Stage	
2. Course Code:	
AEMI25_F313	
3. Semester / Year:	
The first course/2025-2026	
4. Description Preparation Date:	
30/ 5 /2026	
5. Available Attendance Forms:	
Mandatory attendance for (15 weeks)	
6. Number of Credit Hours (Total) / Number of Units (Total)	
Number of study hours: 3 / Number of units: 2	
7. Course administrator's name (mention all, if more than one name)	
Name: Rana Bashar Hussein Email: rana_bashar@uomosul.edu.iq	
8. Course Objectives	
Course Objectives	This course aims to train students in creative thinking and develop analytical skills in solving problems by using the operations



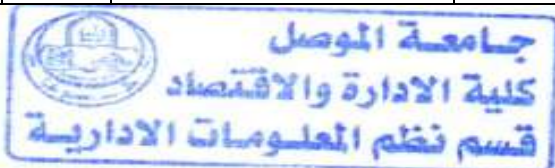
	research methodology and its methods in solving problems and making administrative decisions.....
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9. Teaching and Learning Strategies

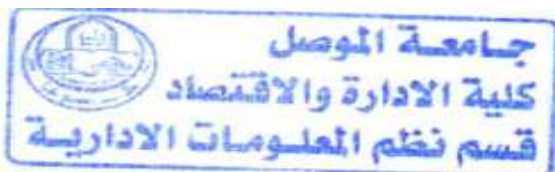
Strategy	The teaching and learning strategy for Operations Research relies on a combination of theoretical learning and practical application to enhance students' understanding of complex concepts and develop their skills in problem analysis and decision-making.
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10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3	To enable students to understand and apply mathematical and statistical methods to solve managerial and planning problems in various business and industrial environments.	binary simplex method	Practical demonstrations, discussion method, cooperative learning	1. Attendance and Participation 2. Individual Assessment: Through the quality of discussion, asking questions, and presenting solutions 3. Group Assessment: The ideas presented in assignments and required reports and the quality of their discussion 4. Conducting daily and final



					exams to measure student progress and provide immediate feedback
2			Adding new constraints to the model		
3			Changing the objective function parameters		
4			Definition of sensitive analysis		
5			Sensitive analysis of the right side		
6			Sensitivity analysis of objective function coefficients to non-essential variables		
7			Sensitivity analysis of the objective function coefficients to the basic variables		
8			Definition of business network		
9			Basic concepts of business		



			networking		
10			How to draw a business network		
11			Critical path method		
12			Practical examples of the critical path method		
13			PERT method		
14			Practical examples of the PERT method		
15			Comparison between the critical path method and the PERT method		

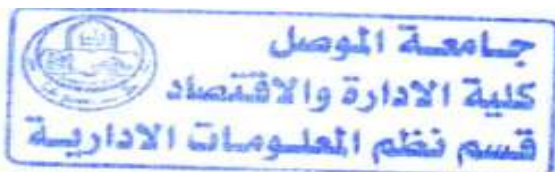
11.Course Evaluation

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

12.Learning and Teaching Resources

Required textbooks (curricular books, if any)


Jazaa, Abdul Diab (1986) “Operations Research” Second Edition.



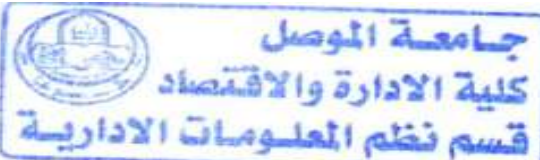
Main references (sources)	<p>- Al-Darakzali, Khawla Khaled (2022) "Introduction to Operations Research", Dar Al-Akademoon Publishing and Distribution Company, Amman, Hashemite Kingdom of Jordan.</p> <p>- Al-Jawad, Dalal Sadiq & Al-Fattal, Hamid Nasser (2008) "Operations Research", Arabic Edition, Amman, Jordan.</p>
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	




 أ.م. د. رمضان محمود البراهيمي
 رئيس قسم نظم المعلومات الادارية



 رنا بشاشين

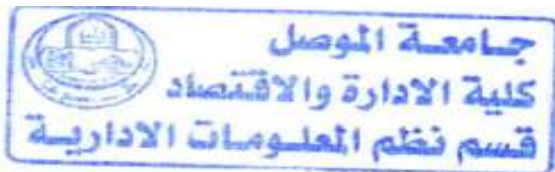


 جامعة الموصل
 كلية الادارة والاقتصاد
 قسم نظم المعلومات الادارية

Second Course

Course Description Form

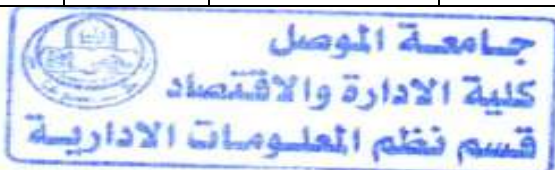
1. Course Name:	
Communications and Networks	
2. Course Code:	
AEMI24_F302	
3. Semester / Year:	
2025-2026	
4. Description Preparation Date:	
15/4/2025	
5. Available Attendance Forms:	
In the Classroom	
6. Number of Credit Hours (Total) / Number of Units (Total)	
30 hours	
7. Course administrator's name (mention all, if more than one name)	
Name: Mohammed A. M. Hamokhalil	
Email: mohammed_hamokhalil@uomosul.ed.iq	
8. Course Objectives	
Course Objectives	<ul style="list-style-type: none">• provide students with cognitive skills in the field of communications and networking.• introduce different models of communication systems, focusing on computer networks and their applications
9. Teaching and Learning Strategies	
Strategy	<ul style="list-style-type: none">• Classroom lectures and discussions.• Collaborative learning: Group assignments that encourage students to cooperate with peers and discuss solutions, fostering a cooperative learning environment.



	<ul style="list-style-type: none"> • Adaptation to learning styles: Using a variety of teaching methods such as lectures, interactive sessions, demonstrations, and practical labs. • Continuous assessment and feedback: Regular evaluation through quizzes, assignments, and exams, with constructive feedback to support improvement.
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10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Transmission Modes	Types of Transmission Modes	Theory	Assignments
2	2	Network components	Computer network components	Theory	Exams
3	2	Network Interface Cards	Types of NICs and communication media	Theory	Assignments
4	2	Basic network model / channels used	Electronic communication networks, transmission lines	Theory	Exams
5	2	Layered architecture in network OS	Network operation scenarios, layered architecture	Theory	Assignments
6	2	Midterm Exam	Midterm Exam	Theory	Exams
7	2	Functions of OSI layers	OSI Layer functions	Theory	Assignments
8	2	Physical layer functions	Physical Layer	Theory	Exams
9	2	Data Link Layer functions	DLL functions	Theory	—
10	2	Application layer functions	Application Layer	Theory	Exams
11	2	Data encoding &	Data packets	Theory	Assignments



		packet types			
12	2	Networking expansion devices	Computer network expansion devices	Theory	Exams
13	2	Hubs, bridges, gateways, routers switches	Hub, Bridges, Gateways, Routers, Switch	Theory	Assignments
14	2	Fourth generation networks	4G Networks	Theory Practical	—
15	2	Final Exam	Final Exam	Theory	Exams


11. Course Evaluation

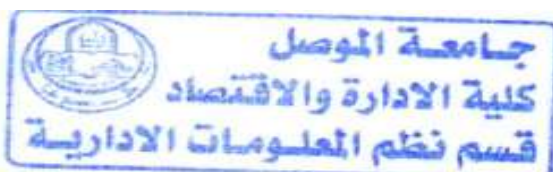
- 7- Final exams 60%
- 8- monthly tests 20%
- 9- assignments 10%
- 10- class contribution 10%

12. Learning and Teaching Resources

- **Prescribed textbooks (if any):**
Al-Hammami, Alaa Hussein & Hashim, Sakinah Hassan, 2010, *Fundamentals and Technology of Computer Networks*, Ithraa Publishing & Distribution, Amman, Jordan.
- **Main References:**
 - Artificial Intelligence and its Techniques.
- **Recommended Books and Supporting References (scientific journals, reports, etc.):**
 - Jerry Fitz Gerald & Alan Dennis, 2010, *Business Data Communication & Networking*, McGraw Hill Inc.
 - Behrouz A. Forouzan, 2007, *Data Communications & Networking*, 4th Ed., McGraw Hill Inc.
- **Electronic References / Websites:**
<https://www.edu-technology1.com/2024/01/networking-intelligence-books-pdf.html>
- **Curriculum Update Ratio:** 20%

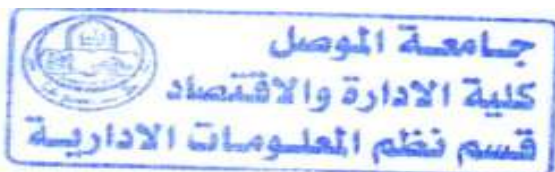

 د. م. م. الحاممي
 رئيس قسم نظم المعلومات الادارية


 محمد عبد الزاقر محمد



Course Description Form

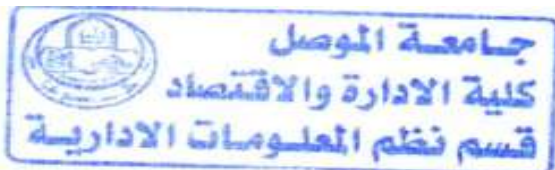
1. Course Name:	
Electronic business systems	
2. Course Code:	
AEMI24_F304	
3. Semester / Year:	
2025-2026	
4. Description Preparation Date:	
1/9/2025	
5. Available Attendance Forms:	
In the Classroom	
6. Number of Credit Hours (Total) / Number of Units (Total)	
60 hours	
7. Course administrator's name (mention all, if more than one name)	
Name: Dr. ZAID FAWZI AYOOB	
Email: Zaid_fawzy@uomosul.edu.iq	
8. Course Objectives	
Course Objectives	This course provides the student with the understanding and ability to apply systems and technology that help move towards adopting electronic business applications in business organizations in the context of enhancing and improving their performance, as it provides an applied framework for the most important systems in electronic business, especially in customer relationship management, supply chain management, purchasing, and electronic payment.
9. Teaching and Learning Strategies	
Strategy	<ul style="list-style-type: none">• The lecture: consists of theoretical explanations of the basic concepts of scientific research• Case studies: They are a group of problems adapted from organizations• Active listening• Self-criticism• information analysis• Remembering



Expanding the student's knowledge of different methodological sources

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
	3		Introduction to managing customer relationships electronically 1	Explaining in the lecture	Q&A discussion
	3		Managing customer relationships electronically2	Lecture and discussion	Q&A
	3		The electronic government	Lecture and discussion	Q&A and quizzes
	3		Electronic supply chain	Lecture and discussion	Q&A and discussion
	3		Cooperative trade	Lecture and discussion	Q&A and quizzes
	3		Collaborative Internet portals	Lecture and discussion	Q&A and quizzes
	3		Virtual organizations	Lecture and discussion	Q&A and discussion
	3		Electronic markets	Lecture and discussion	Q&A and quizzes
	3		Electronic auctions	Lecture and discussion	Applied exercises and Exam
	3		Electronic management 1	Lecture and discussion	Q&A



	3		Electronic management 2	Lecture and discussion	Q&A
	3		Electronic payment	Lecture and discussion	Q&A and quizzes
	3		Internet Marketing	Lecture and discussion	Q&A
	3		Case studies2	Lecture and discussion	Q&A and quizzes
	3		Exam + discussion	Lecture and discussion	Applied exercises and Exam

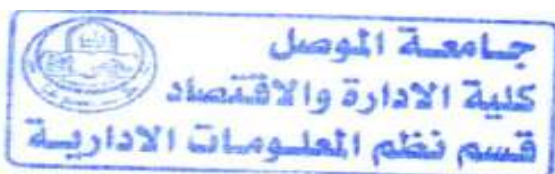
11.Course Evaluation

- 11- Final exams 60%
- 12- monthly tests 20%
- 13- assignments 10%
- 14- class contribution 10%

12.Learning and Teaching Resources

Dave Chaffey,2010,E-Bussiness&E-Commerce & practice Management: Strategy implementation ,prentice-Hall

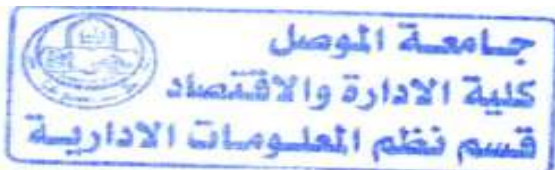
		الطيبي، خضر مصباح(2008) التجارة الالكترونية والاعمال الالكترونية، دار الحامد للنشر والتوزيع	كتاب مساعد	1
		سعد غالب ياسين ، 2001، الاعمال الإلكترونية ، دار المناهج للنشر	كتاب مساعد	2



