



Ministry of Higher Education and Scientific Research
Scientific Supervision and Scientific Evaluation
Apparatus
Directorate of Quality Assurance and Academic
Accreditation
Accreditation Department

Description of the Course program

2024-2025



Course program				
Year/Level	Course Code	Course Name	Number	
First stage			Hours	Units
	MMIS-1101	Management Information Systems Basics	175	7.00
	MMIS-1102	Principles of Statistics	175	7.00
	MMIS-1103	Principles of Management	150	6.00
	MMIS-1104	Principles of Economics	150	6.00
	UCM-104	Democracy and Human Rights	50	2.00
	UCM-101	Arabic	50	2.00
	MMIS-1205	Management Information Systems	175	7.00
	MMIS-1206	Sustainable Information Systems	150	6.00
	MMIS-1207	Mathematics for Business Management	150	6.00
	MMIS-1208	Accounting Basics	150	6.00
	UCM-103	Computer	75	3.00
	UCM-102	English	50	2.00
Second Stage	Course Code	Course Name	Credit Hours	
			theoretical	practical
	AEM24_F201	Marketing Management	3	-
	AEM24_F201	Human Resource Management	3	-
	AEM24_F205	Programming basics	2	2
	AEM24_F207	Basics of information systems	2	-
	AEM24_F209	Business information technology	3	-
	AEM24_F211	Quantitative methods in business	1	2
	AEM24_F213	Bo'ath party crimes	2	-

	AEM024_F202	Marketing Information Systems	2	1
	AEM024_F204	HR Information Systems	2	1
	AEM024_F206	C++ Programming	2	2
	AEM024_F208	Management Information systems	2	-
	AEM024_F210	Computer infrastructure	2	2
	AEM024_F212	Information and network security	2	-
	AEM024_F214	English language (2)	2	-
Third Stage	AEM024_F301	Administrative Communications	2	-
	AEM024_F303	Electronic business	3	-
	AEM024_F305	Information systems analysis and design	2	1
	AEM024_F307	Decision support systems	2	1
	AEM024_F309	Visual programming	2	2
	AEM024_F311	Databases	2	2
	AEM024_F313	Operations Research	1	2
	AEM024_F302	Communications and Networking	2	-
	AEM024_F304	Electronic business systems	3	-
	AEM024_F306	Information systems analysis and design techniques	2	1
	AEM024_F308	Business intelligence systems	2	1
	AEM024_F310	Visual programming for business	2	2
	AEM024_F312	Database management systems	2	2
	AEM024_F314	Operations research applications	1	2
	AEM024_F315	English language (3)	2	-
Fourth Stage	AEM024_F401	Production and Operations Management (1)	2	-
	AEM024_F403	Strategic management	2	-

AEMI24_F405	Financial management	2	1
AEMI24_F407	Knowledge management	2	-
AEMI24_F409	Artificial intelligence	2	1
AEMI24_F411	Statistical applications in computer	1	2
AEMI24_F412	Research Methodology	2	-
AEMI24_F402	Production and Operations Management (2)	3	-
AEMI24_F404	Strategic Information Systems	3	-
AEMI24_F406	Financial and Banking information systems	2	1
AEMI24_F408	Knowledge management systems	2	-
AEMI24_F410	Artificial intelligence systems	2	1
AEMI24_F413	Scientific research project	2	-
AEMI24_F414	English language (4)	2	-



First-stage courses

MODULE DESCRIPTION FORM

Module information			
Module Title	Fundamentals of Management Information Systems		Module Delivery
Module Type	Core		☐ Theory ☐ Lecture ☐ Lab ☐ Tutorial ☐ Practical ☐ Seminar
Module Code	MIS-1101		
ECTS Credits	8		
SAW (hr/sem)	100		
Module Level	UG	Semester of Delivery	
Administering Department	Type Dept. Code	College	Type College Code
Module Leader	Dr. Huda Abdulrahman Husein		e-mail
Module Leader's Acad. Title	أستاذ مساعد		Module Leader's Qualification
Module Tutor	Name (if available)		e-mail
Peer Reviewer Name	Name		e-mail
Scientific Committee Approval Date	11/03/2025		Version Number
		1.0	

Relation with other Modules			
Prerequisite module	None	Semester	
Co-requisite module	None	Semester	



Module Aims, Learning Outcomes and Indicative Contents

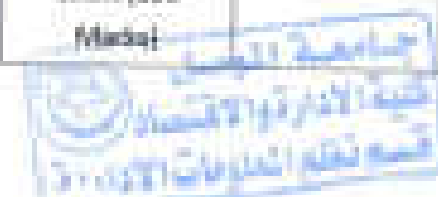
Module Objectives	- Understand the basics of management information systems and their concepts. - Determine the role of the information system in supporting the various functions of the organization and how it can contribute to supporting administrative decisions and achieving competitive advantages. - Knowledge of the resources of the information society, the characteristics of information and its types.
Module Learning Outcomes	To familiarize students with the concept of systems and the concept of management information systems, as it is the department's core specialization and bears the department's name. - To achieve the objectives of the Management Information Systems Department in preparing students with sufficient knowledge of the basics of information systems, their concepts, and their types. - To familiarize students with the stages of system development and how it was created, and then determine the system's position in the organizational structure. - The ability for students to identify points of comparison between the management information system and other systems present in organizations, such as the marketing and financial information system, and other systems. - Enable students to make sound decisions in the workplace based on accurate and reliable information provided by the information system. - Prepare students with the ability to navigate the job market in their field of specialization.
Indicative Contents	The guidance content includes the following: Part A - Introduction to Management Information Systems, including: Basics: Concept of systems, subsystems, factors that contributed to the emergence of the system, the difference between data and information, basic system elements, and integration of information systems with other systems in the organization Characteristics of information - Types of information - Value of information - Confidentiality and security of information - Characteristics and benefits of information - How to convert data into information The concept of management information systems - Approaches to studying management information systems - Elements of management information systems Part B - Management Information Systems Requirements includes: Types of MIS requirements - material resources - software for the system - human resources - financial resources - organizational resources Integration of resources and activities in an information system - Types of integration - Characteristics of integration - How to achieve integration and methods of achieving it

	Total Hours = 115 = SSWL - (Exam Hours) = 129 - 14 = 105 Hours (Timetable Hours x 15 Weeks)
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Learning and Teaching Strategies	
Strategies	The main strategy adopted in delivering this course is to encourage student participation in preparing assignments and class discussions, while simultaneously improving and expanding their critical thinking skills. This will be achieved through interactive classes and tutorials, and the presentation of simple case studies that include some theoretical explanations of the subject

Student Workload (SWL)			
Structured SWL (h/sem)	79	Structured SWL (h/w)	5
Unstructured SWL (h/sem)	121	Unstructured SWL (h/w)	8
Total SWL (h/sem)	200		

Module Evaluation					
		Time/number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	3	10% (10)	5 and 9 and 11	LO #1, #2 and #3, #11
	Assignments	1	20% (20)	Continuation	A8
	Report	2	10% (10)	7 and 11	LO #5, #9 and #10
Summative assessment	Midterm Exam	1hr	10% (10)	7	LO #1 - #7
	Final Exam	3hr	50% (50)	16	A6
Total assessment			100% (100 Marks)		



Delivery Plan (Weekly Syllabus)

	Material Covered	المواد التي تغطيها
Week 1	Introduction to Management Information Systems	
Week 2	The concept of systems and system elements	
Week 3	Types of Systems / Introduction and Systems Theory	
Week 4	Basic principles of general systems theory/system components and elements	
Week 5	Data and data and information management/sources and processing methods	
Week 6	Characteristics of information/types/value of information	
Week 7	Confidentiality and security of information	
Week 8	The development of management information systems and the factors that contributed to the development	
Week 9	The concept of management information systems and approaches to its study	
Week 10	Common concepts about information systems	
Week 11	Characteristics and benefits of information systems	
Week 12	Management Information Systems Supplies	
Week 13	Hardware and software resources of the system	
Week 14	Networks, Communications and Human Resources	
Week 15	Integration of resources and activities in the information system	
Week 16	Preparatory week before the final Exam	

Delivery Plan (Weekly Lab. Syllabus)

	Material Covered
Week 1	
Week 2	
Week 3	
Week 4	
Week 5	
Week 6	
Week 7	



Learning and Teaching Resources		
مصادر التعلم والتعليم		
	Text	Available in the Library?
Required Texts	Management Information Systems: Harnessing Technologies for Business & Society 1st Edition, 2024 by Torreyanna Isaac, Theodore Isaac, Genta Hardin-Ramadhan	
Recommended Texts	Management Information Systems: Managing the Digital Firm 15th Edition, by Samuel J. London (Author), Jane London	
Websites		

Grading Scheme				
Group	Grade	Appreciation	Marks %	Definition
Success Group (50 - 100)	A - Excellent	brilliance	90 - 100	Outstanding Performance
	B - Very Good	very good	80 - 89	Above average with some errors
	C - Good	good	70 - 79	Sound work with notable errors
	D - Satisfactory	middle	60 - 69	Fair but with major shortcomings
	E - Sufficient	acceptable	50 - 59	Work meets minimum criteria
Fail Group (0 - 49)	FX - Fail	Precipitate (in process)	(45-49)	More work required but credit awarded
	F - Fail	Failed	(0-44)	Considerable amount of work required
Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" in the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.				


 د. هدى الحسيني
 رئيس قسم نظم المعلومات
 2024/10/18




 د. هدى الحسيني

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	Principles of statistics		Module Delivery
Module Type	Core		☐ Theory ☐ Lecture ☐ Lab ☐ Tutorial ☐ Practical ☐ Seminar
Module Code	MIS-1102		
ECTS Credits	6		
ISO (h/sem)	150		
Module Level	UG	Semester of Delivery	One
Administering Department	Type Dept. Code	College	Type College Code
Module Leader	nawal Mahmood hamood		e-mail: nawal_alhamary@uomusul.edu.iq
Module Leader's Acad. Title	Lecturer	Module Leader's Qualification	Msc.
Module Tutor	Name (if available)		e-mail: E-mail
Peer Reviewer Name	Name		e-mail: E-mail
Scientific Committee Approval Date	11/08/2014	Version Number	1.0

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	
Co-requisites module	None	Semester	

Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

Module Objectives

أهداف المادة الدراسية

- 1- Providing the learner with statistical skills that enable him to work in statistical fields and calculate statistical metrics.
- 2- Statistics is considered a digital language and an art to express variables and numbers accurately, thus enabling the student to benefit from this subject in statistics and programs that interest him in most areas of life.
- 3- The statistics course aims to develop ways and means of thinking and how to deal with various problems.
- 4- Trying to think about sound ways and methods, specifically in solving problems and thus improving and developing society.