	<p>سعد غالب ياسين ، 2009، الادارة الالكترونية ، دار اليازوري العلمية للنشر والتوزيع</p>	<p>كتاب مساعد</p>	<p>3</p>
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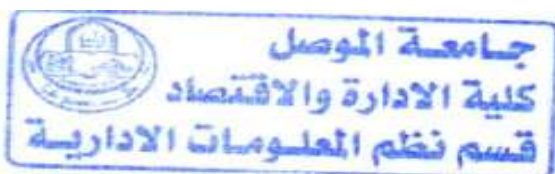

 أ.م.د. رمضان محمد الابراهيمي
 رئيس قسم نظم المعلومات الاله لربية


 د. م. م. زيد فوزي أبو حو



Course Description Form

Course Name:
Third / Information Systems Analysis and Design Techniques
Course code .
AEMI25_F303
Semester/Year .
2026-2025
prepared Date this description was
2025
Available forms of attendance
(Mandatory attendance for (15 weeks
(Number of study hours (total) / Number of units (total .6
hours/3 units 3
Name of the course supervisor (if more than one name is mentioned) and .7 .academic title
me: Asst. Prof. Dr. Ahmed Zuhair Tawfiq / Assistant Professor EmailNa ahmed_zuhair@uomosul.edu.iq
Course objectives .8



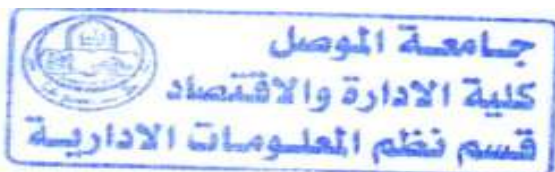
	<ul style="list-style-type: none"> • Defining the concept of systems as a basis for analyzing and designing information systems • Understand how to use a systems address information approach to a .systems problems • Knowing the role and characteristics of a systems analyst • Equipping students with the knowledge necessary to study and analyze user needs and usage, and to identify information request and usage behaviors among t categories of differen .beneficiaries • Increase the student's ability to think analytically and synthetically • Methods of building, developing, and evaluating systems in information institutions and determinants of implementation success, focusing on the system .elopment life cycledev
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Teaching and learning strategies .9

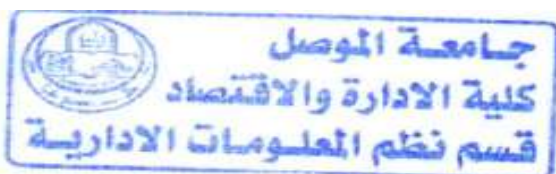
<p>inference,) Learning strategies (switching ideas, providing examples</p>	<p>Teaching strategies (lecture, discussion, problem solving, (projects, brainstorming</p>
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Course structure .10

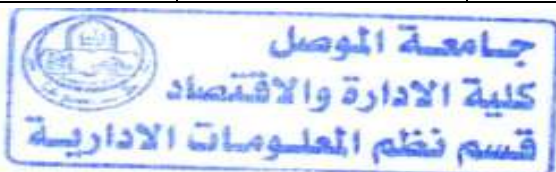
Evaluation method	Learning method	Name of unit or topic	ed Requir learning outcomes	watches	week
Daily and weekly duties Daily and monthly	ssion Discu method	Application Software Packages	Providing students with the ability to	3	1



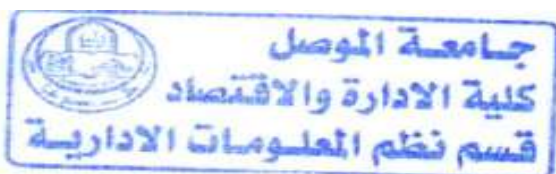
exams Reports			analyze systems and track administrative problems using scientific and applied means .and methods		
Daily and weekly duties	Project method	Rapid Application Development	Be able to identify and diagnose the problem and identify functional relationships and related .information	3	2
Daily and monthly exams	practical demonstration method	Object-Oriented Development The concept of oriented -object development	Discover different alternatives, compare them, and then choose the best .one	3	3
Reports	Discussion method	Systems Analysis and Design Techniques (Tools)	The ability to establish working ps relationshi with stakeholders in .the system	3	4
aily and D weekly duties	Project method	Document flowcharts	Learn about the methods of designing these systems and the importance	3	5



			of management information systems		
Daily and monthly exams	practical demonstration method	Data Flow Diagrams(DFD)	Learn information systems analysis and design techniques	3	6
Reports	Discussion method	-Entity Relationship Diagrams(ER)	Providing students with the ability to analyze systems and track administrative ms using proble scientific and applied means .and methods	3	7
Daily and weekly duties	Project odmeth	Data Dictionary DD	Be able to identify and diagnose the problem and identify functional relationships and related .information	3	8
Daily and monthly exams	practical demonstration method	Hierarchical diagrams describing inputs processes, and . outputsHIPO	Discover different alternatives, compare them, and then choose the best .one	3	9
Reports	Discussion	Structure maps	The ability to	3	10



	method		establish working relationships with stakeholders in .the system		
d Daily an weekly duties	Project method	Systems maps	Learn about the methods of designing these systems and the importance of management information .systems	3	11
Daily and monthly exams	practical demonstration method	linguistic structure	Learn information systems analysis and design techniques	3	12
Reports	Discussion method	Decision tables	Providing students with the ability to analyze systems and track administrative problems using scientific and applied means .and methods	3	13
Daily and weekly duties	Project method	Decision tree	Be able to identify and diagnose the problem and identify functional	3	14



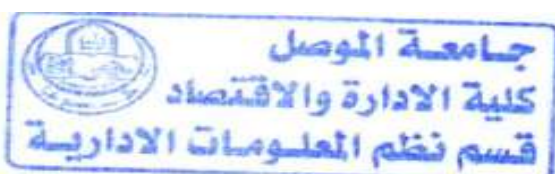
			relationships and related .information		
Daily and monthly exams	practical demonstration method	Process Description	Discover different alternatives, compare them, and then choose the best .one	3	15

Course Evaluation and Grade Divisions .11

signed to the student, such The grade is distributed out of 100 based on the tasks as .as daily preparation, daily, oral, monthly and written exams, reports, etc

Learning and teaching resources .12

	(Required textbooks (methodology if any
Yassin, Saad Ghaleb, 2018 , s Analysis and Information System Design, Dar Al Manahj for Publishing and Distribution, .Amman, Jordan	(Main References (Sources
Hussein, Laith Saadallah, 2020, Information Systems Analysis and cademics Design, First Edition, A House for Publishing and	Recommended supporting books and (...references (scientific journals, reports

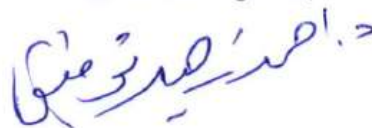


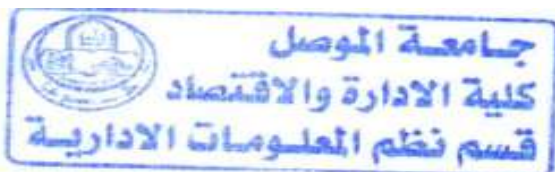
.Distribution, Amman, Jordan	
Whitten, Jeffrey , L., Bentley, Lonnie, D. ,2008, Systems analysis &Design ,1ST, Irwin, McGraw-Hill	Electronic references, websites
%20	Curriculum update rate

اسم وتوقيع رئيس القسم او الفرع


 أ.م.م. م. م. الفيز
 رئيس قسم نظم المعلومات الادارية

اسم وتوقيع صاحب المقرر


 د. م. م. الفيز



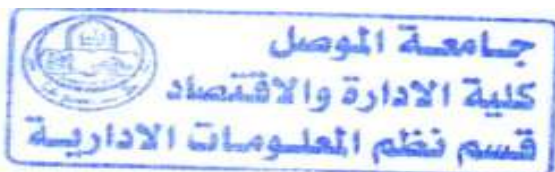
Course Description Form

University of Mosul

College of administration and economics

Department of Management Information System

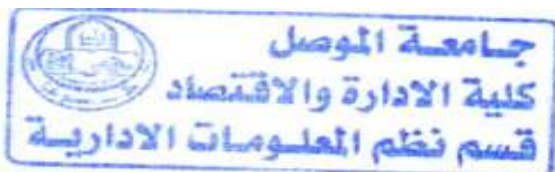
1. Course Name:	
Business Intelligence	
2. Course Code:	
AEMI25_F308	
3. Semester / Year:	
2025-2026	
4. Description Preparation Date:	
1/9/2025	
5. Available Attendance Forms:	
In the Classroom	
6. Number of Credit Hours (Total) / Number of Units (Total)	
45 hours	
7. Course administrator's name (mention all, if more than one name)	
Name: Mohammed Assim Mohammed Ali	
Email: mohamed_aseem@uomosul.edu.iq	
8. Course Objectives	
Course Objectives	The course aims to equip the student with the necessary skills and knowledge in business intelligence, and various technologies used in them, as well as in data analysis. It also aimed to tech the student using business intelligence in different functions and activities of organization.
9. Teaching and Learning Strategies	
Strategy	- It consists of theoretical explanations of the fundamental



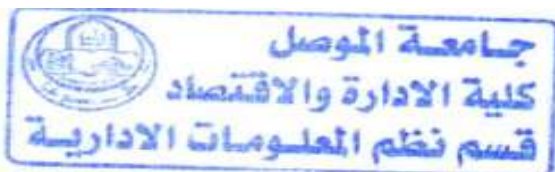
	<p>concepts of business intelligence.</p> <p>- Case Studies: to learn the students how to use business intelligence in different aspects of organization.</p>
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10. Course Structure

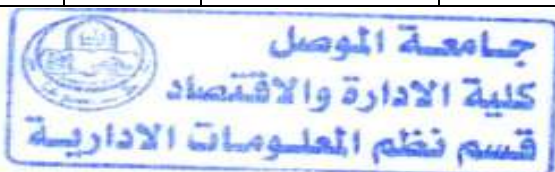
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3	Knowledge acquisition	Historical development and conceptual framework	Lecture	Discussion
2	3	Knowledge acquisition	Importance of the role of business intelligence and systems in business organizations	Theoretical explanation with real-world examples from the job market	Discussion
3	3	Acquiring the skill to design a Preliminary business intelligence system that meets business needs	How to design Business Intelligence systems in business organizations	Practical lecture with case studies	Quiz



4	3	Knowledge acquisition	Business Intelligence Systems Classifications and Identification of their Main Beneficiaries	Lecture	Discussion
5	3	Learning fundamentals and principles	Discussion on practical applications of Business intelligence for production and operations management	Discussion lecture with real-world examples	Discussion
6	3	Learning fundamentals and principles	Discussion on practical applications of Business intelligence for marketing management	discussion lecture with real-world examples	Discussion
7	3	Learning fundamentals and principles	Discussion on practical applications of Business intelligence for Human Resources management	discussion lecture with real-world examples	Discussion
8	3	Learning fundamentals and principles	Discussion on practical	discussion lecture with	Discussion



		principles	applications of Business intelligence for Financial Management	real-world examples	
9	3	Acquiring knowledge	Concept, Importance, and Methodology of Data Mining	Lecture + practical training using real-life examples	Assignment
10	3	Acquiring knowledge	The star schema for a data warehouse	Lecture and discussion of real-life cases	Discussion
11	3	Acquiring knowledge	Design and dimensions practically applied	Lecture	Assignment
12	3	Understanding the concept data warehouses and how to build and manage them	Data Warehouse	Lecture with practical examples	Discussion
13	3	Understanding the mechanism	Data cube, Oline	Lecture with practical	Assignment



		OLAP and its applications in data analysis	analytical processing system (OLAP)	examples	
14	3	Acquiring knowledge	Data mining, Dashboard	Lecture	Discussion
15	3		Examination		

11.Course Evaluation

The grade is distributed out of 100 based on the tasks assigned to the student, such as daily preparation, daily, oral, monthly and written exams, reports, etc.

12.Learning and Teaching Resources


-Turban, E., R. Sharda, D. Delen & D. King (2011) "Business Intelligence: A Managerial Approach", 2nd

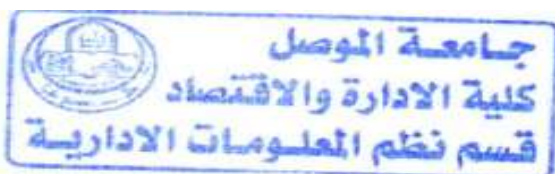
-Edition, Prentice Education, Inc, New-Jersey, USA

الناصر، عامر عبد الرزاق عبد المحسن، 2015، ادارة المعرفة في اطار نظم ذكاء الاعمال، الطبعة الاولى، دار اليازوري للنشر والتوزيع، عمان ، الاردن

حسين، ليث سعد، السالم ، محمد عاصم، 2021 ،مستودع البيانات ادواته وتقنياته، مدخل ادارة البيانات وادارة البيانات الكبيرة، دار الاكاديميون للنشر والتوزيع.

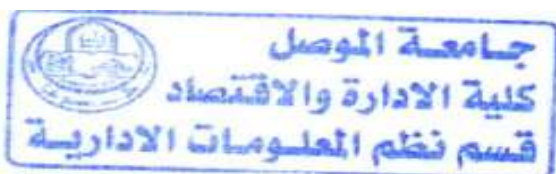

 أ.م.د. رمضان محمد إبراهيم
 رئيس قسم نظم المعلومات الادارية


 د.د. سحر عاظم سر علي
 مديرة ادارة



Course Description Form

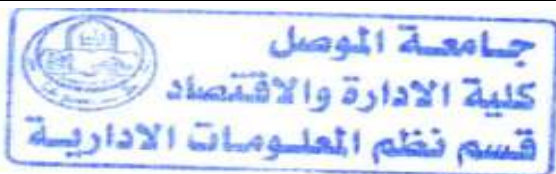
1. Course Name	
Visual programming for businesses Stage :Third	
2. Course Code:	
AEMI26-F310	
3. Semester / Year:	
Second/2025-2026	
4. Description Preparation Date:	
29/5/2026	
5. Available Attendance Forms:	
Attendance in classrooms and laboratories	
6. Number of Credit Hours (Total) / Number of Units (Total)	
60 hours total / Number of units 3	
7. Course administrator's name (mention all, if more than one name)	
Name: Suhair Abd Dawwod Email: suhair_abd_dawwod@uomosul.edu.iq	
8. Course Objectives	
Course Objectives	The course aims to provide students with practical training in building business applications, dealing with external components (i.e. linking the language with other programs and applications), employing them, and using the libraries provided by the language to enable the student to build projects in the field of specialization.
9. Teaching and Learning Strategies	



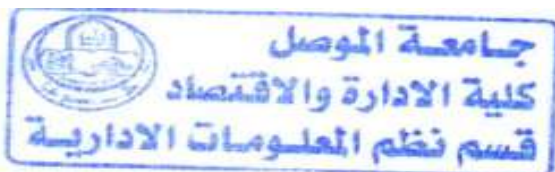
Strategy	<p>1-Explain the scientific material to students in detail.</p> <p>2- Participate in students' problem-solving skills and projects.</p> <p>3- Discuss and discuss vocabulary related to the topic.</p> <p>4- Participate in case study discussions and problem-solving.</p>
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10. Course Structure

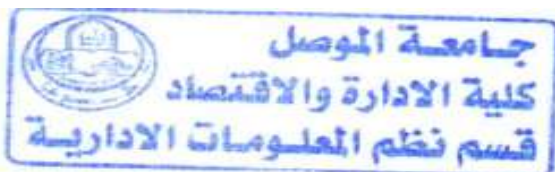
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	4	Providing the student with the ability to deal with image tools and other tools through practical application and assignments.	Other tools (image,pictureBox, OptionButton, listbox, combobox,checkbox, frame, OLE)	Lecture Theoretical Practical	Practical test + task implementation
2	4	Learn about functions and subroutines through programs and tasks.	Functions and Subprograms • What is a function? • The general form of a function Examples : programs for functions : subprograms	Lecture Theoretical Practical	Practical test + task implementation
3	4	Providing the student with the ability to understand how to link Visual Basic	Methods for linking Visual Basic to databases, linking to Access databases using Data	Lecture Theoretical Practical	Practical test + task implementation



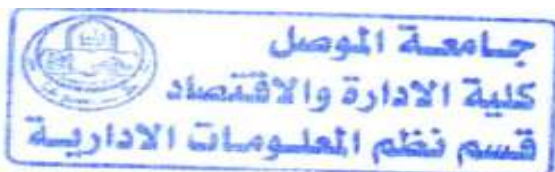
		with Access databases.	Control and the DAO method		
4	4	Providing the student with the ability to understand how to link Visual Basic with Access databases.	Connecting Visual Basic6 to Access databases using ADO	Lecture Theoretical Practical	Practical test + task implementation
5	4	Utilizing programming concepts and linking ideas to enable the student to design a software project	Design a project to handle student information and grades using an Access database and linking it to Visual Basic using the Control Data tool, with multiple capabilities, including saving information and entering grades by calling student by number.	Lecture Theoretical Practical	Practical test + task implementation
6	4	Utilizing programming concepts and linking ideas to enable the student to design a software project	After completing the design the first part of the project, report and statistics are designed including: *the student's results the number of successful students, the number of students who fail the	Lecture Theoretical Practical	Practical test + task implementation



			number of students v completed one or two subjects, and the t students.		
7	4	Utilizing programming concepts and linking ideas to enable the student to design a software project	The project includes integrated system for managing staff and faculty affairs, including personal and academic information, with the ability to store all types digital data and images within database. The database designed using Access and linked to Visual Basic using the library.	Lecture Theoretical Practical	Practical test task implementation
8	4	Utilizing programming concepts and linking ideas to enable the student to design a software project	Complete the project design by preparing the required reports and statistics. Prepare according to qualifications and specializations, and prepare faculty members according to academic titles with names displayed.	Lecture Theoretical Practical	Practical test task implementation
9	4	Utilizing programming concepts and linking ideas to	The invoice is designed in Word using a macro and displayed in Visual	Lecture Theoretical Practical	Practical test task implementation



		enable the student to design a software project	Basic 6 using the Microsoft Word 10 library.		ntation
10	4	Utilizing programming concepts and linking ideas to enable the student to design a software project	Payroll calculations are done using Excel using the OCX to PayCAL is a free ActiveX component that creates spreadsheets and sends the results to Visual Basic 6.	Lecture Theoretical Practical	Practical test task implementation
11	4	Utilizing programming concepts and linking ideas to enable the student to design a software project	A search engine project designed using Visual Basic and Visual Basic tools are used to design the project.	Lecture Theoretical Practical	Practical test task implementation
12	4	Utilizing programming concepts and linking ideas to enable the student to design a software project	Design a project to communicate between the server and the client using the Winsock control and using HTML to connect to Internet.	Lecture Theoretical Practical	Practical test task implementation
13	4	Utilizing programming concepts and linking ideas to enable the student to design a software project	Designing a GIS system for areas prone to diseases and floods, such as malaria and measles. The system features maps, displays, flood monitoring, and disease	Lecture Theoretical Practical	Practical test task implementation

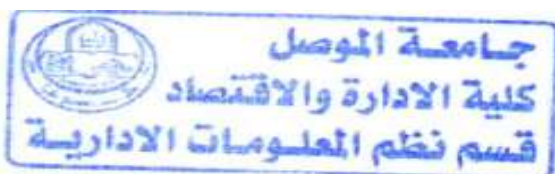


			affected areas, with zooming and out, and a quick n toolbar.		
14	4	Utilizing programming concepts and linking ideas to enable the student to design a software project	How to process text through encryption and decryption Displaying basic file inputs and outputs using Control Dialog Common	Lecture Theoretical Practical	Practical test task implementation
15	4	Utilizing programming concepts and linking ideas to enable the student to design a software project	Traffic lights are signal devices placed at road intersections or pedestrian crossings to regulate traffic and control the flow of traffic safely using colored lights according to an internationally agreed upon system. Traffic lights are found in many cities around the world. Traffic light systems are designed using a number of libraries, timers, and graphics to control pedestrian crossings	Lecture Theoretical Practical	Practical test task implementation

11. 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

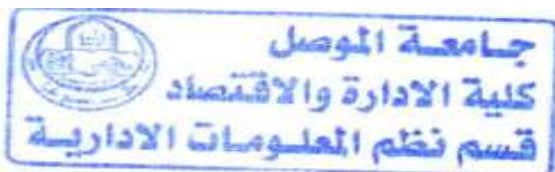
12. Learning and Teaching Resources



Required textbooks (curricular books, if any)	Dr. Basil Al-Khatib, 2001, Learning Visual Basic through Examples, Dar Al-Rida Publishing House, Syria, Damascus, First Edition.
Main references (sources)	Visual Basic Programming Book, Dr. Yahya Sabry Al-Halabi, Dr. Muhammad Bilal Al-Zoubi. 2006.
Recommended books and references (scientific journals, reports...)	Michael Halverson, 1999, Visual Basic 6.0 Step Step, Arabic Edition.
Electronic References, Websites	Lectures prepared by the subject teacher based on books and websites.

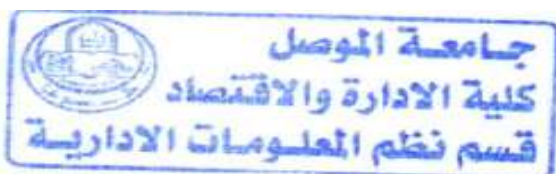

 أ.م.د. رمضان محمود البراهيمي
 رئيس قسم نظم المعلومات الادارية


 م.م.د. هادي عبد



Course Description Form

1. Course Name:	
Database management systems	
2. Course Code:	
AEMI25_F312	
3. Semester / Year:	
2025-2026	
4. Description Preparation Date:	
15/9/2025	
5. Available Attendance Forms:	
In the Classroom	
6. Number of Credit Hours (Total) / Number of Units (Total)	
45 hours	
7. Course administrator's name (mention all, if more than one name)	
Name: Ramadan Mahmood Ramo	
Email: ramadan_mahmood@uomosul.edu.iq	
8. Course Objectives	
Course Objectives	Introducing students to the primary goal of databases, which is to focus on how to organize data and not on special applications. That is, the main goal of the database designer is to design the data so that it is free of repetition and can be retrieved, modified, and added to without the problems that could occur with the presence of repetition in it. This is done by creating three levels of abstraction or models for databases called normalization models (database normalization), which are intended to make the structure of the data



closer to the categorical nature.

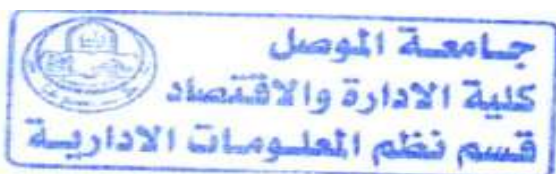
9. Teaching and Learning Strategies

Strategy

- The lecture: consists of theoretical explanations of the basic concepts of scientific research.
- Case studies: They are a group of problems adapted from organizations.

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3	1	Entity and relationship model 1	theoretical	Share
2	3	1	Entity and relationship model 2	theoretical	Share
3	3	1	Entity and relationship model3	theoretical	Share
4	3	2	Types of restrictions on relationships	theoretical	Share
5	3	1	Weak entity	theoretical	A surprise test
6	3	2	Examples of entity and relationship models	theoretical	Share
7	3	2	Convert ER diagram to database schema 1	theoretical	Share
8	3	2		theoretical	Share



9	3	2	Convert schema database 2	ER to schema		Share
10	3	2			practical	Semester test
11	3	1	Convert diagram database 3	ER to schema	practical	Participate in case studies
12	3	1			practical	Share
13	3	4	Standard formulas		practical	Share
14	3	4			practical	Share
15	3	4	First formula	standard	practical	Share and Exam

11. Course Evaluation

15-Final exams 60%

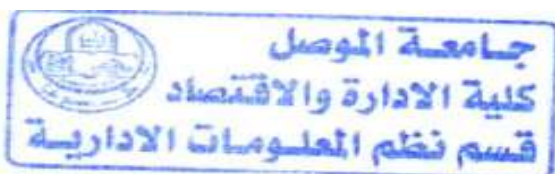
16-monthly tests 40%

12. Learning and Teaching Resources

- Database management systems / Dr. Saad Ghalib

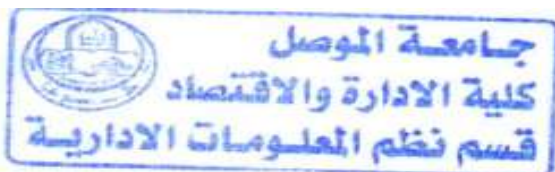
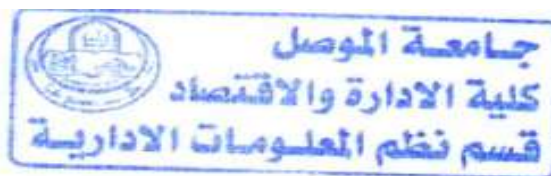
- Databases / Dr. The reformer of the bites


 أ.م.د. رمضان محمود الإبراهيمي
 رئيس قسم نظم المعلومات الإدارية



Course Description Form

1. Course Name:
Operations Research / Third Stage
2. Course Code:
AEMI25_F314
3. Semester / Year:
The second course/2025-2026
4. Description Preparation Date:
30 / 5 /2026
5. Available Attendance Forms:
Mandatory attendance for (15 weeks)
6. Number of Credit Hours (Total) / Number of Units (Total)
Number of study hours: 3 / Number of units: 2
7. Course administrator's name (mention all, if more than one name)
Name: Rana Bashar Hussein
Email: rana_bashar@uomosul.edu.iq
8. Course Objectives



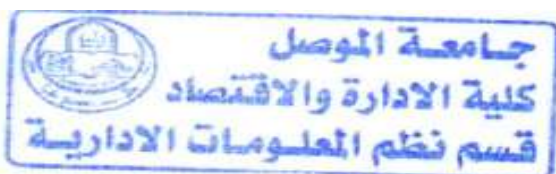
Course Objectives	This course aims to train students in creative thinking and develop analytical skills in solving problems by using the operations research methodology and its methods in solving problems and making administrative decisions.....
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9. Teaching and Learning Strategies