Module Learning Outcomes

مخرجات التعلم للمادة الدراسية

- 1- Understand the basic concepts and principles of statistics, including data types and sampling methods.
- 2- Interpret and analyze data using descriptive statistical measures, such as measures of central tendency (mean, median, mode) and measures of variance (range, variance, standard deviation).
- 3- Utilizing the basic principles of statistical inference to draw conclusions about a population based on sample data, including hypothesis testing and confidence intervals.
- 4- Apply appropriate statistical methods to analyze relationships between variables, including correlation analysis and simple linear regression.
- 5- Understanding and interpreting the results of statistical program outputs and graphical displays.
- 6- Presenting statistical results and interpretations effectively, orally and in writing.

	7- Developing critical thinking and problem-solving skills in the context of statistical analysis and interpretation.
Indicative Contents: المحتوى الإرشادي	1-Introducing the student to the basics of statistics and its application areas. 2- The statistical method in scientific research, methods of collecting data. 3- Classification and presentation for the purpose of obtaining the information necessary to make appropriate decisions and the possibility of using this data in prediction as well as student development. 4- Research design method skills. 5- Bringing the student to a level where he has the ability to interpret the results and turn them into practical reality.

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies:	The main strategy to be adopted is to encourage students' participation in exercises and examples, while at the same time improving and expanding their mathematical thinking skills and close examples. This will be accomplished through classroom and interactive teaching examples and by looking at the types of simple sampling data that are of interest to the students' research topic.

Student Workload (SWL) جداول العمل للطلاب (10 اسبوعاً)			
Structured SWL (h/sem) العمل الدراسي المنظم للطلاب خلال الفصل	64	Structured SWL (h/w) العمل المنظم للطلاب أسبوعياً	4
Unstructured SWL (h/sem) العمل الدراسي غير المنظم للطلاب خلال الفصل	80	Unstructured SWL (h/w) العمل الدراسي غير المنظم للطلاب أسبوعياً	6

Total SAs (h/sem)	150
المجموع الدراسي لثاني لطلاب - ساعة الفصل	

Module Evaluation					
تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quiz	1	10% (10)	5 and 9 and 13	يعلم الرموز أثناء سلة هذا التقييم التكويني بامتحانات التعليم التي تم تحديثها a/la LO #1, #2 and #10, #11
	Assignments	1	10% (10)	Continuous	All
	Lab.	1	10% (20)	Continuous	All
	Report	2	10% (10)	7 and 13	LO #5, #6 and #10
Summative assessment	Midterm Exam	1hr	10% (10)	7	LO #1 - #7
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)	
المناهج الأسبوعي النظري	
	المواد المغطاة
Week 1	Definition of statistics, its divisions, and the statistical method in scientific research
Week 2	Method of collecting data, samples and their types
Week 3	Classification and tabulation of data collection methods and common errors
Week 4	Random variables and frequency distributions
Week 5	Classified and proportional frequency distribution
Week 6	Geometric shapes: inscribed, polygon, and curve
Week 7	Measures of central tendency in grouped data (arithmetic mean, median, mode)
Week 8	Measures of central tendency in classified data (arithmetic mean, median, mode)
Week 9	Measures of dispersion in grouped data (variance - standard deviation - mean deviation)
Week 10	Measures of dispersion in classified data (variance - standard deviation - mean deviation)

Week 11	Coefficient of variation	
Week 12	Standard score	
Week 13	Single correlation (Pearson)	
Week 14	Spearman rank correlation	
Week 15	Linear regression	
Week 16	Preparatory week before the final Exam	أسبوع مسبق قبل الامتحان النهائي

Delivery Plan (Weekly Lab. Syllabus)	
المناهج الأسبوعي المختبر	
	Material Covered
Week 1	
Week 2	
Week 3	
Week 4	
Week 5	
Week 6	
Week 7	

Learning and Teaching Resources		
مصادر التعلم والتعليم		
	Text	Available in the Library?
Required Texts المصادر المطلوبة	إحصائيات في علم الإحصاء مع تطبيقات: SPSS د. إبراهيم مراد الدخيلة - د. عزالدين حسن الباشا الإحصاء لطفاً: بولس الصفاوي المدخل إلى الإحصاء: فاضل محمود الراوي الإحصاء: محمود البطيحاتي - أمير حنا	
Recommended Texts المصادر الموصى بها		
Websites المواقع الإلكترونية		



مخطط الدرجات

Group	Grade	التقدير	Marks %	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جداً	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	مقبول	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 - 49)	FR - Fail	راسب (بعد المعالجة)	(45-49)	More work required but credit awarded
	F - Fail	راسب	(0-44)	Considerable amount of work required

Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.

أستاذة المساعد
أ.م.د. هادي محمد
14/05/2023

أ.م.د. هادي محمد

جامعة الموصل
كلية الإدارة والاقتصاد
قسم نظم المحاسبة
30

MODULE DESCRIPTION FORM

Module Information			
Module Title	Principles of management		Module Delivery
Module Type	Supportive		☒ Theory ☒ Lecture ☐ Lab ☐ Tutorial ☐ Practical ☒ Seminar
Module Code	MES-1103		
ECTS Credits	6		
SWL (hr/sem)	150		
Module Level	UG	Semester of Delivery	One
Administering Department	Type Dept. Code	College	Type College Code
Module Leader	Dr. Mohammed Mustafa Hussein		e-mail: Mohamed_hussein@uamuel.edu.iq
Module Leader's Acad. Title	Professor	Module Leader's Qualification	PhD
Module Tutor		e-mail	
Peer Reviewer Name	Name	e-mail	E-mail
Scientific Committee Approval Date	19/08/2024	Version Number	

Relation with other Modules			
Prerequisite module	None	Semester	
Corequisite module	None	Semester	

Module Aims, Learning Outcomes and Indicative Contents	
Module Objectives	The objective of the course is to introduce the basics of management science and the development of management thought, as well as the functions of management and organization and the resources that must be available in the organization.
Module Learning Outcomes	1. To familiarize students with management concepts and functions, and the contemporary challenges facing our organizations through management schools. 2. To familiarize students with the organization's internal and external environment, the international business environment, and the organizational culture appropriate for the labor market. 3. To provide students with information about planning and goal formulation, the importance of planning for organizations, and the types of plans according to fulfilling market functions. Students will also be introduced to


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 قسم نظم المعلومات الإدارية

	the concept of decision-making and the role of information technology in decision-making. 4. To familiarize students with the basics of organization and the foundations for assembling organizational units appropriate for our organizations in the labor market. 5. To emphasize the importance of familiarizing students with the concept of leadership, leadership styles in organizations in general and those operating in our local environment in particular. 6. To clarify the concept of motivation through job design and rewards, the concept of work teams, virtual teams, and committees, which most organizations operating in the labor market rely on.
Indicative Contents:	The guidance content includes the following: Part A - Introduction to Management Principles, including: The concept of management - management is a science or an art - challenges of contemporary management The concept of a manager - the functions of a manager - the skills of a manager - the tasks of a manager Part B - The concept of the organization and includes: Primary and secondary functions of the organization Total Hours = 105 + 55Ws - (Exam hours) = 109 - 8 = 101 hours (Timetable Hours x 15 Weeks)

Learning and Teaching Strategies	
Strategies	The main strategy adopted in delivering this course is to encourage student participation in preparing assignments and class discussions, while simultaneously improving and expanding their critical thinking skills. This will be achieved through interactive classes and tutorials, and the presentation of simple case studies that include some theoretical explanations of the subject.

Student Workload (SWL)			
Structured SWL (h/sem)	79	Structured SWL (h/w)	5
Unstructured SWL (h/sem)	121	Unstructured SWL (h/w)	8
Total SWL (h/sem)	200		

Module Evaluation					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizes	1	10% (10)	5 and 8 and 11	The symbols below represent the relevance of this formative assessment to the learning outcomes identified above: LO #1, #2 and #10, #11
	Assignments	1	20% (20)	Continuous	A6
	Report	2	10% (10)	7 and 11	LO #5, #6 and #10
Summative assessment	Midterm Exam	1hr	10% (10)	7	LO #1 - #7
	Final Exam	3hr	50% (50)	16	A8
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)	
	Material Covered
(1)Week 1	Introduction to management concepts/management and its functions, the manager, business organizations, contemporary challenges of management
(1)Week 2	Management between past and present/classical, behavioral, quantitative, modern, contemporary and future trends
(2)Week 3	Environment, Culture and Diversity/Internal and External Environment of the Organization, Organizational Culture, Diversity in Business Organizations
(2)Week 4	International business environment/globalization, dimensions of the international environment (economic, political, social, legal), international business patterns (entry and investment strategies)
(3)Week 5	Planning and goal setting/ concept, importance, stages, benefits of planning, levels, hierarchy, characteristics and scopes of goals
(3)Week 6	Planning and goal formulation/types of plans (according to time, level, and use), planning tools and methods (forecasting, scenarios, and benchmarking)
(3)Week 7	Decision making/ concept, stages and types, the role of information technology in decision making
(4)Week 8	Organizational basics/organizational structure, concept, types, foundations for grouping organizational units
(4)Week 9	Organizational mechanisms: chain of command, authority, responsibility, accountability, delegation, span of control, centralization and decentralization
(5)Week 10	Leadership basics/concept, leader traits, leadership and management, leader and manager, influence and power, leadership and management styles
(5)Week 11	Leadership Theories (Trait-based and Behavioral), Traditional Theory, Great Man Theory, Behavioral Traits, Michigan Theory, Ohio State Theory, Situational Theory

قسم نظم المعلومات الإدارية ٢٠١٦

(3)Week 12	Situational leadership theories/situational theories, interactional theory
(3)Week 13	Modern trends in leadership:charismatic, transactional and transformational leadership, virtual leadership, working in the new environment
(3)Week 14	Motivation/Basics, Theories, Motivation through Job Design and Rewards
(3)Week 15	Team building:concept and benefits, formal and informal, committees and workforces, virtual teams
Week 16	Preparatory week before the final Exam

Delivery Plan (Weekly Lab. Syllabus)

	Material Covered
Week 1	

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	صالح مكي حسن العادلي - وهاجر حسن منصور العلي - الإدارة والأعمال: النظم الكلية (2008)، دار الفكر، عمان، الأردن	
Recommended Texts		
Websites		

Grading Scheme

Group	Grade	Marks %	Definition
Success Group (50 - 100)	A - Excellent	90 - 100	Outstanding Performance
	B - Very Good	80 - 89	Above average with some errors
	C - Good	70 - 79	Sound work with notable errors
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Fail Group (0 - 49)	FX - Fail	(85-49)	More work required but credit awarded
	F - Fail	(0-44)	Considerable amount of work required

Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.