Strategy	The teaching and learning strategy for Operations Research relies on a combination of theoretical learning and practical application to enhance students' understanding of complex concepts and develop their skills in problem analysis and decision-making.
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10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3	To enable students to understand and apply mathematical and statistical methods to solve managerial and planning problems in various business and industrial environments.	Definition of transportation issue	Practical demonstrations, discussion method, cooperative learning	1. Attendance and Participation 2. Individual Assessment: Through the quality of discussion, asking questions, and presenting solutions 3. Group Assessment: The ideas presented in assignments and required reports and the quality of their discussion 4. Conducting daily and final exams to measure student progress and provide immediate feedback

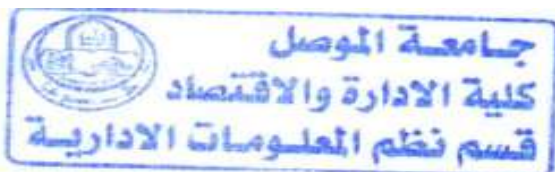


2			Methods for finding the initial basic solution		
3			Northwest corner method		
4			Less expensive way		
5			Vogel's method		
6			Definition of the assignment		
7			Mathematical structure of the problem		
8			The first way to solve the assignment problem		
9			The second way to solve the assignment problem		
10			First semester exam		
11			Definition of game theory		
12			Basic concepts in game theory		
13			How to create a return matrix		
14			Probability method		
15			Drawing method		

11.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

12.Learning and Teaching Resources



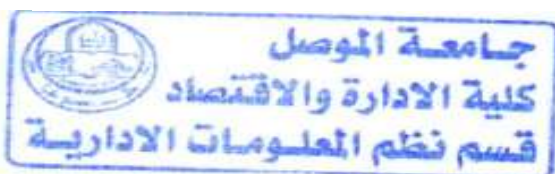
Required textbooks (curricular books, if any)	Jazaa, Abdul Diab (1986) "Operations Research" Second Edition.
Main references (sources)	- Al-Darakzali, Khawla Khaled (2022) "Introduction to Operations Research", Dar Al-Akademoon Publishing and Distribution Company, Amman, Hashemite Kingdom of Jordan. - Al-Jawad, Dalal Sadiq & Al-Fattal, Hamid Nasser (2008) "Operations Research", Arabic Edition, Amman, Jordan.
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	




 أ.م.د. رمضان محمود الإبراهيمي
 رئيس قسم نظم المعلومات الإدارية



 رنا بشار

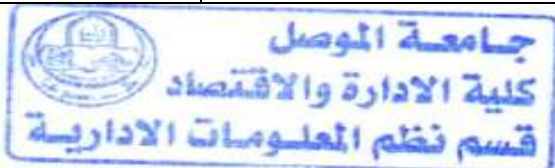


 جامعة الموصل
 كلية الإدارة والاقتصاد
 قسم نظم المعلومات الإدارية

Course Description Form / Fourth Stage / First Semester

University: Mosul, College: Administration and Economics,
Department: Management Information Systems

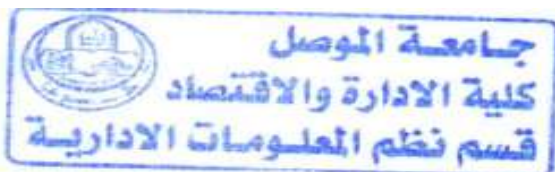
13.Course Name:	
Production management1	
14.Course Code:	
EMI23_F406	
15.Semester / Year:	
1st semester / 2025-2026	
16.Description Preparation Date:	
28/9/2025	
17.Available Attendance Forms:	
Attendance in class and Lab.	
18.Number of Credit Hours (Total) / Number of Units (Total)	
45 hours	
19.Course administrator's name (mention all, if more than one name)	
Name: Bassam A. Alyouzbaky - Email: bassam_abdalrahman@uomosul.edu.iq	
20.Course Objectives	
Course Objectives	The course aims to provide the student with scientific knowledge related to managing the production process in organizations, by knowing the types of production systems, the production techniques used, and learning about methods of forecasting demand and planning production capacity.
21.Teaching and Learning Strategies	
Strategy	<ul style="list-style-type: none">• The lecture: consists of theoretical explanations of the basic concepts of production management• Case studies: They are a group of problems adapted from organizations



- Exercises and applications: Practical exercises using Excel.

22.Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1.	3	Understand	An introductory introduction to production management	Lecture	Participate
2.	3	Understand	Historical development of production management	Lecture	Participate
3.	3	Understand	Production management strategy	Lecture	Participate
4.	3	Understand	Production system and its classifications	Lecture	Participate
5.	3	Understand	Concepts of forecasting and its descriptive methods	Lecture	Participate
6.	3	Understand	Quantitative methods for forecasting demand	Lecture	Participate
7.	3	Understand	Product design and development	Lecture	Participate
8.	3	Understand	Production capacity planning	Lecture	Participate
9.	3	Understand	Long-term energy stages and decisions	Lecture	Participate
10.	3	Understand	Choosing an industrial project site	Lecture	Participate
11.	3	Understand	The role of Artificial intelligence in industrial project site	Lecture	Participate
12.	3	Understand	Internal arrangement of the factory	Lecture	Participate



13.	3	Understand	Design and measurement of production work	Lecture	Participate
14.	3	Understand	Aggregate production planning	Lecture	Participate
15.	3	Understand	Inventory management	Lecture	Participate

Course Evaluation

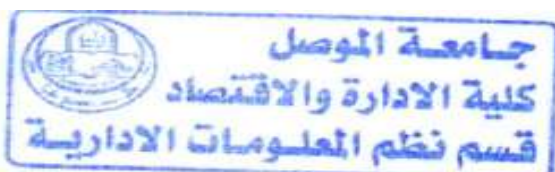
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc

16. Learning and Teaching Resources

Required textbooks (curricular books, if any)	محسن عبدالكريم و النجار، صباح مجيد، (2012)، إدارة الإنتاج والعمليات، ط2، الذاكرة للنشر والتوزيع
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

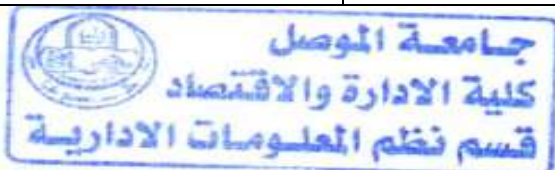

 أ.م.د. م. م. الفيز
 رئيس قسم نظم المعلومات الادارية


 د. بسام عبد الرحمن الخاف



Course Description Form

23. Course Name:	Strategic Management – Fourth Stage		
24. Course Code:	AEMI24_F403		
25. Semester / Year:	2025-2024		
26. Description Preparation Date:	2025/4/28		
27. Available Attendance Forms:	Attendance in the classroom		
28. Number of Credit Hours (Total) / Number of Units (Total)	45		
29. Course administrator's name (mention all, if more than one name)	Name: Dr. Faraj Naghamish Faraj Al-Shammari Email: farag_farag@uomosul.edu.iq		
30. Course Objectives	<table border="1"><tr><td>Course Objectives</td><td>Introducing students to strategy and strategic management, its development, components, stages, levels, obstacles, factors for the success of its implementation, strategic decisions, and the difference between strategy and plan. It also introduces students to the organization's vision, its importance, and elements, the organization's mission, its importance, the steps for preparing it, the criteria for preparing a good mission, the factors influencing it, and its relationship to the organization's philosophy. It also</td></tr></table>	Course Objectives	Introducing students to strategy and strategic management, its development, components, stages, levels, obstacles, factors for the success of its implementation, strategic decisions, and the difference between strategy and plan. It also introduces students to the organization's vision, its importance, and elements, the organization's mission, its importance, the steps for preparing it, the criteria for preparing a good mission, the factors influencing it, and its relationship to the organization's philosophy. It also
Course Objectives	Introducing students to strategy and strategic management, its development, components, stages, levels, obstacles, factors for the success of its implementation, strategic decisions, and the difference between strategy and plan. It also introduces students to the organization's vision, its importance, and elements, the organization's mission, its importance, the steps for preparing it, the criteria for preparing a good mission, the factors influencing it, and its relationship to the organization's philosophy. It also		



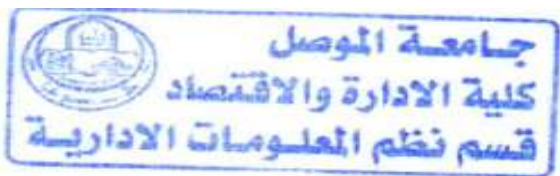
	<p>introduces students to the organization's external environment, its components, the importance of studying it, the types of information in environmental scanning, the characteristics of the information environment, classifications of the external environment, dimensions of environmental analysis, analysis of the internal environment, the importance of analyzing it, its elements and approaches, resources of the information society, and information failure.....</p> <ul style="list-style-type: none"> • •
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31. Teaching and Learning Strategies

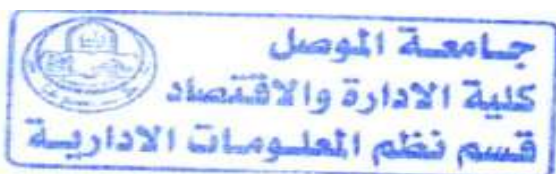
Strategy	<ul style="list-style-type: none"> • Lecture: This consists of theoretical explanations of the basic concepts of scientific research. • Case studies: This is a set of problems taken from organizations.
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32. Course Structure

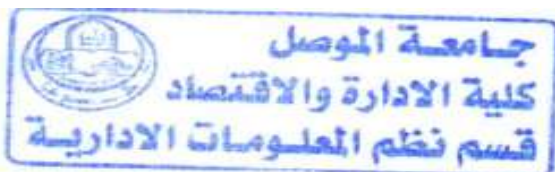
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3	1	Strategy, Strategic Management, Its Development, and	traditional lecture	Participation



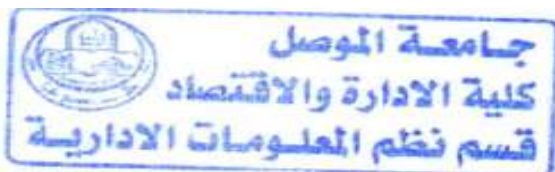
			Components		
2	3	1	Stages and Levels of Strategic Management and the Difference Between Strategy and Plan	traditional lecture	Participation
3	3	1	Obstacles Facing Strategic Management and Factors for Successful Implementation	traditional lecture	Participation
4	3	2	The Concept of Strategic Vision, Its Importance, and Elements	Discussion with the use of Data Show	Participation
5	3	1	The Concept of Mission, Its Importance, and the Importance of Developing a Clear Mission	Discussion with the use of Data Show	surprise test
6	3	2	Steps for Preparing an Organization's	Traditional lecture with	Participation



			Mission, the Factors Influencing It, Criteria for its Preparation, and Its Relationship to the Organization's Philosophy	discussion of ideas	
7	3	2	Definition of the External Environment, Its Components, and the Importance of Studying It	Problem analysis with case studies	Participation
8	3	2	Types of Information in Environmental Scanning and Characteristics of the Information Environment	Discuss ideas with case studies	Participation
9	3	2	Dimensions of Environmental Analysis and Classifications of the External Environment	Discuss ideas with case studies	Participation



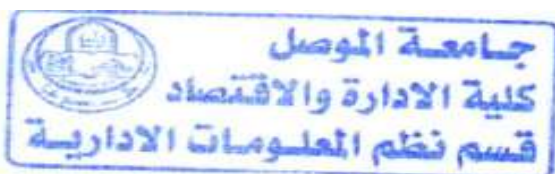
10	3	2	The General and Specific External Environment	Discuss ideas with case studies	midterm exam
11	3	1	The concept of the internal environment and the importance of analyzing it	Traditional lecture with case studies	Participation in case studies
12	3	1	Elements of the internal environment and resources of the information society	Traditional lecture with case studies	Participation
13	3	4	Approaches to internal analysis and information failure	Problem analysis with case studies	Participation
14	3	4	Porter's model for industry analysis	traditional lecture	Participation
15	3	4	Types of competitive strategies and the best competitive strategy	traditional lecture	Participation



33. 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	
34. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	
Main references (sources)	Al-Suqour, Majd, and Al-Sarna, Raad, 2018. Strategic Management, Syrian Virtual University.
Recommended books and references (scientific journals, reports...)	Academic Journals and Research
Electronic References, Websites	The Internet, Iraqi Academic Scientific Journals, YouTube

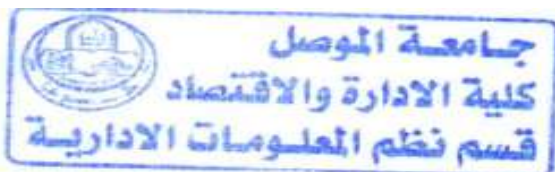

 أ.م.د. رمضان محمود الالبيدي
 رئيس قسم نظم المعلومات الادارية


 د. فواز نفيس م. ج.



Course Description Form

35. Course Name:	financial management
36. Course Code:	AEMI25_F405
37. Semester / Year:	the first / 2025-2026
38. Description Preparation Date:	2025/9/29
39. Available Attendance Forms:	In the Classroom
40. Number of Credit Hours (Total) / Number of Units (Total)	45 hours
41. Course administrator's name (mention all, if more than one name)	Name: Prof. Dr. Ali Abdulfattah Alshaher Email: a.alshaher@uomosul.edu.iq
42. Course Objectives	<p>Course Objectives</p> <p>The course aims to provide the student with scientific knowledge related to financial management in organizations, through:</p> <ul style="list-style-type: none">• Discuss the basic activities in the financial function.• Study the objectives of financial management.• Studying methods for dealing with financial analysis



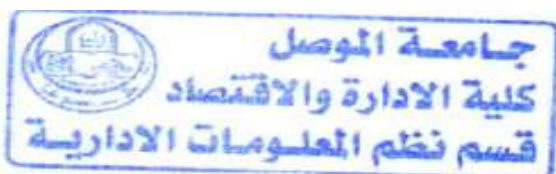
	<p>of financial statements.</p> <ul style="list-style-type: none"> • Studying financial forecasting and the possibility of benefiting from its outputs. • Study of break-even analysis and operating leverage. • Study some recent trends in financial management.
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43. Teaching and Learning Strategies

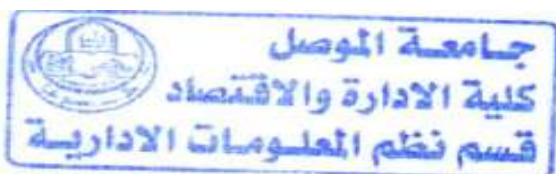
Strategy	<p>1- Discussion method.</p> <p>2. Project method.</p> <p>3. Method of practical presentations.</p> <p>4. Cooperative learning method.</p>
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44. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3	Students' knowledge of the concept of financial management	Introduction to financial management (the concept, the field of financial management and other fields of knowledge)	Discussion	Daily Preparation
2	3	Students' knowledge of the roles and responsibilities of the financial manager	CFO (Responsibility and Role of CFO)	Discussion	Daily Preparation
3	3	Understanding financing decisions	Financing decisions	Discussion	Oral Exam
4	3	Understanding investment decisions	Investment decisions	Discussion	Daily Preparation



5	3	Understanding working capital/dividend decisions	Working capital decisions/dividend decisions	Discussion	Daily Preparation
6	3	Determining the relationship between return and risk	The relationship between return and risk	Lecture	Daily Exam
7	3	Understanding the objectives of financial management	Financial management objectives	Scientific Presentations	Daily Preparation
8	3	Understanding the basics of financial statements	Basics of financial statements (balance sheet statement / income statement)	Lecture	Monthly Exam
9	3	Analyzing complex financial problems and proposing innovative solutions	Cash flow analysis	Cooperative Learning	Daily Preparation
10	3	Reading and analyzing financial statements to make strategic financial decisions	Financial performance analysis (review of financial statements / selection of the benchmark)	Cooperative Learning	Daily Exam
11	3	Reading and analyzing financial statements to make strategic financial decisions	Analysis of basic financial indicators	Cooperative Learning	Daily Preparation

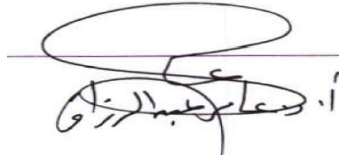


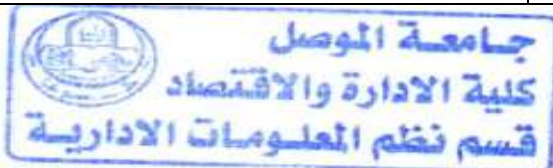
12	3	Reading and analyzing financial statements to make strategic financial decisions	Analysis of basic financial indicators	Cooperative Learning	Daily Preparation
13	3	Understanding basic concepts, such as financial planning and financial forecasting	Financial planning and financial forecasting	Scientific Presentations	Daily Preparation
14	3	Understanding financial control	Break-even analysis/operating leverage analysis	Lecture	Monthly Exam
15	3	Knowledge and skills related to understanding how financial markets work	Stock markets	Project	Report

45. 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

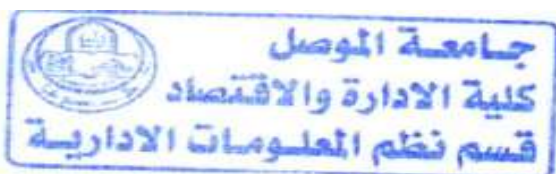
46. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	الإدارة المالية الحديثة تأليف الاستاذ الدكتور محمد علي ابراهيم العامري، دار وائل للنشر، الطبعة الاولى، 2013.
Recommended books and references (scientific journals, reports...)	مجلة تنمية الرافيدين 



Course Description Form

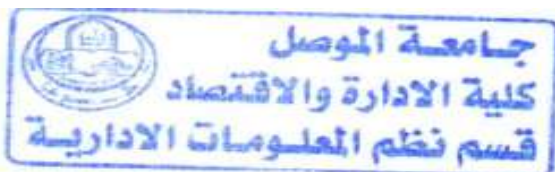
47. Course Name:	Knowledge management		
48. Course Code:	AEMI24_F407		
49. Semester / Year:	2025-2026		
50. Description Preparation Date:	15/9/2025		
51. Available Attendance Forms:	In the Classroom		
52. Number of Credit Hours (Total) / Number of Units (Total)	60 hours		
53. Course administrator's name (mention all, if more than one name)	Name: Amir A. Abdulmuhsin Email: Dr.amir_almasser@uomosul.edu.iq		
54. Course Objectives	<table border="1"><tr><td>Course Objectives</td><td>Providing the student with an understanding of managing the processes of generating, acquiring, storing, sharing, applying and using knowledge in order to enhance several aspects in organizations, the most important of which is achieving learning and competitive advantage.</td></tr></table>	Course Objectives	Providing the student with an understanding of managing the processes of generating, acquiring, storing, sharing, applying and using knowledge in order to enhance several aspects in organizations, the most important of which is achieving learning and competitive advantage.
Course Objectives	Providing the student with an understanding of managing the processes of generating, acquiring, storing, sharing, applying and using knowledge in order to enhance several aspects in organizations, the most important of which is achieving learning and competitive advantage.		
55. Teaching and Learning Strategies	<table border="1"><tr><td>Strategy</td><td>• The lecture: consists of theoretical explanations of the basic concepts of</td></tr></table>	Strategy	• The lecture: consists of theoretical explanations of the basic concepts of
Strategy	• The lecture: consists of theoretical explanations of the basic concepts of		



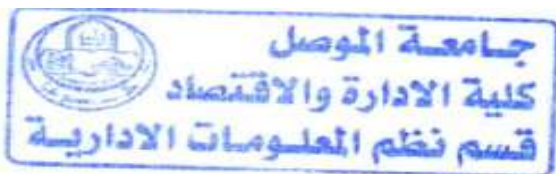
	<p>scientific research</p> <ul style="list-style-type: none"> • Case studies: They are a group of problems adapted from organizations • Active listening • Self-criticism • information analysis • Remembering • Expanding the student's knowledge of different methodological sources
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56. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2		Introduction to knowledge management		Q&A discussion
2	2		The two main types of knowledge		Q&A
3	2		The importance of knowledge management		Q&A and quizzes
4	2		Knowledge management processes: generation and acquisition		Q&A and discussion
5	2		Knowledge		Q&A and



			management processes: storage and retrieval		quizzes
6	2		Knowledge management processes: sharing and transfer		Q&A and quizzes
7	2		Knowledge management processes: application and use		Q&A and discussion
8	2		Knowledge management life cycles model 1 and 2		Q&A and quizzes
9	2		Knowledge management life cycles model 3 and 4		Applied exercises and Exam
10	2		Knowledge management success models: Model 1 and 2		Q&A
11	2		Knowledge management success models: Model 3 and 4		Q&A
12	2		Factors affecting knowledge management		Q&A and quizzes
13	2		Knowledge management strategy:		Q&A



			formulation, implementation and control		
14	2		The future of knowledge management		Q&A and quizzes
15	2		Exam + discussion		Applied exercises and Exam

57. Course Evaluation

- 17-Final exams 60%
- 18-monthly tests 20%
- 19-assignments 10%
- 20-class contribution 10%

58. Learning and Teaching Resources

المصادر

الناصر، عامر عبد الرزاق عبد المحسن (2015)، ادارة المعرفة في اطارنظم ذكاء الاعمال " الطبعة الاولى ،
اليازوري للنشر والتوزيع ، عمان – الاردن

Becerra-Fernandez,I and R.Sabherwal(2015)"

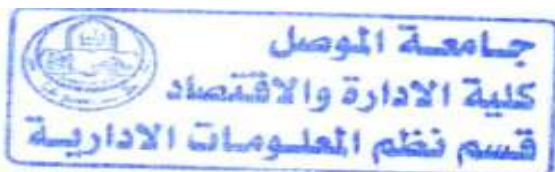
Knowledge Management systems and processes ,tayoer &Francis ,new York

North,K.and G. Kumta (2018)

"Knowledge Management : value Creation

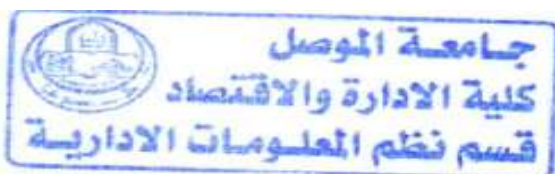
Through Organizational .Learning " 2nd

ED.,Springer international publishing ,Switzerland



Course Description Form

1. Course Name:	
Artificial Intelligent / First course/Fourth grade	
2. Course Code:	
AEMI25_ F409	
3. Semester / Year:	
2026-2025	
4. Description Preparation Date:	
28/8/2025	
5. Available Attendance Forms:	
Mandatory attendance for (15 weeks)	
6. Number of Credit Hours (Total) / Number of Units (Total)	
3 hours per week / Number of units: 2	
7. Course administrator's name (mention all, if more than one name)	
Name: Luma Fawaz Jarallah Email: luma_fawaz@uomosul.edu.iq	
8. Course Objectives	
Course Objectives	<ul style="list-style-type: none">• Understanding the definitions of artificial intelligence.• Knowledge representation methods.• Understanding artificial intelligence techniques.• Machine learning, expert systems, and artificial neural networks.

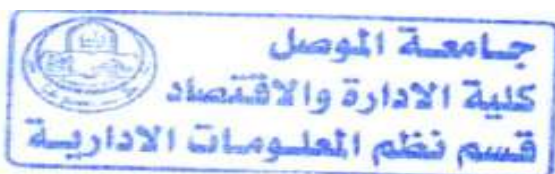


9. Teaching and Learning Strategies

Strategy	<ol style="list-style-type: none"> 1. Attendance and Participation. 2. Individual Assessment: Based on the quality of discussion, asking questions, and presenting solutions. 3. Group Assessment: The ideas presented in the required assignments 4. Daily Exams. 5. Final Exam (Semester, Midterm, and Final).
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10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3	Scientific skills	History of Artificial Intelligence	Theoretical + practical	Questions and Answers
2	3	Scientific skills	Definitions of Artificial Intelligence	Theoretical + practical	Questions and Answers
3	3	Scientific skills	Characteristics of Artificial Intelligence	Theoretical + practical	Questions and Answers
4	3	Knowledge and understanding	Artificial Intelligence Design	Theoretical + practical	Questions and Answers
5	3	Knowledge and understanding	Artificial Intelligence Applications 1	Theoretical + practical	Questions and Answers
6	3	Knowledge and understanding	Artificial Intelligence Applications 2	Theoretical + practical	Questions and Answers
7	3	Knowledge and understanding	Artificial Intelligence Applications 3	Theoretical + practical	Questions and Answers
8	3	Technical skills	Artificial Intelligence Applications 4	Theoretical + practical	
9	3	Technical skills	Daily Exam	Theoretical + practical	Exams
10	3	Technical skills	Artificial Intelligence Tools and Problems	Theoretical + practical	Questions and Answers
11	3	Technical skills	Research Algorithms	Theoretical +	Questions and



				practical	Answers
12	3	mental skills	search Methods in Artificial Intelligence 1	Theoretical + practical	Questions and Answers
13	3	mental skills	search Methods in Artificial Intelligence 2	Theoretical + practical	Questions and Answers
14	3	mental skills	ecture of the Research Field in Ai	Theoretical + practical	Questions and Answers
15	3		Semester Exam		