أ. د. علي محمد العبدالله
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MODULE DESCRIPTION FORM

Course Description Form

Module Information				
Course information				
Module Title	Principles of Economics			Module Delivery
Module Type	Supportive			[X] Theory [X] Lecture [X] Lab [X] Tutorial [X] Practical [X] Seminar
Module Code	NMIS-1104			
ECTS Credits	6			
SWL (hs/sem)	150			
Module Level		UG		Semester of Delivery
Administration Department		Type Dept. Code	College	Type College Code
Module Leader		Dr. Neda Suhail	e-mail	
Module Leader's Acad. Title		assistant professor	Module Leader's Qualification	
Module Tutor		Name (if available)	e-mail	Email
Peer Reviewer Name		M. M. Mohammed Jasim Muhammad	e-mail	Email
Scientific Committee Approval Date		08/13/2024	Version Number	1.0

Relation with other Modules			
Relationship with other subjects			
Prerequisite module		Name	Semester
Co-requisite module		Name	Semester

Module Aims, Learning Outcomes and Indicative Contents	
Course objectives, learning outcomes, and guiding content	
Module Objectives Course objectives	1. Get to know basics Principles of Economics and its concepts 2. to set the economic problem and its characteristics 3. Understand the meaning of demand, supply, equilibrium, consumer behavior according to the theory of marginal utility and inequality, stages of production, costs, and how to find them.
Module Learning Outcomes Learning outcomes for the subject	1. Introducing the student to the concept of economics, its importance, and its relationship to other sciences. Identifying what the economic problem is. 2- Understand the meaning of demand, to know the factors affecting it, and how to draw a demand curve based on the inverse relationship between quantity demanded and price, your turn about the concept of elasticities, the meaning of elasticity of demand, its importance and types, and learn how to... First Demand elasticities

	3- Introducing the student to the meaning of supply, the law of supply, the supply schedule, and how to draw a supply curve. Identifying the elasticity of supply and the factors affecting it. 4- Market equilibrium, equilibrium price, equilibrium quantity, excess demand and supply 5- Identify the meaning of utility, its characteristics and types, the law of marginal utility, and how to...FindMarginal utility and how to draw total and marginal utility and consumer equilibrium according to the marginal utility theory 6- Identify indifference curves, their characteristics, the indifference map, and how the consumer achieves balance according to the indifference curve theory. 7- FunctionProductionin terms of concept and elementsProductionThe law of diminishing returns and its stages 8- Knowing the meaning of cost, its types and how to find it inThe termShort and cost definition inThe termcost 9- Understanding the meaning of inflation, its types, the economic and social effects of inflation, and how to address it.
Indicative Contents Guidance contents	The guidance content includes: Part A – introduction toEconomics and the definition of demand, supply and equilibrium, including: Basis of Economics-its relationship to other sciences- Stages of development of economics-The economic problem and its characteristics - the concept of demand, the law of demand, the demand schedule, the demand curve, the factors affecting demand (the price of the commodity, income,Price,substitute goods -Elasticity of demand and its types-Methods of measuring it-The importance of MarshallAnddemand—And typesDemand elasticities Factors affectingInfluential inelasticity of demand Supply theory, law, supply curve and supply schedule Factors affecting the elasticity of supplyElasticity of supply (price of the commodity,PriceFactorsProductionNumber of producers Market equilibrium, equilibrium price, equilibrium quantity, and excess supply and demand Part B – It includes theories of demand (Theories of consumer behavior), the theory of production and costs, and economic problems (inflation and unemployment). It includes: Marginal utility theory (concept of marginal and total utility, and utility analysis) - Law of diminishing marginal utility, defects of utility theory - concept of indifference curves and their characteristics - equilibrium under indifference curve theory Function conceptProduction, elementsProductionThe law of diminishing returns and its stages - fixed and variable costs, average total and marginal costs inThe termThe relative and the definition of costs inThe termcost, inflation, its types and economic effectsAndAnd social and how to treat it.

Learning and Teaching Strategies Learning and teaching strategies	
Strategies	The main strategy adopted in teaching this course is to encourage student participation in learning assignments and class discussions, while simultaneously

improving and expanding their critical thinking skills. This will be achieved through interactive classes and tutorials, and the presentation of simple case studies that include some theoretical explanations of the subject.

Student Workload (SWL)

The student's academic load is calculated as 15 weeks.

Structured SWL (h/sem) Regular student load during the semester	75	Structured SWL (h/w) Regular weekly student workload	5
Unstructured SWL (h/sem) Irregular student load during the semester	75	Unstructured SWL (h/w) Irregular student study load per week	5
Total SWL (h/sem) The student's total academic load during the semester	150		

Module Evaluation Course material evaluation

		Time/Number	Weight (Marks)	Week (s)	Relevant Learning Outcome
Formative assessment	Quizzes	1	10% (10)	3-10	L1, A1, A2, A3, A4, A5, A6
	Online Assignments	1	10% (10)	3-10	L1, A1, A2, A3, A4, A5, A6, A7, A8
	Seminars	1	10% (10)	5-7-10	L1, A1, A2, A3, A4, A5, A6, A7
	Report	1	10% (10)	14	L1, A1, A2, A3, A4, A5, A6, A7, A8, A9
Summative assessment	Midterm Exam	1hr	10% (10)	8	L1, A1, A2, A3, A4
	Final Exam	3 hours	50% (50)	15	A9
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) Theoretical weekly curriculum

	Material Covered
Week 1	The concept of economics – the relationship of economics to other sciences
Week 2	The economic problem, its nature and methods of solution
Week 3	The concept of demand, the law of demand, the demand schedule, the demand curve, the factors affecting demand (the price of the commodity, income, the prices of substitute goods)
Week 4	Elasticity of demand and its types, the importance of elasticity of demand
Week 5	Factors affecting elasticity of demand and how to find price and income elasticity of demand
Week 6	Factors affecting it: supply theory, law of supply and supply schedule
Week 7	Elasticity of supply and factors affecting supply and supply curve (price of the commodity, prices of production factors, number of producers)

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قسم المكتبات
2015

Week 8	Market equilibrium, equilibrium price, equilibrium quantity, and excess supply and demand
Week 9	Marginal utility theory (characteristics of utility and its types, assumptions of marginal utility theory, law of diminishing marginal utility with the drawing and consumer equilibrium according to marginal utility theory)
Week 10	The concept of indifference curves and their properties
Week 11	Equilibrium under indifference curve theory
Week 12	The concept of the production function, elements of production, the law of diminishing returns and its stages
Week 13	Definition of cost, its types, how to find it, and definition of cost in the long run
Week 14	The concept of inflation, its types and causes
Week 15	What are the economic and social effects of inflation and how to address it?
Week 16	Preparatory week before the final exam

Delivery Plan (Weekly Lab. Syllabus) Weekly lab schedule

	Material Covered
Week 1	
Week 2	
Week 3	
Week 4	
Week 5	
Week 6	
Week 7	

Learning and Teaching Resources Learning and teaching resources

	Text	Available in the Library?
Required Texts Required texts	1- Principles of Economics / Dr. Karim Mahdi Al-Harawal / Legal Library / 2007 2- Principles of Economics / Muhammad Salih Al-Qureshi and Al-Shamrani	
Recommended Texts Recommended texts	Economy / Paul A. Samuelson translated into Arabic	
Websites Websites		

Grading Scheme

Grading scheme

Group	Grade	Appreciation	Marks %	Definition
Success Group (50 - 100)	A -Excellent	privilege	90 - 100	Outstanding Performance
	B -Very Good	very good	80 - 89	Above average with some errors
	C -Good	good	70 - 79	Sound works with notable errors
	D -Satisfactory	middle	60 - 69	Fair but with major shortcomings
	E -Sufficient	acceptable	50 - 59	Work meets minimum criteria



Fail Group (0 – 49)	FX – Fail	Presigstate (in process)	(45-49)	More work required but credit awarded
	F-Fail	Failed	(0-44)	Considerable amount of work required

Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to combine "near pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.

أستاذة
قسم نظم المعلومات
٢٠٢٠/٢٠٢١



د. نادية محمد

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	Democracy and Human rights		Module Delivery
Module Type	Basic		☒ Theory ☐ Lecture ☐ Lab ☐ Tutorial ☐ Practical ☐ Seminar
Module Code	LOM-104		
ECTS Credits	1		
SWL (hr/sem)	10		
Module Level	UG	Semester of Delivery	One
Administering Department	Type Dept. Code	College	Type College Code
Module Leader	Sawsan Khalid Abd-El-Ghany		e-mail
Module Leader's Acad. Title	Assistant Professor		Module Leader's Qualification
Module Tutor	Name (if available)		e-mail E-mail
Peer Reviewer Name	Sawsan Khalid Abd-El-Ghany		e-mail E-mail
Scientific Committee Approval Date	15/08/2024	Version number	1.0

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	
Co-requisites module	None	Semester	

Module Aims, Learning Outcomes and Indicative Contents	
أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Objectives أهداف المادة الدراسية	1. Ensuring the consolidation and respect of the principles of human rights and democracy. 2. The necessity of loving one's homeland and its citizens, and planting the seeds of peaceful coexistence and dignified living for all components by spreading a culture of acceptance of others and respect for their religious, political, cultural, and social particularities. 3. The necessity of cooperating with state institutions to establish security and peace in the country.
Module Learning Outcomes	Learning outcomes are cognitive and skill-based, achieved through: 1. Students' knowledge of the human rights principles necessary for their practical lives.

مخرجات التعلم العامة للبرنامج	3. Achieving the objectives of preparing students with sufficient knowledge of the basics of human rights, their concepts, types, and the efforts of the international community to defend human rights. International and non-international organizations seek to promote respect for human rights and work to develop society by encouraging participation in the labor market through educational courses and workshops, in addition to supporting small projects. Encouraging students to coexist as individuals in an integrated society, urging them to love their homeland and show absolute loyalty to it. 4. Encouraging students to participate in the political electoral process and have an active national presence therein, to understand the principles of democracy and work to ensure its success, and to understand national constitutions and the rights and freedoms they entail. 5. The necessity of cooperating with state institutions to achieve security and political stability in the country, and encouraging the integration of national human rights action plans into development plans. 6. Preparing students with the ability to deal with the labor market in their field of specialization.
Indicative Contents المحتويات الإرشادية	The guiding content includes the following: Part A - Introduction to Human Rights, which includes: The concept of human rights - The historical development of human rights - Factors that contributed to the international community's interest in human rights - The development of the concept of human rights protection in the modern era - The mechanisms of the international community to protect human rights - The duties of the individual and the restrictions imposed on the exercise of human rights. Part B - Introduction to Democracy, which includes: The concept of democracy - The historical development of democratic practice - The characteristics and development of the democratic system - The relationship between human rights and democracy - Guarantees of public rights and freedoms - and contemporary democracy.