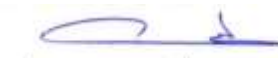
11. Course Evaluation

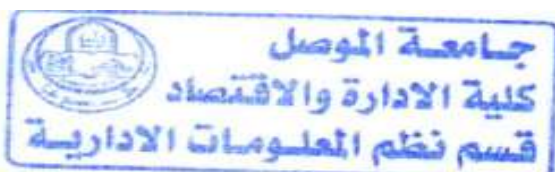
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Artificial Intelligence and Education (2020), by Tawfiq Abdullah Al-Kamel
Main references (sources)	Artificial Intelligence: Concepts and Technologies by Dr. Alaa Abdelkhalik Hussein, 2024
Recommended books and references (scientific journals, reports...)	<ul style="list-style-type: none"> • International Journal of Artificial Intelligence in Education and Training • Journal of Artificial Intelligence and Information Security
Electronic References, Websites	https://www.edutechtechnology1.com/2024/01/artificial-intelligence-books-pdf.html

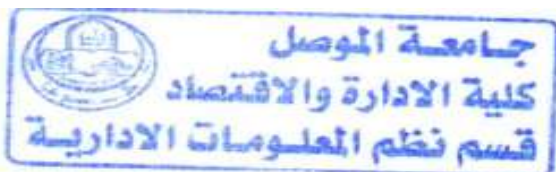

 أ.م. د. رمضان محمود الأبيهم
 رئيس قسم نظم المعلومات الإدارية


 أ.م. د. رمضان محمود الأبيهم



Course Description Form

1. Course name:	Statistical applications on the computer
2. Course code:	AEMI25_F411
3. Semester/Year:	2026_2025
4. Date this description was prepared:	29-09-2025
5. Available attendance forms:	Mandatory attendance in the hall and laboratory
6. Number of study hours (total) / Number of units total :	60hours per course, 3 hours per week
7. Name of course administrator	Assistant Lecturer Sayf Mohamed Dhyia Younis Al-Ashqar sayf.alashqar@uomosul.edu.iq
8. Course objectives	<p>To become familiar with the concept of statistical applications on computers as the basis for all studies, to understand how to benefit from statistical applications in addressing information systems problems, to know the role of statistical applications and their characteristics, to qualify the student with the necessary knowledge and the uses and behaviors of information among different categories of beneficiaries, to increase the students' ability to</p> <p>A. Understanding basic concepts. B. Using reference sources. C. Understanding technology.</p>



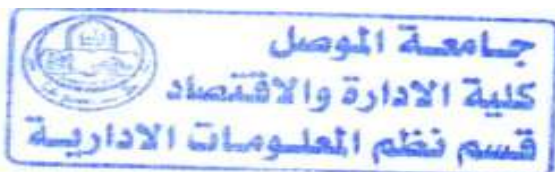
think and perform statistical analysis	
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9. Teaching and learning strategies

<p>A. -Case studies and practical projects.</p> <p>B. -Group discussions.</p> <p>C. c-Use of multimedia.</p> <p>D. -Active learning techniques.</p> <p>C. f-Use of information and communication technology.</p> <p>H. -Encouraging collaborative learning.</p> <p>G. -Providing constructive feedback.</p> <p>These strategies can help enhance students' learning experience and achieve the learning objectives set for the course "Computer Applications of Statistical Applications".</p>	Strategy
--	-----------------

10. Course structure

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	week
<ul style="list-style-type: none"> •Weekly, monthly, daily, and written tests •Homework and daily preparation •Interaction, questions, and discussions 	Understanding basic concepts.	Statistical application on computer	•Basics	3hour	1
	Research and exploration.		For Advanced Statistics	3hour	2
	Solving practical problems.		•Normal Distribution	3hour	3
	Interaction and discussion.		•Distribution Concepts, Including the Standard Normal	3hour	4
	Continuous assessment.		•T Distribution	3hour	5
	Practical application.		•F Distribution	3hour	6
	Encouraging self-learning.		•Chi-Square Distribution Concepts	3hour	7
	These steps help facilitate th		•Analysis of Variance Concept	3hour	8
			•SPSS Program	3hour	9
			•Introduction to SPSS	3hour	10
				3hour	11



	learning process of Statistics Applications on Computers in effective and comprehensive manner.		•Summary of the computer application of the program on above distributions	3hour	12
				3hour	13
			•Completion of the application	3hour	14
				3hour	15

11. Course Evaluation

Formative Assessment: Daily Tests 2.5% 5

Reports 1.5% 5

Participations 1.5% 5

Practical Test 2.5% 10

Summative Assessment: Midterm Exam 3 hours 20% 10

Final Exam 3 hours 60% 50

Final Score 100% 100

12. Learning and teaching resources

Statistics, Amir Hanna Hormuz

Statistics, Khashe'a Al-Rawi

Statistical Analysis Using SPSS, Osama Rabie Amin

Required textbooks –methodology

Al-Khader Ali Al-Khader Researcher, Computer Basics 20

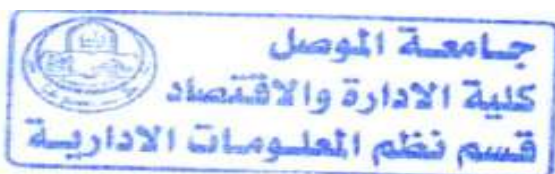
Main References –Sources

Statistical analysis of questionnaires using SPSS
Ghaith Al-Bahr

Supporting books and references

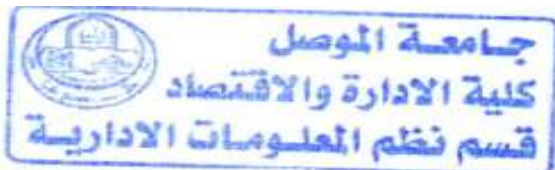
<https://www.ibm.com/products/spss-statistics>

Electronic references, websites



Course Description Form

59. Course Name:	Scientific research methods		
60. Course Code:	AEMI25_F412		
61. Semester / Year:	2025-2026		
62. Description Preparation Date:	28/4/2025		
63. Available Attendance Forms:	In the Classroom		
64. Number of Credit Hours (Total) / Number of Units (Total)	30 hours		
65. Course administrator's name (mention all, if more than one name)	Name: Assistant Lecturer Sayf Mohamed Dhyia Younis Al-Ashqar sayf.alashqar@uomosul.edu.iq		
66. Course Objectives	<table border="1"><tr><td>Course Objectives</td><td>It aims to develop ways of life, facilitate livelihoods, and solve the problems they face in various fields. For the purpose of achieving this, a person always seeks to think about the methods that enable him to do so, and one of the most prominent methods adopted by organizations and countries that have proven to be very effective is scientific research, and</td></tr></table>	Course Objectives	It aims to develop ways of life, facilitate livelihoods, and solve the problems they face in various fields. For the purpose of achieving this, a person always seeks to think about the methods that enable him to do so, and one of the most prominent methods adopted by organizations and countries that have proven to be very effective is scientific research, and
Course Objectives	It aims to develop ways of life, facilitate livelihoods, and solve the problems they face in various fields. For the purpose of achieving this, a person always seeks to think about the methods that enable him to do so, and one of the most prominent methods adopted by organizations and countries that have proven to be very effective is scientific research, and		



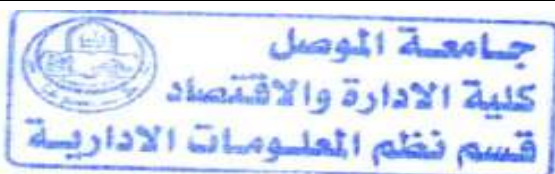
obtaining the required knowledge is done through scientific research methods.

67. Teaching and Learning Strategies

Strategy	<ul style="list-style-type: none"> • - Lecture style • - Homeworks • - Class participations <p>Guidance on ways and means that lead to achieving goals through approved approaches in scientific research.</p> <p>Use explanatory slides supported by realistic examples that illustrate the mechanism of applying the correct steps and approved paths to ensure the achievement of the results that are sought to be achieved.</p> <p>Completing scientific research in a scientific and practical manner that contributes to the application of what has been concluded through the concepts of scientific research methods.</p>
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68. Course Structure

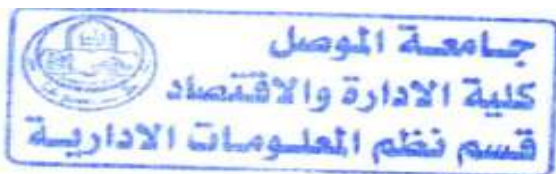
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Clarifying the information	Introduction to scientific research	Explaining in the lecture	Q&A discussion
2	2	Clarifying information	Characteristics of a scientific researcher	Lecture and discussion	Q&A
3	2	Clarifying information	Types of scientific research	Lecture and discussion	Q&A and quizzes
4	2	Clarifying information	Stages of scientific research and its procedures	Lecture and discussion	Q&A and discussion



5	2	Clarifying information	Research hypotheses	Lecture and discussion	Q&A and quizzes
6	2	Clarifying information	Previous research	Lecture and discussion	Q&A and quizzes
7	2	Clarifying information	Research Methods	Lecture and discussion	Q&A and discussion
8	2	Clarifying information	Data collection	Lecture and discussion	Q&A and quizzes
9	2	Clarifying information	Data collection tools	Lecture and discussion	Applied exercises and Exam
10	2	Clarifying information	The questionnaire	Lecture and discussion	Q&A
11	2	Clarifying information	Tests and standards	Lecture and discussion	Q&A
12	2	Clarifying information	Characteristics of measuring tools	Lecture and discussion	Q&A and quizzes
13	2	Clarifying information	The research community and its samples	Lecture and discussion	Q&A
14	2	Clarifying information	Documentation of scientific research	Lecture and discussion	Q&A and quizzes
15	2	Clarifying information	Discussing the research recorded for the fourth stage	Lecture and discussion	Applied exercises and Exam

69. Course Evaluation

- 21-Final exams 60%
- 22-monthly tests 20%
- 23-assignments 10%
- 24-class contribution 10%



70. Learning and Teaching Resources

A systematic book

Al-Hamdani, Muwaffaq and others, "Scientific Research Methods: Basics of Scientific Research"

Al-Warraaq Publishing and Distribution Foundation, Amman, Jordan

Helper book

Scientific research methods in the human sciences by Talal Kaddawi and Abdel Aziz Mustafa

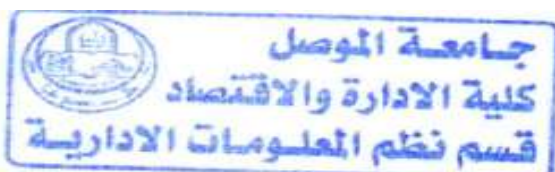
Dar Ibn Al-Atheer for Printing and Publishing, University of Mosul - Iraq



أ.م.د. مرقصان محمود الإبراهيمي
رئيس قسم نظم المعلومات الإدارية



أ.م.د. مرقصان محمود الإبراهيمي

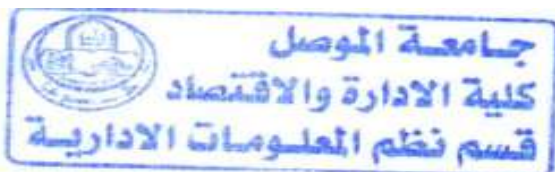


Course Description Form / Fourth Stage / Second Semester

University: Mosul, College: Administration and Economics, Department:
Management Information Systems

Course Description Form

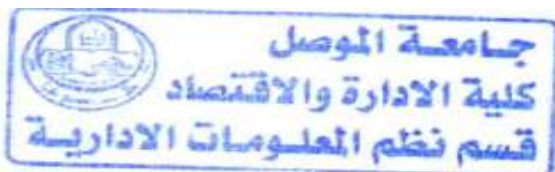
1. Course Name:	
Production management2	
2. Course Code:	
EMI23_F406	
3. Semester / Year:	
2nd semester / 2025-2026	
4. Description Preparation Date:	
1/10/2025	
5. Available Attendance Forms:	
Attendance in class	
6. Number of Credit Hours (Total) / Number of Units (Total)	
45 hours	
7. Course administrator's name (mention all, if more than one name)	
Name: Bassam A. Alyouzbaky -Email: bassam_abdallah@uomosul.edu.iq	
8. Course Objectives	
Course Objectives	The course aims to provide the student with scientific knowledge related to managing the production process in organizations, by knowing the types of production systems, the production techniques used, and learning about methods of forecasting demand and planning production capacity.
9. Teaching and Learning Strategies	
Strategy	<ul style="list-style-type: none">The lecture: consists of theoretical explanations of the basic concepts of production management.



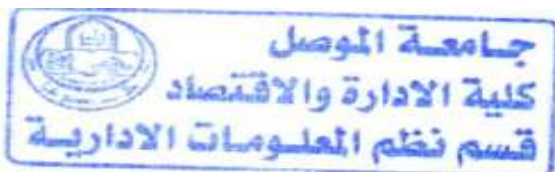
- Case studies: They are a group of problems adapted from organizations
- Exercises and applications: Practical exercises using Excel.

10.Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1.	3	Understand	Intro. Manufacturing IS	Lecture	Participate
2.	3	Understand	Introduction to MRP	Lecture	Participate
3.	3	Understand	1 MRP: MPS	Lecture	Participate
4.	3	Understand	2 MRP: BOM	Lecture	Participate
5.	3	Understand	3 MRP: Inventory records	Lecture	Participate
6.	3	Understand	Just in Time (JIT)	Lecture	Participate
7.	3	Understand	Automated production systems	Lecture	Participate
8.	3	Understand	Supply Chain Management	Lecture	Participate
9.	3	Understand	Quality management	Lecture	Participate
10.	3	Understand	Optimal production technology and its rule	Lecture	Participate
11.	3	Understand	Holonic production system	Lecture	Participate
12.	3	Understand	Computer-based production systems	Lecture	Participate
13.	3	Understand	Directed parts production information systems	Lecture	Participate

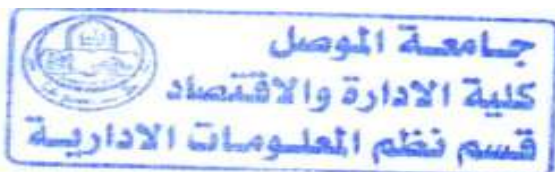


14.	3	Understand	The Fourth Industrial Revolution and Artificial Intelligence in Production	Lecture	Participate
15.	3	Understand	Manufacturing information systems	Lecture	Participate
16. Course Evaluation					
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc					
17. Learning and Teaching Resources					
Required textbooks (curricular books, if any)			محسن عبدالكريم و النجار، صباح مجيد، (2012)، إدارة الإنتاج والعمليات، ط2، الذاكرة للنشر والتوزيع		
Main references (sources)					
Recommended books and references (scientific journals, reports...)					
Electronic References, Websites					



Cours Description

1. Course name and academic level	
Stage Four –Course Two / Strategic Information Systems	
2. Course Code	
AEMI25_ F404	
3. Term/Year .	
2025 -2026	
4. Date this description was prepared .	
2025/8/28	
5. Available attendance formats	
(Mandatory attendance for (15 weeks	
6. Total number of study hours / Total number of units	
hours per week / Number of units: 3	
7. Name of the course coordinator (if there is more than one, please state it) and c titleacademi	
Name : Prof. Dr. Mohamed Mostafa Hussein Hassan Email : Mohamed_hasan@uomosul.edu.iq	
8. Course Objectives	
This course serves as an introduction to the study of economics, equipping students with sufficient vanced information systems. knowledge of ad These systems are considered strategic and contribute to the completion of core tasks by senior management, as well as being used in making to solve unstructured -strategic decision problems within organizations. Emphasis is ed on the digital transformation of these plac systems in light of contemporary technological	Course objectives



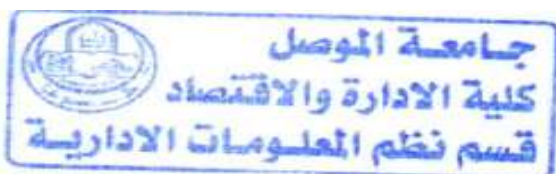
.advancements	
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9. Teaching and learning strategies .

Attendance and participation .1 Individual assessment: through the .2 and ' quality of discussion, questioning presentation of solutions presented in Ideas :Group assessment .3 the required assignments Daily tests .4 Year + -Final Exam (Semester + Mid .5 (Year-of-End	:Strategy
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10. Course Structure .

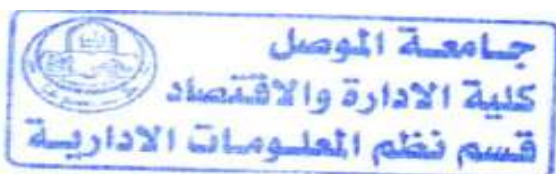
Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
Questions and Answers	theoretical	Introduction to Strategic Information Systems	Scientific skills	3	1
Questions and Answers	theoretical	Introduction to Strategic Information Systems	Scientific skills	3	2
Questions and Answers	Theory + Practical	tion to Introduc Strategic Information Systems	Scientific skills	3	3
Questions and Answers	Theory + Practical	Importance and objectives of strategic information systems	Knowledge and understanding	3	4
Questions and Answers	Theory + Practical	and Importance objectives of strategic information systems	Knowledge and understanding	3	5



Questions and Answers	Theory + Practical	Characteristics and components of strategic information systems	Knowledge and understanding	3	6
Questions and Answers	Theory + Practical	Strategic Information Systems Planning	Knowledge and understanding	3	7
Exams	Theory + Practical	Strategic Information	mental skills	3	8
Duties	Theory + Practical	Strategic Information		3	9
Duties	Theory + Practical	Effectiveness of information strategic information systems	mental skills	3	10
Exams	Theory + Practical	The development of strategic information systems	mental skills	3	11
Duties	Theory + Practical	The development of strategic information systems	mental skills	3	12
Exams	Theory + Practical	development of The development of strategic information systems	mental skills	3	13
Duties	Theory + Practical	The development of strategic information systems	mental skills	3	14
		Strategic Information Systems Security		3	15

Course evaluation and grade breakdown . .11

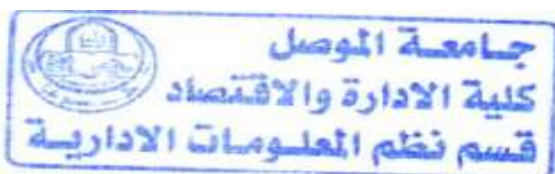
The grade out of 100 is distributed according to the tasks assigned to the student, such as daily Th
preparation, daily, oral, monthly, and written exams, reports, etc



Learning and teaching resources . 12	
Khafaji, -Abd and Al Ta'i, Muhammad-Al Ni'ma Abbas, (2019), " Strategic Information Systems: A Respiratory Advantage Perspective".	(textbooks (methodology, if applicable)
Galliers , Robert D. & Leidner , Dorothy E. (2009), "Strategic Information Management: Challenges and Strategies in Managing Information Systems", 5th Edition.	(Main references (sources
Yahya, Nour Zuhair, (2019), "The role of strategic information systems outputs in . "achieving entrepreneurship	Recommended supporting books and references (...scientific journals, reports)
%10	eCurriculum update rat

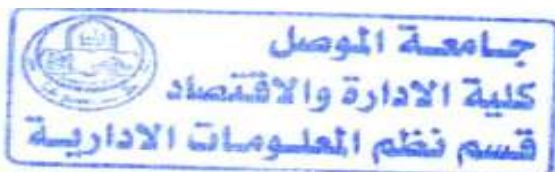

 أ.م.د. رمضان محمود الإبراهيمي
 رئيس قسم نظم المعلومات الإدارية


 أ.د. محمد هادي



Course Description Form

71. Course Name:	Financial and banking information systems		
72. Course Code:	AEMI25_F406		
73. Semester / Year:	the second/ 2025-2026		
74. Description Preparation Date:	2025/9/29		
75. Available Attendance Forms:	In the Classroom		
76. Number of Credit Hours (Total) / Number of Units (Total)	45 hours		
77. Course administrator's name (mention all, if more than one name)	Name: Prof. Dr. Ali Abdulfattah Alshaher Email: a.alshaher@uomosul.edu.iq		
78. Course Objectives	<table border="1"><tr><td>Course Objectives</td><td><p>The course aims to provide the student with scientific knowledge related to financial and banking information systems, through:</p><ul style="list-style-type: none">• Study of the financial information system model.• Study of banking information system resources.• Study of the quality of the banking information</td></tr></table>	Course Objectives	<p>The course aims to provide the student with scientific knowledge related to financial and banking information systems, through:</p> <ul style="list-style-type: none">• Study of the financial information system model.• Study of banking information system resources.• Study of the quality of the banking information
Course Objectives	<p>The course aims to provide the student with scientific knowledge related to financial and banking information systems, through:</p> <ul style="list-style-type: none">• Study of the financial information system model.• Study of banking information system resources.• Study of the quality of the banking information		



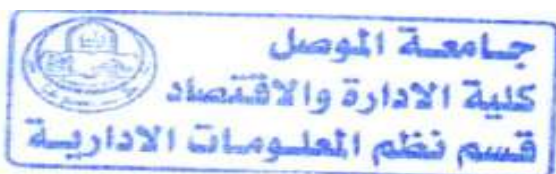
	<p>system.</p> <ul style="list-style-type: none"> • Knowing the types of information systems used in banks.
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79. Teaching and Learning Strategies

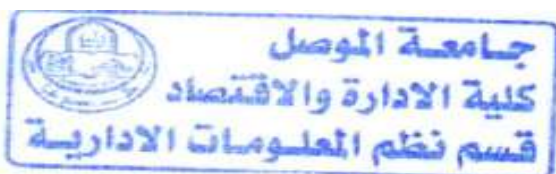
Strategy	<p>1- Discussion method.</p> <p>2. Project method.</p> <p>3. Method of practical presentations.</p> <p>4. Cooperative learning method.</p>
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80. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3	Understanding systems theory	Introduction and systems theory	Discussion	Daily Preparation
2	3	Knowledge of the approaches to studying information systems	Introductions to the study of information systems	Discussion	Daily Preparation
3	3	Students' knowledge of the concept of financial information systems and its components	Financial information system	Discussion	Oral Exam
4	3	Analysis of a financial information	Accounting information system, internal audit information system, financial	Discussion	Daily Preparation



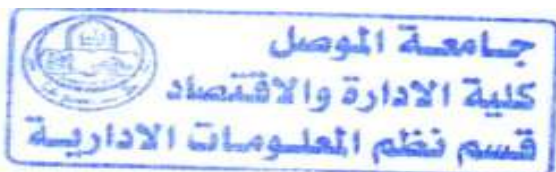
		system and knowledge of the subsystems of its inputs and outputs	intelligence information system		
5	3	Analysis of a financial information system and knowledge of the subsystems of its inputs and outputs	Forecasting information system, money management information system, financial control information system	Discussion	Daily Preparation
6	3	Understanding of banking information systems and knowledge of their main roles in banks	Banking information systems	Lecture	Daily Exam
7	3	Knowledge and skills related to analyzing and developing financial and banking information systems	Banking information system resources	Scientific Presentations	Daily Preparation
8	3	Knowledge and skills related to improving the quality of information provided by these systems	Quality of banking information system	Lecture	Monthly Exam



9	3	Ability to work with all information systems used in banks	Classification of banking information systems	Cooperative Learning	Daily Preparation
10	3	Ability to work with all information systems used in banks	Banking operating systems	Cooperative Learning	Daily Exam
11	3	Ability to work with all information systems used in banks	Administrative information system	Cooperative Learning	Daily Preparation
12	3	Ability to work with all information systems used in banks	Decision support systems	Cooperative Learning	Daily Preparation
13	3	Ability to work with all information systems used in banks	Analytical modeling of decision support systems	Scientific Presentations	Daily Preparation
14	3	Ability to work with all information systems used in banks	artificial intelligence	Lecture	Monthly Exam
15	3	Ability to work with all information systems used in banks	Expert banking systems	Project	Report


81. Course Evaluation

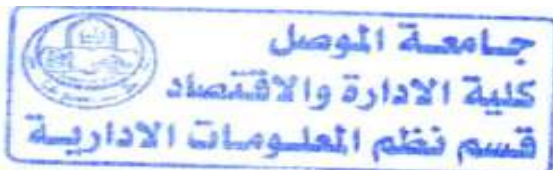
Distributing the score out of 100 according to the tasks assigned to the student such as



daily preparation, daily oral, monthly, or written exams, reports etc	
82. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	
Main references (sources)	طارق طه، (2000)، "ادارة البنوك ونظم المعلومات المصرفية"، دار نشر القاهرة. رايموند مكليود، (2000)، "نظم المعلومات الادارية"، تعريب سرور علي ابراهيم، دار المريخ للنشر، الرياض. ثامر القدومي وسامر بركات، (2010)، "انظمة المعلومات المالية والمصرفية"، الشركة العربية المتحدة للتسويق والتوريدات، القاهرة.
Recommended books and references (scientific journals, reports...)	مجلة تنمية الراقدين
Electronic References, Websites	الانترنت