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	The main strategy adopted in delivering this course is to encourage student participation in preparing assignments and class discussions, while simultaneously improving and expanding their critical thinking skills. This will be achieved through interactive classroom and educational programs, and the presentation of single case studies that include some theoretical explanations of the subject.

Student Workload (SWL) حاصل العمل الدراسي المطلوب: 1.5 اسيدي			
Structured SWL (h/sem) العمل الدراسي المنظم المطلوب: ساعات الفصل	33	Structured SWL (h/wh) العمل الدراسي المنظم المطلوب: اسيدي	2
Unstructured SWL (h/sem) العمل الدراسي غير المنظم المطلوب: ساعات الفصل	17	Unstructured SWL (h/wh) العمل الدراسي غير المنظم المطلوب: اسيدي	1
Total SWL (h/sem) العمل الدراسي الكلي المطلوب: ساعات الفصل	50		

Module Evaluation تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	3	10% (10)	1-3	LO 1, LO 2, LO 3, LO 4
	Online Assignments	3	10% (10)	1-3	LO 1, LO 2, LO 3, LO 4
	Onsite Assignments	3	10% (10)	4-6	LO 1, LO 2, LO 3, LO 4
	Report	1	10% (10)	16	LO 1, LO 2, LO 3, LO 4, LO 5
Summative assessment	Midterm Exam	1hr	10% (10)	8	LO 1, LO 2, LO 3, LO 4
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المناهج الأسبوعية النظرية		المواد المتعلقات
Week 1	A general introduction to the concept of human rights, its roots, and its development throughout human history.	
Week 2	The development of the idea of protecting human rights in the modern era.	
Week 3	The international community and contemporary human rights.	
Week 4	United Nations mechanisms for the protection of human rights.	
Week 5	Non-international organizations and bodies concerned with defending human rights.	
Week 6	Human duties and restrictions on the exercise of human rights.	
Week 7	The concept and history of democracy.	
Week 8	Characteristics of the democratic system and its components.	
Week 9	The constitution and democracy.	
Week 10	Elections.	
Week 11	Civil society institutions and democracy.	
Week 12	The relationship between human rights and democracy.	
Week 13	Crimes of genocide.	
Week 14	Guarantees of freedoms and public rights - good governance - contemporary democracy.	
Week 15	Enriching the human rights curriculum with the book "The Islamic School and the Problem of Contemporary Man" by Sayyid Muhammad Baqir al-Sadr.	

Week 18	Preparatory week before the final exam.
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Delivery Plan (Weekly Lab. Syllabus) المناهج الأسبوعية للمختبر	
Week	Material Covered
Week 1	
Week 2	
Week 3	
Week 4	
Week 5	
Week 6	
Week 7	

Learning and Teaching Resources مصادر التعلم والتعليم		
	Text	Available in the Library?
Required Texts النصوص المطلوبة	Human rights and democracy, by Ghassan Karim Muttalib and Amjed Zain al-Abidin Tal'na.	
Recommended Texts النصوص التي يوصى بها	Human rights, by Hamid Hammad Khafid. Human rights, democracy, and public freedoms, by Maher Sabri Kayim. "The Islamic School and the Problem of Contemporary Man" by Sayid Muhammad Baqir al-Sadr. Baqir al-Sadr - Amer Ayash Abdul Wasib Muhammad Jassem, "The Role of Civil Society Institutions in the Field of Human Rights," Tikrit University Journal of Legal and Political Sciences, Issue 6, Year 2, 2011	
Websites المواقع الإلكترونية	The Permanent Constitution of Iraq 2005	

Grading Scheme مخطط التقييم				
Group	Grade	التقدير	Marks %	Definition
Successt Group (90 - 100)	A - Excellent	ممتاز	90 - 100	Outstanding Performance
	B - Very Good	جيد جداً	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	مقبول	60 - 69	Fair but with major shortcomings
	E - Sufficient	محدود	50 - 59	Work meets minimum criteria
Fail Group (0 - 49)	FR - Fail	راسب (قد المتأهله)	(45-49)	More work required but credit awarded
	F - Fail	راسب	(0-44)	Considerable effort is still required

Notes: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark. For example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. Our University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	Arabic language I		Module Delivery
Module Type	Basic		☐ Theory ☐ Lecture ☐ Lab ☐ Tutorial ☐ Practical ☐ Seminar
Module Code	LCNL-101		
ECTS Credits	2		
SWL (hr/week)	50		
Module Level	UG	Semester of Delivery	One
Administering Department	Type Dept. Code	College	Type College Code
Module Leader	M. M Noor Ahmad Hazem		e-mail
Module Leader's Acad. Title	Assistant Professor		Module Leader's Qualification
Module Tutor	Name (if available)		e-mail E-mail
Peer Reviewer Name	Noor Ahmad Hazem		e-mail E-mail
Scientific Committee Approval Date	11/08/2024	Version Number	1.0

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	Name	Semester	
Co-requisite module	Name	Semester	

Module Aims, Learning Outcomes and Indicative Contents	
أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Objectives أهداف المادة الدراسية	1. Understand the concept of verbs and their types. 2. Understand the nominal and verbal sentence. 3. Understand the types of predicate sentences. 4. Understand defective verbs and verb-like particles. 5. Distinguish between verb forms and tenses. 6. Train students on how to utilize the Arabic language positively to achieve their goals. 7. Understand the concept of speech, words, and sentences.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	The desired learning outcomes are as follows: 1. The student will understand grammatical and morphological rules. 2. The student will have knowledge of the most common types of verbs and sentences and how to differentiate between them. 3. The student will have the ability to correct the least in the most and of writing reports, particularly in the field of business administration.

	4. The instructor will provide a detailed explanation of each topic specified in the curriculum. 5. The inductive method. 6. Dialogue and discussion.
Indicative Contents المحتويات الإرشادية	The guiding content includes the following: Part A - Introduction to the Arabic Language, including: The basics of the language concept, sentence types, factors that contributed to the development of the Arabic language, the difference between verbs, nouns, and letters, Characteristics of sentences, their types, the nominal sentence, the verbal sentence, the difference between verbs and letters, transitive and intransitive verbs, and the active and passive voices. The concept of the Arabic language and its components, including verbs, nouns, and letters. Part B - Arabic Language Requirements, including: Types of Arabic language teaching supplies, the blackboard, daily and monthly exams, and language tests.

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	The main strategy adopted in delivering this course is to encourage student participation in preparing assignments and class discussions, while simultaneously improving and expanding their critical thinking skills. This will be achieved through interactive classes and tutorials, and the presentation of simple case studies that include some theoretical explanations of the subject.

Student Workload (SWL) الحمل الدراسي للطلاب محسوب 10 أسبوعاً			
Structured SWL (h/sem) الحمل الدراسي المنظم للطلاب خلال الفصل	23	Structured SWL (h/w) الحمل الدراسي المنظم للطلاب أسبوعياً	2
Unstructured SWL (h/sem) الحمل الدراسي غير المنظم للطلاب خلال الفصل	17	Unstructured SWL (h/w) الحمل الدراسي غير المنظم للطلاب أسبوعياً	1
Total SWL (h/sem) الحمل الدراسي الكلي للطلاب خلال الفصل	50		

Module Evaluation تقييم المادة الدراسية				
		Time/Number	Weight (Mark)	Relevant Learning Outcome
Formative assessment	Quizzes	3	30% (15)	40
	Online Assignments	2	20% (10)	40
	Onsite Assignments	3	30% (15)	40-45

	Report		10% (10)	14	(11 H1 - 42 H3 66 H4 66 H5)
Summative assessment	Midterm Exam	2hr	30% (30)	8	LO #1-#2
	Final Exam	3hr	50% (50)	16	A8
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)	
المناهج الأسبوعي النظري	
	المواد المعقد
Week 1	Definition of Grammar, Speech, and Words
Week 2	Types of Sentences
Week 3	Present Tense Verb
Week 4	Past Tense Verb
Week 5	Imperative Verb
Week 6	Noun Markers
Week 7	Present Tense Verb Markers
Week 8	Past Tense Verb Markers
Week 9	Imperative Verb Markers
Week 10	Nominal Sentence/ Subject and Predicate
Week 11	Verbs of Abrogation
Week 12	Verbs of Abrogation
Week 13	Letters of Abrogation
Week 14	Choosing the Hamza
Week 15	Verbal Sentence
Week 16	Preparatory week before the final Exam

أسبوع تحضير قبل الامتحان النهائي

Learning and Teaching Resources		
مصادر التعلم والتعليم		
	Text	Available in the Library?
Required Texts التصوص المطلوبة	• Dr Abu Abdul Rahman, Al-Khali Bin Ahmad Al-Farahidi (1995), Al-Jumal fi Al-Nahw, Alam Al-Kutub, Beirut. • Dr Abu Al-Fath, Uthman Bin Jari Al-Mawalli, Al-Luma' fi Al-Arabiyyah by Ibn Jari, Dar Al-Kutub Al-Thaqafiyyah, Kuwait.	
Recommended Texts التوصيات الموصى بها	• Dr Abu Abdul Rahman, Al-Khali Bin Ahmad Al-Farahidi (1995), Al-Jumal fi Al-Nahw, Alam Al-Kutub, Beirut. • Dr Abu Al-Fath, Uthman Bin Jari Al-Mawalli, Al-Luma' fi Al-Arabiyyah by Ibn Jari, Dar Al-Kutub Al-Thaqafiyyah, Kuwait.	
Websites المواقع الالكترونية		



Grading Scheme				
مخطط الدرجات				
Group	Grade	النسبة	Marks %	Definition
Success Group	A - Excellent	امتياز	90 - 100	Outstanding Performance

(50 - 100)	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	مقبول	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 - 49)	RE - Fail	راسب (يحتاج المعالجة)	(45-49)	More work required but credit awarded
	F - Fail	راسب	(0-44)	Considerable amount of work required

Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "inter-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.

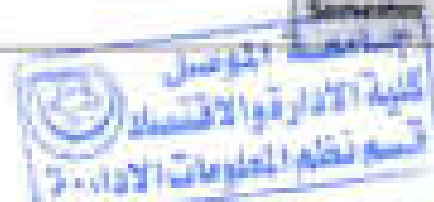
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MODULE DESCRIPTION FORM

Module information				
Module Title	Management Information Systems		Module Delivery	
Module Type	Core		[X] Theory [X] Lecture [X] Lab [X] Tutorial [X] Practical [X] Seminar	
Module Code	MIS-1213			
ECTS Credits	8			
SWL (hr/sem)	240			
Module Level	UG	Semester of Delivery	Two	
Administering Department	Type Dept. Code	College	Type College Code	
Module Leader	Dr. Huda abdulahem Hussein Ali		e-mail	huda_abdulahem@uomusul.edu.iq
Module Leader's Acad. Title	Assistant professor		Module Leader's Qualification	Ph.D
Module Tutor	Name (if available)		e-mail	E-mail
Peer Reviewer Name	Name		e-mail	E-mail
Scientific Committee Approval Date	13/08/2024		Version Number	1.0

Relation with other Modules			
Prerequisite module	MIS-1101	Semester	
Co-requisites module	None	Semester	



Module Aims, Learning Outcomes and Indicative Contents

Module Objectives

Identify the concept of the management information system, its elements and its importance.

Identify contemporary technologies related to management information systems, their concepts, how to deal with them, and their uses.

Spreading cultural and scientific awareness regarding the concepts of management information systems and the importance of this system in serving society, organizations, and the labor market.

Module Learning Outcomes

Preparing students with sufficient knowledge of information systems and how to deal with this system and use it in the field.

Removing ambiguity and lack of clarity around the concepts of information systems as a modern concept in the labor market.

Clarify the areas in which the information system can be used and in a manner that achieves the goals of its users.

Identify the parties that benefit from dealing with the administrative information systems by clarifying the concept of the beneficiary and his relationship to the information system.

Achieving many advantages from using the information system, such as accuracy of work, speed of completion, and reduced costs.

	Making sound, accurate and timely decisions based on correct, error-free information that represents the outputs of the management information systems.
Indicative Contents	The guidance content includes the following. Part A - Management Information System Information System Security - Information System Confidentiality - Risks of System Hacking and How to Deal with Them Information Systems from a Functional Perspective - Basic Features and Types of Functional Information Systems - (15 Hours) Information systems by organizational level - operational and administrative level systems - strategic level systems middle management systems Part B - Types of information systems and their beneficiaries Database systems - Retrieval systems - Communication systems - beneficiaries of management information systems - The concept of the beneficiary - The role of the beneficiary in determining the effectiveness of the management information system The strategic role of the management information system - the concept of strategy - its elements - the strategic superiority of the information system - competitive advantages The philosophical perspective on knowledge - The concept of knowledge - knowledge management process and its importance and characteristics of knowledge - the infrastructure of knowledge management

	The relationship between information systems and contemporary technologies and systems - data mining - artificial intelligence - expert systems - business intelligence - decision support systems. Total Hours = 105 = 10SWL - (Exam Hours) = 105 - 4 = 101 hours (Timetable Hours x 19 Weeks)
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Learning and Teaching Strategies	
Strategies:	The main strategy adopted in delivering this course is to encourage student participation while simultaneously developing their critical thinking skills through discussions, dialogues, daily and semester assignments and exams, as well as preparing reports related to the course, discussing them, and identifying their relationship to the field.

Student Workload (SWL)			
Structured SWL (h/sem)	79	Structured SWL (h/w)	5
Unstructured SWL (h/sem)	121	Unstructured SWL (h/w)	8
Total SWL (h/sem)	200		



Module Evaluation					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcomes
Formative assessment	Quizzes	1	10% (10)	5 and 9 and 13	The symbols below represent the

					relevance of this formative assessment to the learning outcomes identified above.
	Assignments	1	20% (20)	Continuous	AF
	Report	1	10% (10)	7 and 13	LO #5, #6 and #10
Summative assessment	Midterm Exam	1hr	10% (10)	7	LO #1 – #7
	Final Exam	3hr	90% (90)	16	AF
Total assessment:			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)	
	المواد المغطاة
Week 1	Information systems security and the risks it faces
Week 2	Problems facing information systems
Week 3	Main types of information systems
Week 4	Information systems from a functional perspective
Week 5	Basic features and types of functional information systems
Week 6	Information systems by organizational levels
Week 7	Operational and administrative level systems
Week 8	Strategic level systems
Week 9	Types of information systems/database systems
Week 10	Retrieval system
Week 11	Communication system
Week 12	Benefits/risks of management information systems
Week 13	The strategic role of management information systems
Week 14	The concept of knowledge and the philosophical perspective of knowledge
Week 15	The relationship of management information systems to contemporary concepts and technologies
Week 16	Preparatory week before the final Exam

جامعة الموصل
كلية الإدارة والاقتصاد
قسم نظم المعلومات

Delivery Plan (Weekly Lab. Syllabus)

	Material Covered
Week 1	
Week 2	
Week 3	
Week 4	
Week 5	
Week 6	
Week 7	

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	Influence of Management Information System Domains on Institutional Performance: 2023, Nazem Shrieqat, Waseem Al-Abdalla, Mohammad Al-Hussain, and Basal Al-	
Recommended Texts		
Websites		

Grading Scheme مخطط الدرجات				
Group	Grade	التقدير	Marks %	Definition
Success Group (90 - 100)	A - Excellent	Excellent	90 - 100	Outstanding Performance
	B - Very Good	Very Good	80 - 89	Above average with some errors
	C - Good	Good	70 - 79	Sound work with notable errors
	D - Satisfactory	Average	60 - 69	Fair but with major shortcomings
	E - Sufficient	Acceptable	50 - 59	Work meets minimum criteria
Fail Group (0 - 49)	FS - Fail	Fail (in process)	(45-49)	More work required but credit awarded
	F - Fail	Fail	(0-44)	Considerable amount of work required

Notes: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54). The University has a policy NOT to condone "near pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.


د. هدى عبد الرزاق حادي
رئيس قسم نظم المعلومات الإدارية
٢٠٢٠/٥/٨

د. هدى عبد الرزاق حادي



MODULE DESCRIPTION FORM

Module Information			
Module Title	Sustainable Information Systems		Module Delivery
Module Type	Core		☒ Theory ☒ Lecture ☐ Lab ☐ Tutorial ☐ Practical ☒ Seminar
Module Code	MIS1212		
ECTS Credits	6		
WHL (hr/week)	150		
Module Level	UG	Semester of Delivery	One
Administering Department	Type Dept. Code	College	Type College Code
Module Leader	Dr. Mohammed Mustafa Hussein		e-mail: Mohamed_husan@uomust.edu.iq
Module Leader's Acad. Title	Professor	Module Leader's Qualification	PhD
Module Tutor			e-mail:
Peer Reviewer Name	Name	e-mail	E-mail
Scientific Committee Approval Date	25/08/2024	Version Number	

Relation with other Modules			
Prerequisite module	None	Semester	
Co-requisites module	None	Semester	

Module Aims, Learning Outcomes and Indicative Contents	
Module Objectives	The objective of the course is to introduce students to how to design, develop, and use information systems in a way that supports environmental, economic, and social sustainability, by leveraging digital technology and innovations in computing.
Module Learning Outcomes	1. Introduce students to the concept of a sustainable environment in general. 2. Identify the role of various management information systems in achieving environmental sustainability. 3. Provide students with knowledge of the role information technology plays in achieving a sustainable environment. 4. Explain the concept of digital products that have become widespread today, and the availability of these products. 5. Introduce students to smart energy management systems, green cloud computing, and energy management.



	6. Provide students with knowledge about social and economic sustainability and improving quality of life (health, education, etc.).
Indicative Contents	The guiding content includes the following: Part A - Introduction to Sustainability, including: The Concept of Sustainability - Environmental Sustainability - Sustainable Management Information Systems Part B - Types of Sustainability, including: Economic Sustainability - Social Sustainability - Technological Sustainability Total Hours = 105 = SWL - (Exam Hours) = 105 - 4 = 101 hours (Timetable Hours x 15 Weeks)

Learning and Teaching Strategies

Strategies	The main strategy adopted in delivering this course is to encourage student participation in preparing assignments and class discussions, while simultaneously improving and expanding their critical thinking skills. This will be achieved through interactive classes and tutorials, and the presentation of simple case studies that include some theoretical explanations of the subject.
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Student Workload (SWL)

Structured SWL (h/sem)	75	Structured SWL (h/w)	5
Unstructured SWL (h/sem)	121	Unstructured SWL (h/w)	8
Total SWL (h/sem)	200		

Module Evaluation

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	4	10% (10)	2 and 4 and 7 and 15	1,2,4,5
	Assignments	2	20% (20)	Continuous	All
	Report	1	10% (10)	7 and 15	1,5
Summative assessment	Midterm Exam	1hr	10% (10)	7	1,5
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100)		

Delivery Plan (Weekly Syllabus)

	Material Covered
Week 1	Environmental Sustainability Concept, Objectives, Importance, Types, Challenges, Pros and Cons
Week 2	Environmental Sustainability and Management Information Systems/Importance, Objectives, Mechanisms and Methods
Week 3	Environmental Sustainability and Information Technology/Contribution of Information Technology to Sustainable Development, E-Waste Management
Week 4	Using digital technologies to achieve the Sustainable Development Goals in developing countries: good health, quality education, industry and innovation, sustainable cities and communities, production and consumption, climate action
Week 5	Challenges of using digital technologies to achieve the Sustainable Development Goals: the digital divide, infrastructure constraints, costs, digital literacy, information privacy, ethical use of information, regulatory and policy frameworks
Week 6	Cloud computing and smart energy management systems, green cloud computing, reducing energy consumption
Week 7	Digital Products/Product Lifecycle, Digital Product Lifecycle Management
Week 8	Smart Cities / ICT and Improved Resource Management (Water, Energy, Transportation, Others)
Week 9	Smart Agriculture Systems: Using Technology to Improve and Manage Agricultural Resources, Achieving Sustainable Agriculture
Week 10	Social Sustainability/Improving Quality of Life (Health, Education, Other), Sustainable Communication
Week 11	Economic Sustainability/Using Information Systems to Improve Operational Efficiency, Reduce Costs, and Increase Productivity
Week 12	Digital Innovation/Adopting AI technologies to develop innovative solutions that support environmental sustainability
Week 13	Information Systems and Green IT/Determinants of Green IT Success
Week 14	Information Systems, Green Information Technology, and Environmental Sustainability
Week 15	Case studies of the experience of global organizations in information systems and technology in environmental sustainability
Week 16	Preparatory week before the final Exam

Delivery Plan (Weekly Lab. Syllabus)

	Material Covered
Week 1	
Week 2	
Week 3	
Week 4	
Week 5	
Week 6	



Learning and Teaching Resources		
	Text	Available in the Library?
Required texts	مزكين ام نور، "التربية المستدامة بين النظرية والتطبيق" (2010).	
Recommended Texts	يكر، جوادية، "فهم الامتداد" "استخدام الكتاب الاستراتيجي لتعليم التربية المستدامة"، (2021).	
Websites		

Grading Scheme				
Group	Grade		Marks %	Definition
Success Group (50 - 100)	A - Excellent		90 - 100	Outstanding Performance
	B - Very Good		80 - 89	Above average with some errors
	C - Good		70 - 79	Sound work with notable errors
	D - Satisfactory		60 - 69	Fair but with major shortcomings
	E - Sufficient		50 - 59	Work meets minimum criteria
Fail Group (0 - 49)	FX - Fail		(45-49)	More work required but credit awarded
	F - Fail		(0-44)	Considerable amount of work required
Notes: Marks: Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-guess fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.				