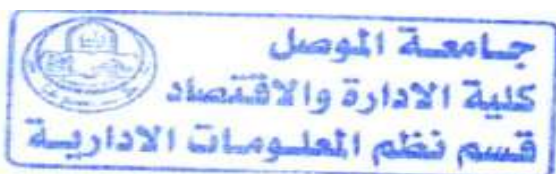

 أ.م.د. رمضان محمود الإبراهيمي
 رئيس قسم نظم المعلومات الادارية


 أ.د. يحيى عبد الفتاح
 مدرس المادة



Course Description Form

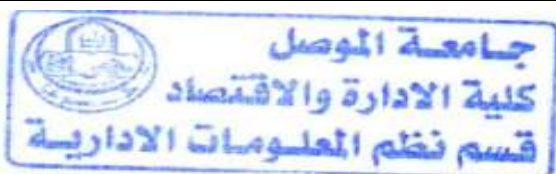
83. Course Name:	Knowledge management systems		
84. Course Code:	AEMI25_F408		
85. Semester / Year:	2025-2026		
86. Description Preparation Date:	1/9/2025		
87. Available Attendance Forms:	In the Classroom		
88. Number of Credit Hours (Total) / Number of Units (Total)	45 hours		
89. Course administrator's name (mention all, if more than one name)	Name: Amir A. Abdulmuhsin Email: Dr.amir_alnasser@uomosul.edu.iq		
90. Course Objectives	<table border="1"><tr><td>Course Objectives</td><td>Providing the student with a practical application of the processes of generating, acquiring, storing, sharing, applying and using knowledge in order to understand knowledge management practices in business organizations. Knowledge systems are studied from the perspective of knowledge management processes and their most important dimensions are known as well as the obstacles they face in the real work environment.</td></tr></table>	Course Objectives	Providing the student with a practical application of the processes of generating, acquiring, storing, sharing, applying and using knowledge in order to understand knowledge management practices in business organizations. Knowledge systems are studied from the perspective of knowledge management processes and their most important dimensions are known as well as the obstacles they face in the real work environment.
Course Objectives	Providing the student with a practical application of the processes of generating, acquiring, storing, sharing, applying and using knowledge in order to understand knowledge management practices in business organizations. Knowledge systems are studied from the perspective of knowledge management processes and their most important dimensions are known as well as the obstacles they face in the real work environment.		
91. Teaching and Learning Strategies			



Strategy	<ul style="list-style-type: none"> • The lecture: consists of theoretical explanations of the basic concepts of scientific research • Case studies: They are a group of problems adapted from organizations • Active listening • Self-criticism • information analysis • Remembering <p>Expanding the student's knowledge of different methodological sources</p>
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92. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2		Knowledge management and information technology	Explaining in the lecture	Q&A discussion
2	2		Knowledge innovation systems	Lecture and discussion	Q&A
3	2		Mechanisms, techniques and discovery of explicit and implicit knowledge	Lecture and discussion	Q&A and quizzes
4	2		Studying situations and obstacles that he does not know about	Lecture and discussion	Q&A and discussion
5	2		Knowledge systems	Lecture and discussion	Q&A and quizzes
6	2		Organizational stories	Lecture and discussion	Q&A and quizzes



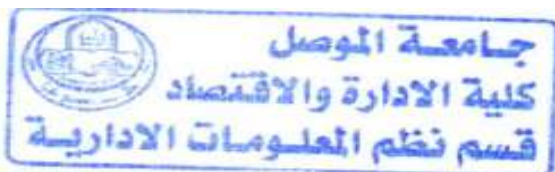
7	2		Knowledge maps	Lecture and discussion	Q&A and discussion
8	2		Context-based systems thinking	Lecture and discussion	Q&A and quizzes
9	2		Case studies and obstacles to generation systems	Lecture and discussion	Applied exercises and Exam
10	2		Knowledge sharing systems	Lecture and discussion	Q&A
11	2		Lessons learned systems	Lecture and discussion	Q&A
12	2		Experience-based systems	Lecture and discussion	Q&A and quizzes
13	2		Case studies and barriers to participation systems	Lecture and discussion	Q&A
14	2		Knowledge application systems	Lecture and discussion	Q&A and quizzes
15	2		Exam discussion +	Lecture and discussion	Applied exercises and Exam

93. Course Evaluation

- 25-Final exams 60%
- 26-monthly tests 20%
- 27-assignments 10%
- 28-class contribution 10%

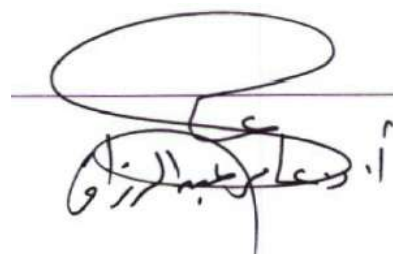
94. Learning and Teaching Resources


ارما بيسرا وفرنانديز راجيف سابيروال (2015) "ادارة



	<p>المعرفة : النظم والعمليات " ترجمة محمد شحاته وهبي / معهد الادارة العامة ، المملكة العربية السعودية ، الرياض</p>
	<p>الناصر ، عامر عبد الرزاق عبد المحسن (2015)، ادارة المعرفة في اطار نظم ذكاء الاعمال " الطبعة الاولى ، دار اليازوري للنشر والتوزيع ، عمان - الاردن</p>
<p>North,K.and G. Kumta (2018) Knowledge Management : value Creation Throu Organizational .Learning " 2nd ED.,Springer international publishing ,switzerland</p>	

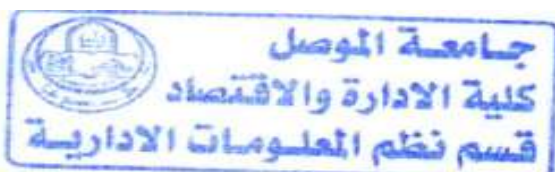

 أ.م.د. رمضان محمد الايشي
 رئيس قسم نظم المعلومات الادارية


 أ.د. عامر عبد الرزاق


 جامعة الموصل
 كلية الادارة والاقتصاد
 قسم نظم المعلومات الادارية

Course Description Form

1. Course Name:	
Artificial Intelligent systems / Second course/Fourth grade	
2. Course Code:	
AEMI25_ F410	
3. Semester / Year:	
2025-2026	
4. Description Preparation Date:	
28/8/2025	
5. Available Attendance Forms:	
Mandatory attendance for (15 weeks)	
6. Number of Credit Hours (Total) / Number of Units (Total)	
3 hours per week / Number of units: 2	
7. Course administrator's name (mention all, if more than one name)	
Name: Luma Fawaz Jarallah Email: luma_fawaz@uomosul.edu.iq	
8. Course Objectives	
Course Objectives	<ul style="list-style-type: none">• Understanding the definitions of artificial intelligence.• Knowledge representation methods.• Understanding artificial intelligence techniques.• Machine learning, expert systems, and artificial neural networks.

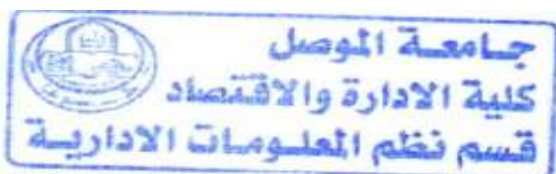


9. Teaching and Learning Strategies

Strategy	<p>1. Attendance and Participation.</p> <p>2. Individual Assessment: Based on the quality of discussion, asking questions, and presenting solutions.</p> <p>3. Group Assessment: The ideas presented in the required assignments</p> <p>4. Daily Exams.</p> <p>5. Final Exam (Semester, Midterm, and Final).</p>
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10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3	Scientific skills	AI Ethics	Theoretical + practical	Questions and Answers
2	3	Scientific skills	AI Strategy	Theoretical + practical	Questions and Answers
3	3	Scientific skills	AI Systems Adoption	Theoretical + practical	Questions and Answers
4	3	knowledge understanding	Data Science	Theoretical + practical	Questions and Answers
5	3	knowledge understanding	Machine Learning	Theoretical + practical	Questions and Answers
6	3	knowledge understanding	Types of Machine Learning Methods	Theoretical + practical	Questions and Answers
7	3	knowledge understanding	Expert Systems	Theoretical + practical	Questions and Answers
8	3	mental skills	Expert Systems	Theoretical	Exams



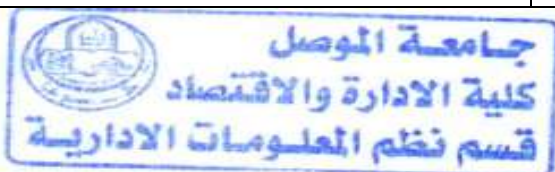
			Architecture	+ practic	
9	3	mental skills	Daily Exam	Theoretic + practic	Homewo
10	3	mental skills	Artificial Networks	Theoretic + practic	Homewo
11	3	mental skills	Building and Design Neural Networks	Theoretic + practic	Exams
12	3	mental skills	Methods of Ne	Theoretic + practic	Homewo
13	3	mental skills	Perstron Networks	Theoretic + practic	Question and Answers
14	3	mental skills	Exercises on Us Neural Networks	Theoretic + practic	Question and Answers
15	3		Midterm Exam		

11. 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

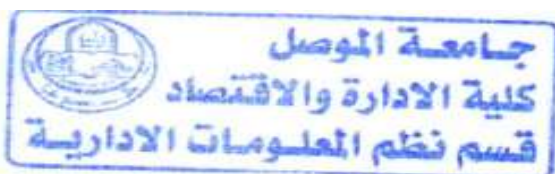
12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Artificial Intelligence and Education (2024) by Tawfiq Abdullah Al-Kamel
Main references (sources)	Artificial Intelligence: Concepts and Technologies by Dr. Alaa Abdelkhalik Hussein, 2024
Recommended books and references (scientific journals, reports...)	<ul style="list-style-type: none"> • International Journal of Artificial Intelligence in Education and Training • Journal of Artificial Intelligence and Information Security
Electronic References, Websites	https://www.edutech1.com/2024/01/artificial-intelligence-books-pdf.html



Course Description Form

95. Course Name:	English Language 4
96. Course Code:	AEMI25_F20
97. Semester / Year:	Second 2025-2026
98. Description Preparation Date:	1-9-2025
99. Available Attendance Forms:	Presence in the class
100. Number of Credit Hours (Total) / Number of Units (Total)	2 hrs aweek/ 3 units
101. Course administrator's name (mention all, if more than one name)	Name: Hani Ramadhan Alkhaled Email: hani_alnaimi@uomosul.edu.iq
102. Course Objectives	
Course Objectives	<ol style="list-style-type: none">1. To reinforce student's use of the English language.2. To create an English-speaking zone.3. To enrich the students with a pool of essential academic and day-to-day vocabulary.4. To support the understanding and use of the English language by using audio recordings, conversations and



other media types

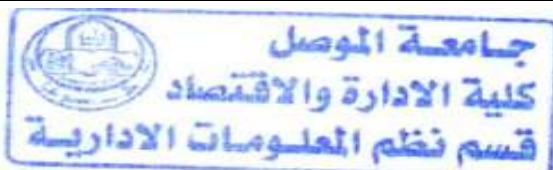
103. Teaching and Learning Strategies

Strategy

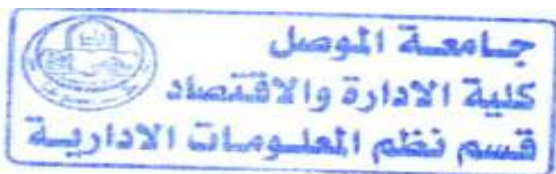
1. **Start with Basics:** through starter activities that hook the students and prepare them for the subject.
2. **Taking advantage of the available:** Audio recordings, videos, stories, and game-based activities.
3. **Encouraging teamwork:** by giving strong students the initiative and teaming them with students with lower levels.
4. **Live Examples:** simplifying the materials by bringing examples that are related to recent events and the daily lives of students.
5. **Innovative activities:** the use of assignments that help in breaking the barriers to the English language.
6. **Continuous Assessment and Feedback:** Regularly assess students' progress through quizzes, assignments, and exams. Provide constructive feedback to help them improve.

104. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2		Introduction to the course	Lecture and discussion	Ask questions and discuss
2	2		Unit One: Grammar, Vocabulary, and Reading	Lecture and discussion	Ask questions and discuss
3	2		Unit One: Listening, Speaking, and Writing	Lecture and discussion	Ask questions and discuss
4	2		Unit Two: Grammar, Vocabulary, and Reading	Lecture and discussion	quiz



5	2		Unit Two: Listening, Speaking, and Writing	Lecture and discussion	Ask questions and discuss
6	2		Unit Three: Grammar, Vocabulary	Lecture and discussion	Ask stions que and discuss
7	2		Unit Three: Reading and Listening	Lecture and discussion	Ask questions and discuss
8	2		Unit Three: Speaking and Writing	Lecture and discussion	Ask questions and discuss
9	2		Unit Four: Grammar, Vocabulary	Lecture and discussion	midterm exam
10	2		Unit Four: Reading and Listening	Lecture and discussion	Ask questions and discuss
11	2		Unit Four: Speaking and Writing	Lecture and discussion	Ask questions and discuss
12	2		Unit Five: Grammar, Vocabulary	Lecture and discussion	quiz
13	2		Unit Five: Reading and Listening	Lecture and discussion	Ask questions and discuss
14	2		Unit Five: Speaking and Writing	Lecture and discussion	Ask questions and discuss
15	2		Unit Six: Vocabulary, Listening, and		midterm exam



			Writing		
105. Course Evaluation					
Quizzes: 10					
Homework: 10					
Midterm exams: 20					
Final exam: 60					
106. Learning and Teaching Resources					
Required textbooks (curricular books, if any)			Liz Soars, John Soars, Paul Hancock New Headway 5th Edition Intermediate Oxford University Press (2018).		
Main references (sources)					
Recommended books and references (scientific journals, reports...)					
Electronic References, Websites			YouTube.com		


 أ.م.د. رمضان محمد الإبراهيمي
 رئيس قسم نظم المعلومات الإدارية


 م. هاني رمضان علو