 د. علي السعيد
 رئيس قسم نظم المعلومات الإدارية
 ٢٠٢١/١٢


 جامعة القادسيه
 كلية الادارة والاقتصاد
 قسم نظم المعلومات الادارية

 د. علي السعيد
 رئيس قسم المعلومات

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	Mathematics for business management		Module Delivery
Module Type	Core		☐ Theory ☐ Lecture ☐ Lab ☐ Tutorial ☐ Practical ☐ Seminar
Module Code	MIS-1105		
ECTS Credits	4		
EML (h/n/s)	100		
Module Level	UG	Semester of Delivery	One
Administering Department	Type Dept. Code	College	Type College Code
Module Leader	nawal Mahmood hamood		e-mail: nawal_alamary@uomus.edu.iq
Module Leader's Acad. Title	Lecture	Module Leader's Qualification	Msc.
Module Tutor	Name (if available)		e-mail: I-mail
Peer Reviewer Name	Name		e-mail: I-mail
Scientific Committee Approval Date	13/08/2014	Version Number	1.0

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	Name	Semester	
Co-requisites module	Name	Semester	

Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

Module Objectives أهداف المادة الدراسية	1- Studying mathematics increases the opportunity for students to think properly, recognize numbers and use them in some life situations, and for the student to acquire some skills of listening, listening, and focusing on the information provided. 2- It is used to understand natural phenomena and anticipate events because mathematics is essential to understanding many fields when you learn how to calculate and plan.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1- Mathematics helps understand how the economy works and how to make sound financial decisions 2- Developing critical skills and creative thinking 3- Improving memory and creative skills in addition to increasing the ability to concentrate 4- Defining and writing the basis and concepts of mathematics, how to solve mathematical equations using matrices, and the extent of the student's ability to solve mathematical exercises.
Indicative Contents المحتويات الإرشادية	1-Introducing the student to the basics of mathematics and some areas of its application. 2- Dealing with matrices and obtaining the information necessary to make appropriate decisions and the possibility of using this data to solve economic issues. 3- Skills teaching exercises and activating memory. 4- Bringing the student to a level where he has the ability to think creatively and turn it into practical reality.

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Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	The main strategy to be adopted in delivering this unit is to encourage students' participation in the exercises, while at the same time improving and expanding their mathematical thinking skills. This will be achieved through interactive classroom and educational programs and by looking at types of simple exercises that include mathematical problems that are of interest and stimulate students' thinking.

Student Workload (SWL) الحمل الدراسي للطلاب محسوب 1:2 أسبوعياً			
Structured SWL (h/sem) الحمل الدراسي المنظم للطلاب خلال الفصل	64	Structured SWL (h/w) الحمل الدراسي المنظم للطلاب أسبوعياً	4
Unstructured SWL (h/sem) الحمل الدراسي غير المنظم للطلاب خلال الفصل	68	Unstructured SWL (h/w) الحمل الدراسي غير المنظم للطلاب أسبوعياً	6
Total SWL (h/sem) الحمل الدراسي الكلي للطلاب خلال الفصل	132		

Module Evaluation تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	8	10% (10)	5 and 9 and 13	تعلي الترميز أثناء عبثة هذا التقييم التكويني بصفوفات التعليم التي لم تمتدتها أولاً LO #1, #2 and #10, #11
	Assignments	1	10% (10)		كتابة تقرير عن التجارب LO #12
	Lab	1	20% (20)		التجارب العملية LO #13
	Report	2	10% (10)	7 and 13	LO #5, #8 and #10

Summative assessment	Midterm Exam	1hr	10% (10)	7	LD H1 - H7
	Final Exam	3hr	50% (50)	18	AE
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)	
المناهج الأسبوعي النظري	
	المواد المغطاة
Week 1	Sets of numbers and their types
Week 2	Groups and their types
Week 3	Periods and their types
Week 4	Operations on groups
Week 5	Inequalities/methods of solving them and their properties
Week 6	Solve absolute value inequalities
Week 7	Matrices and their types
Week 8	Algebraic operations on matrices
Week 9	Standard/matrix multiplication
Week 10	Properties of matrix multiplication
Week 11	Determinants and methods of calculating them
Week 12	Properties of determinants
Week 13	Conjugate matrix/Applications for finding the conjugate matrix D for different orders
Week 14	Matrix inverse/determinant method
Week 15	Solve a system of linear equations using matrices/matrix method
Week 16	Preparatory week before the final Exam

أسبوع تحضيري قبل الامتحان النهائي

Delivery Plan (Weekly Lab. Syllabus)	
المناهج الأسبوعي المختبر	
	Material Covered
Week 1	 جامعة القادسية كلية الإدارة والاقتصاد قسم إحصاءات الأعمال ٢٠٢٠
Week 2	
Week 3	
Week 4	

Week 5	
Week 6	
Week 7	

Learning and Teaching Resources مصادر التعلم والتعليم		
	Text	Available in the Library?
Required Texts النصوص المطلوبة	فادي خليل حسان ، الرياضيات للعلوم الإدارية والمالية ، ١ - ٢٠٠٦ إكر فيصل ، ماسر محمد ، الرياضيات في العلوم المالية والإدارية والاقتصادية ، ٢٠١٠	
Recommended Texts النصوص الموصى بها	غرام صدي ، صالح صالح ، الرياضيات ، ٢٠٠٠	
Websites المواقع الإلكترونية		

Grading Scheme مخطط الدرجات				
Group	Grade	التقدير	Marks %	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جداً	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	مقبول	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 - 49)	FR - Fail	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded
	F - Fail	راسب	(0-44)	Considerable amount of work required
Notes: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.				


 د. فادي خليل حسان
 ٢٠١٦ / ١٠ / ٢٠




 د. أكرم صدي

MODULE DESCRIPTION FORM

Module Information			
Module Title	Accounting Basics		Module Delivery
Module Type	Core		☐ Theory ☐ Lecture ☐ Lab ☐ Tutorial ☐ Practical ☐ Seminar
Module Code	NMIS-1208		
ECTS Credits	6		
SWL (hr/sem)	150		
Module Level	UG	Semester of Delivery	One
Administering Department	Type Dept. Code	College	Type College Code
Module Leader	Dona Adreesa		e-mail: dona.adreesa.2018@mmu.edu.lb
Module Leader's Acad. Title		Module Leader's Qualification	
Module Tutor	Name (if available)	e-mail	E-mail
Peer Reviewer Name	Name	e-mail	E-mail
Scientific Committee Approval Date	10/08/2014	Version Number	1.0

Relation with other Modules			
Prerequisite module	None	Semester	
Co-requisite module	None	Semester	

Module Aims, Learning Outcomes and Indicative Contents	
Module Objectives	1. Understand the fields of accounting. 2. Understand the theoretical background of accounting, understand the accounting cycle, its underlying assumptions and principles, and prepare financial statements and final accounts.
Module Learning Outcomes	1. To familiarize students with the concept of accounting, as it is a core subject in all college departments. 2. To achieve the Department of Management Information Systems' objectives of

Learning outcomes for the subject	preparing students with sufficient knowledge of the department's fundamentals. 3. To familiarize students with the historical development of accounting until it reached its current form. 4. To familiarize students with the accounting foundations, assumptions, principles, and policies that govern the accountant. 5. Students' knowledge of the accounting cycle from recording entries until issuing financial statements.
Indicative Contents	The guidance content includes the following: Introduction to Accounting Basic Functions of Accounting and Users of Accounting Information The Scientific Aspect of Accounting, its Objectives, Principles, and Assumptions Single-Entry Book Accounting Transactions - The Accounting Equation Double-Entry Bookkeeping - Accounting Documents and Records Double-Entry Bookkeeping - Accounting Documents and Records The Accounting Cycle - Financial Transaction Analysis - Recording - Posting - Balancing - Trial Balance Accounting for the Formation of Businesses - Capital Advances, Increases, and Decreases Personal Withdrawals, Loans, and Interest Revenue and Capital Expenditures Accounting for Inventory, Purchases, Returns, Allowances, and Purchase Expenses Sales, Returns, and Allowances Discounts (Trade, Cash, and Quantity) Cost of Goods Sold Total Hours = (75 × SWL) - (Exam Hours) = 54 × 8 = 50 Hours (Timetable Hours × 15 Weeks)

Learning and Teaching Strategies	
Strategies	The main strategy adopted in delivering this course is to encourage student participation in preparing assignments and class discussions, while simultaneously improving and expanding their critical thinking skills. This will be achieved through interactive classes and tutorials, and the presentation of simple case studies that include theoretical and practical applications of the material.

Student Workload (SWL)			
الحمل الدراسي للطلاب محسوب 10 اسيوت			
Structured SWL (h/sem)	70	Structured SWL (h/w)	8
		الحمل الدراسي المنظم للطلاب أسبوعيا	

الحمل الدراسي المنظم للطلاب خلال الفصل			
Unstructured SWL (h/sem) الحمل الدراسي غير المنظم للطلاب خلال الفصل	72	Unstructured SWL (h/w) الحمل الدراسي غير المنظم للطلاب أسبوعياً	5
Total SWL (h/sem) الحمل الدراسي الكلي للطلاب خلال الفصل	150		

Module Evaluation

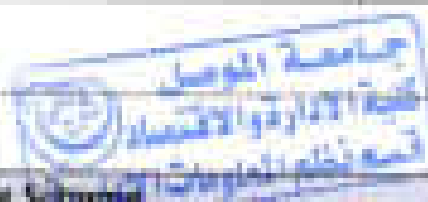
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	4	10% (10)	3-6-9-12	L1, L2, L3, L4, L5, L6
	Online Assignments	2	10% (10)	3-6	L2, L3, L4, L5, L6
	Onsite Assignments	2	10% (10)	3-4	L2, L3, L4, L5, L6, L7
	Report	1	10% (10)	14	L2, L3, L4, L5, L6, L7
Summative assessment	Midterm Exam	1hr	30% (30)	7	L2, L3, L4, L5, L6, L7
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)

	Material Covered
Week 1	Introduction to Accounting
Week 2	Basic Functions of Accounting and Users of Accounting Information
Week 3	The Scientific Aspect of Accounting: Its Objectives, Principles, and Assumptions
Week 4	Single-Entry Book
Week 5	Accounting Transactions - The Accounting Equation
Week 6	Double-Entry Bookkeeping - Accounting Documents and Records
Week 7	Double-Entry Bookkeeping - Accounting Documents and Records
Week 8	The Accounting Cycle - Financial Transaction Analysis - Recording - Posting - Balancing - Trial Balance
Week 9	Accounting for the Formation of Businesses - Capital Advances, Premiums, and Contributions
Week 10	Personal Withdrawals, Loans, and Interest
Week 11	Revenue and Capital Expenditures
Week 12	Accounting for Goods (Inventory), Purchases, Returns, Allowances, and Purchase Expenses

Week 13	Sales, Returns, and Allowances
Week 14	Discount (Trade, Cash, Quantity)
Week 15	Cost of Goods Sold
Week 16	Preparatory week before the final Exam
Delivery Plan (Weekly Lab. Syllabus)	
	Material Covered
Week 1	
Week 2	
Week 3	
Week 4	
Week 5	
Week 6	
Week 7	

Learning and Teaching Resources مصادر التعلم والتعليم		
	Text	Available in the Library?
Required Texts النصوص المطلوبة	A Methodological Book Accounting Principles Book Muqdad Ahmed Al-Jalili	Library of the College of Administration and Economics
Recommended Texts النصوص الموصى بها	Auxiliary Book Financial Accounting Book Muhammad Taher Al-Shawi	Library of the College of Administration and Economics
Websites المواقع الالكترونية		



Grading Scheme مخطط التدرجات				
Group	Grade	التصنيف	Marks %	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جداً	80 - 89	Above average with some errors

	C - Good	جيد	70 - 79	Sound work with notable errors.
	D - Satisfactory	مقبول	60 - 69	Fair but with major shortcomings.
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria.
Fail Group (0 - 49)	FX - Fail	راسية (فقد المتابعة)	(45-49)	More work required but credit awarded.
	F - Fail	راسية	(0-44)	Considerable amount of work required.
Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.				


 أ.د. هدى الفاييز
 رئيسة قسم نظم المعلومات الإدارية
 ٢٠٢٥/١١/٢٠


 د. هدى الفاييز

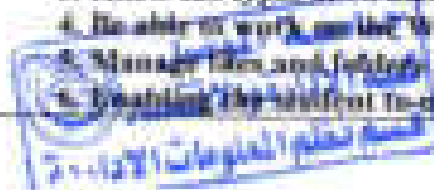


MODULE DESCRIPTION FORM

Module Information			
Module Title	computer		Module Delivery
Module Type	Basic		☒ Theory ☐ Lecture ☒ Lab ☐ Tutorial ☐ Practical ☐ Seminar
Module Code	CEDE-110		
ECTS Credits	3		
SWL (hours)	75		
Module Level	UG/LL UGI	Semester of Delivery	One
Administering Department	Type Dept. Code	College	
Module Leader	Asst Lec. Adnan S. Mahmood	e-mail	Adnan.sulth@uomusul.edu.iq
Module Leader's Acad. Title	Assistant lecturer	Module Leader's Qualification	Master's
Module Tutor	Name (if available)	e-mail	E-mail
Peer Reviewer Name	Name	e-mail	E-mail
Scientific Committee Approval Date	15/10/2024	Version Number	1.0

Relation with other Modules			
Prerequisite module	Name	Semester	
Co-requisite module	Name	Semester	

Module Aims, Learning Outcomes and Indicative Contents	
Module Objectives	The course aims to introduce students to the computer system and its main components (hardware, software), as well as related programs and accessories. • Develop and enhance students' understanding of computers. • Acquire the technical skills necessary to operate hardware and implement programs. • Understand the types of programming languages. • Work to familiarize students with the components of a computer and the functions of each component. • In addition, it will enable students to master a number of basic applications, such as the operating system and Office programs. • Develop and enhance students' mental abilities.
	1. Know how a computer works and operates 2. Know the hardware and software components of a computer 3. Know the types of viruses and how to protect against them 4. Be able to work on the Windows operating system 5. Manage files and folders and install programs 6. Enable the student to use Office applications



 Scientific Committee

Indicative Contents	The instructional content includes the following: Part A - Introduction to Computers • Introduction to computers, computer generations, computer features and areas of use, types of computers. - Computer components (hardware, software) • What is an operating system? Functions of an operating system, objectives of an operating system, classification of an operating system, examples of some operating systems. 1. The Windows operating system, 2. Windows installation requirements, 3. Windows features, 4. Desktop components, 5. The Start menu, 6. The taskbar, 7. Folders and files, 8. Icons, 9. Desktop backgrounds, 10. The control panel. • Getting to know Microsoft Word, how to open or run the program, Word menus, the standard toolbar, the Home menu, the toolbar, the Insert menu, and Page Layout. • Introduction to Microsoft Excel, how to operate the program, familiarizing yourself with the program interface, entering and editing data in tables, formatting columns and rows, formatting cells, inserting rows and columns, working with worksheets, adding, copying, moving, renaming, merging, and unmerging sheets. • The Power Point presentation program interface, components of the tab bar, working with slides (design, inserting a slide, duplicating a slide, moving slides), inserting graphics, inserting objects, adding animations, transitions between slides, recording video of slides, preparing slide shows. • What is the Internet, the World Wide Web, web browsers, internet addresses, websites, search engines, email. • Computer security and software licensing, forms of abuse in the digital world, computer privacy, intellectual property, cybercrime. Total Hours = 175 = SWL. + (Exam Hours) = 94 + 8 = 98 Hours (Timetable Hours) x 15 Weeks
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Learning and Teaching Strategies	
Strategies	1. Interactive lecture 2. Brainstorming 3. Dialogue and discussion 4. Practical exercises 5. Self-learning and assignments and reports.

Student Workload (SWL)			
Structured SWL (h/sem)	48	Structured SWL (h/w)	3
Unstructured SWL (h/sem)	27	Unstructured SWL (h/w)	2
Total SWL (h/sem)	75		



Module Evaluation					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcomes
Formative assessment	Quizzes	4	10% (10)	3-6, 8, 12	LO #1 -#2 -#3 -#4 -#5
	Online Assignments	1	10% (10)	4-12	LO #1 -#2 -#3 -#4 -#5
	Online Assignments	1	10% (10)	3-4	LO #1 -#2 -#3 -#4 -#5 -#6
	Report	1	10% (10)	12	LO #1 -#2 -#3 -#4 -#5 -#6
Summative assessment	Midterm Exam	1hr	10% (10)	7	LO #1 - #4
	Final Exam	2hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)	
	Material Covered
Week 1	Computer Basics 1. Evolution of Computer Generations 3. Data and Information 4. Computer Features 5. Areas of Computer Use
Week 2	Types of computers, computer components (hardware, software)
Week 3	Operating Systems 1. Definition of an Operating System 2. Functions of an Operating System 3. Objectives of an Operating System 4. Classification of an Operating System 5. Examples of Some Operating Systems
Week 4	Windows operating system, Windows installation requirements, Windows features, moving windows from one place to another, controlling window capacity (width/height), desktop components, Start menu, taskbar, desktop wallpapers.
Week 5	Control Panel, My Computer, Organizer Files, Select/Choose Folder, Create Folder, Rename, Delete File/Folder, Copy File/Folder, Move File/Folder,
Week 6	Learn about Microsoft Word, how to open and run the program, Word program menus
Week 7	Title bar, Standard toolbar, File tab, Home tab, Insert tab, Design tab, Page Layout tab
Week 8	Introduction to Microsoft Excel, how to run the program, getting to know the program interface, getting to know the ribbons and how they work, entering and editing data in tables, Font tab, Alignment tab, Number tab
Week 9	Styles tab, Cells tab, Edit tab, Working with worksheets, Adding, Copying, Moving, Renaming, Merging and Unmerging Sheets
Week 10	Excel Functions and mathematical equations with an applied example
Week 11	Power Point presentation interface, tab bar components, working with slides (design, insert slide, duplicate slide, move slides), inserting graphics, inserting objects
Week 12	Add animations, transitions between slides, record video of slides, prepare slide themes
Week 13	What is the Internet, World Wide Web, Web browser, Internet address, Website, Search Engines, Email
Week 14	Computer security and software licensing, forms of abuse in the digital world, computer privacy, intellectual property, cyber hacking, sources of cyber hacking
Week 15	Computer viruses. The damage caused by viruses, virus components, types of viruses, steps to protect against viruses, and the health risks of computers
Week 16	Preparatory week before the final Exam

Delivery Plan (Weekly Lab. Syllabus)

	Material Covered
Week 1	Learn about the components of the computer, input and output devices, operating system, desktop, taskbar, and control panel.
Week 2	Handling files, folders, and applications
Week 3	Applications on Microsoft Word
Week 4	Microsoft PowerPoint
Week 5	Excel program
Week 6	Excel program
Week 7	Internet, websites, search engines

Learning and Teaching Resources

	Text	Available in the Library?
Required Texts	Ziad Mohammed Abboud, Ghassan Hamid Abdul Maqsood, Amir Hassan Murad, Bilal Kamal Ahmed, 2014, Computer Fundamentals and its Applications, Part One, University House for Printing, Publishing, Authorship and Translation, Ministry of Higher Education and Scientific Research - Research and Development Department, Baghdad, Iraq.	
Recommended Texts	Muhammad Al-Zoubi, Ahmad Al-Sharfi'a, Munir Qasbiat, Suhair Abdullah, Khalida Muhammad Al-Zoubi, 2017, "Computers and Ready-Made Software: Computer Skills Arabic-English", Fifth Edition, Wael Publishing and Distribution House, Amman, Jordan. Aymen Jamil Al-Ninour, Muhammad Ali Hashim Al-Jiniri, Anas Hamid Abu Talib, 2013, "Computers and Ready-Made Software" Computer Skills Arabic/English" https://lib.ghassan-studies.edu.sy/index.php?module_Article&id=2222	
Websites	https://ids.gatehal.org/en/it_en.html https://books-library.net/en/99475045-download	

Group	Grade	Marks %	Definition
Success Group (50 - 100)	A - Excellent	90 - 100	Outstanding Performance
	B - Very Good	80 - 89	Above average with some errors
	C - Good	70 - 79	Sound work with notable errors
	D - Satisfactory	60 - 69	Fair but with major shortcomings
	E - Sufficient	50 - 59	Work meets minimum criteria
Fail Group (0 - 49)	FX - Fail	(85-49)	More work required but credit awarded
	F - Fail	(0-44)	Considerable amount of work required

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	اللغة الانجليزية		Module Delivery
Module Type	B		☒ Theory ☐ Lecture ☐ Lab ☐ Tutorial ☐ Practical ☐ Seminar
Module Code	10341-192		
ECTS Credits	2		
SWL (hr/sem)	40		
Module Level	UG	Semester of Delivery	One
Administering Department		College	
Module Leader	Ruqa Zuhair Hamdy	e-mail	ruqa.zuhair@uomosul.edu.iq
Module Leader's Acad. Title	Assistant Lecturer	Module Leader's Qualification	Master of English Language
Module Tutor		e-mail	
Peer Reviewer Name		e-mail	
Scientific Committee Approval Date	2024/9/10	Version Number	1.0

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	Name	Semester	
Co-requisites module	Name	Semester	

Module Aims, Learning Outcomes and Indicative Contents	
أهداف المادة الدراسية ونتائج التعلم والمستويات الإرشادية	
Module Objectives أهداف المادة الدراسية	1- Develop basic English language skills, including communication, vocabulary and cultural understanding for beginner-level learners 2- Develop listening and comprehension skills through interactive exercises based on simple dialogues. 3- Enhancing speaking skills by teaching correct pronunciation and encouraging students to use language in simple conversational situations such as self-identification and asking for personal information. 4- Teaching basic writing, such as writing short and simple sentences. 5- Understand basic rules such as sentence structure, present and simple past tense, and the basics of verb conjugation.

	6- Expanding vocabulary to suit the needs of beginners, such as numbers, colors, jobs, and family.
Module Learning Outcomes مخرجات التعلم للمodule الدراسية	1- The ability to have simple conversations: The student can introduce himself and introduce others. 2- The ability to write in a simple style: write short and clear sentences that describe daily events or express simple ideas. 3- Develop listening and comprehension skills: the ability to understand simple conversations and short dialogues that contain familiar vocabulary and structures. 4- Improving pronunciation and linguistic rhythm: improving the pronunciation of basic words and phrases. 5- Increase confidence in language use: Gain confidence in communicating in English in real situations.
Indicative Contents المحتوى الإرشادي	The instructional content includes the following: 1- Grammar Guidance: • The book provides a simplified and clear explanation of basic grammatical rules such as the simple present tense and the simple past. • Displays visual tables and illustrations to help teachers present grammar in a smooth and understandable way. 2- Vocabulary Building Guidelines: • Demonstrates how to teach new vocabulary by linking to images, dialogues, and everyday situations. • Contains lists of basic vocabulary for each unit of study, which helps teachers focus on specific words to expand students' knowledge. 3- Guidelines for teaching listening skills: • Enhances students' ability to understand spoken language through audio clips that contain simple conversations. • Recommend using interactive exercises after listening to ensure that students understand the audio texts. 4- Guidelines for teaching speaking skills: • Includes tips on how to correct pronunciation and guide students to correct pronunciation of words and structures. • Encourages teachers to use everyday situations to train students to speak fluently. 5- Guidelines for teaching reading skills: • Provides strategies for analyzing texts and learning how to assimilate key ideas. • Contains guided exercises to measure students' comprehension of the read content, with a focus on keywords. 6- Guidelines for teaching writing skills: • Focuses on developing simple writing skills through graded exercises, such as writing short sentences and then progressing to writing short paragraphs. • Provides guidance on correcting common writing errors and improving sentence structure. 7- Guidelines for the use of supplementary materials: • The book encourages the use of additional materials such as language games, flashcards, and interactive activities to prepare lessons in a fun way. • Provides suggestions for additional educational resources on other websites.

	educational videos, and interactive applications. 8- Assessment & Feedback Guidelines: • Provides ways to assess student progress through classroom activities and quizzes. It provides sample questions and continuous evaluation exercises.
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Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	1- Interactive Learning This strategy encourages students to interact through teacher-run classroom activities such as role-playing and one-on-one conversations, which helps to boost confidence in using new vocabulary in real-life situations. 2- Image-based learning (Visual Learning) This approach uses visual aids such as pictures and flashcards to teach vocabulary, making it easier to understand and remember by connecting words with their visual meanings. 3- Task-based learning This strategy focuses on assigning students tasks based on the use of new vocabulary in practical contexts, which promotes the application of vocabulary in life situations. 4- Listening-Based Learning This technique makes use of auditory activities such as conversations and dialogues to teach students how to use vocabulary and understand the correct pronunciation of words. 5- Writing-Based Learning This strategy promotes the use of new vocabulary through writing exercises that help anchor words in students' memory. 6- Collaborative Learning: This strategy encourages students to work together and learn from each other using new vocabulary in joint activities, which enhances language interaction. 7-Use of Technology Integration This strategy takes advantage of applications, interactive websites and video videos to teach vocabulary in a fun and interactive way, allowing students to review and learn at any time. 8-Continuous Assessment This strategy focuses on evaluating students continuously through quizzes and classroom activities, which helps to measure student progress and adjust teaching methods as needed.

Student Workload (SWL) العمل الدراسي للطلاب: مجموع 50 أسبوعاً			
Structured SWL (h/sem) العمل الدراسي المنظم للطلاب خلال الفصل	33	Structured SWL (h/w) العمل الدراسي المنظم للطلاب أسبوعياً	2
Unstructured SWL (h/sem) العمل الدراسي غير المنظم للطلاب خلال الفصل	17	Unstructured SWL (h/w) العمل الدراسي غير المنظم للطلاب أسبوعياً	1.5
Total SWL (h/sem) العمل الدراسي الكلي للطلاب خلال الفصل	50		

Module Evaluation تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	4	10% (10)	3-6-8-11	(LO #1) #3-#5-#6
	Online Assignments	1	10% (10)	4-12	(LO #1) #3-#5-#6
	Online Assignments	3	10% (10)	3-14	(LO #1) #3-#5-#6-#7
	Report	1	10% (10)	14	(LO #1) #3-#5-#6-#7
Summative assessment	Midterm Exam	2hr/1	10% (10)	10	(LO #2 and #3)
	Final Exam	3hr/1	50% (50)	16	(LO #2 and #5)
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المناهج الأسبوعية المقررة		المرحلة الدراسية
Week 1	Hello, verb to be and numbers	
Week 2	Your world, Pronouns and adjectives	
Week 3	All about you, Negative questions and short answers	
Week 4	Family and friends, Possessive adjectives	
Week 5	Things I like, Present simple positive and negative	
Week 6	Every day, Present simple	
Week 7	Favorite things, Question words	
Week 8	Home sweet home, There is and there are	
Week 9	Past time, Was/ were	
Week 10	Midterm exam...	
Week 11	We had a good time, Regular and irregular verbs	
Week 12	We can do it, Can/ cannot and adverbs	
Week 13	Thank you very much, Would like/ some any	
Week 14	What is happening now, Present continuous	

Second-stage courses

Course description

Course Name						1
Marketing Management						
Course Code						2
EMI23_F204						
academic year						3
2024-2023						
Date the description was prepared						4
2024/4/1						
Available attendance forms						5
Attendance in the classroom						
Number of study hours						6
hours 3						
Course objectives						7
Identifying the concept of marketing and its importance to the organization Identifying the marketing mix, and what this is to and the customer, in addition internal and external marketing environment is						
Learning methods						8
		explanations of Lecture: consists of theoretical basic concepts Case studies: A group of problems adapted from organizations				
9						
Course structure						10
Evaluation method	Teaching method	Topic title	Required output	hours	Per week	
	a lecture	Introduction to the material		3	1	

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م.م. هادي



	a lecture	Introduction to the study of marketing concept, importance,) and marketing (processes	3	2
	a lecture	Benefits of marketing and stages of development of marketing management	3	3
	a lecture	Marketing mix (product pricing -	3	4
	a lecture	Marketing mix -promotion) (distribution	3	5
	a lecture	Exam	3	6
	a lecture	Exchange process	3	7
	a lecture	Internal environment	3	8
	a lecture	External environment	3	9
	a lecture	Exam	3	10
	a lecture	SWOT analysis	3	11
	lecture a	Porter's five forces	3	12
	a lecture	consumer's behaviour	3	13

	a lecture	Exam		3	14
	a lecture	Case study of McDonald's		3	15
Sources: (1)					
Baker 2020, Marketing Management, Abi-Marketing Management, Thamer Al Dwaifi-Saeed Al					
(2)					


 أ.م.د. ثامر الدوايفي
 أستاذ المساعد في التسويق
 ٢٠٢٠/١٠/٢٠


 د. ساعد الدوايفي



Course Description Form

1. Course Name:	
Human Resource Management	
2. Course Code:	
AEMI25_F203	
3. Semester / Year:	
2024-2025	
4. Description Preparation Date:	
10/9/2025	
5. Available Attendance Forms:	
In the Classroom	
6. Number of Credit Hours (Total) / Number of Units (Total)	
45 hours \ 3 Units	
7. Course administrator's name (mention all, if more than one name)	
Name: Abdullah Abdulhaq Khmees Email: abdullah_abdulahak@uomsoad.edu.iq	
8. Course Objectives	
Course Objectives	Knowledge of human resources management concepts, historical development, and relationships with other departments. Knowledge of the most important activities of human resources management, analysis and description of jobs, planning methods, staffing, evaluating and training for human resources, and the methods of paying compensation.
9. Teaching and Learning Strategies	
Strategy	• lecture • Discussion • Brainstorming • Collaborative work • Case Study



16. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3	Knowing of the concept of human resources management and the stages of its development	The concept of human resources management and its historical development	Lecture & discussion	Q&A and discussion
2	3	Knowing the location of human resources management in the organizational structure	Organizing human resources management	Lecture & discussion	Q&A and discussion
3	3	Knowing the complementary relationships between the organization's departments	The relationship of human resources management with other departments	Lecture & discussion	Q&A and discussion
4	3	skill of analyzing and describing jobs	Job analysis and description	Lecture & discussion	Q&A and discussion
5	3	skill of job design	Job design	Lecture & discussion	Q&A and discussion
6	3	skill of planning and determining the need for human resources	Human resources planning	Lecture & discussion	Q&A and discussion
7	3	Knowledge of methods and alternatives to attract the required human resources	Attracting human resources	Lecture & discussion	Q&A and discussion
8	3	Knowledge of strategies and methods for selecting human resources	Selection of human resources	Lecture & discussion	Q&A and discussion
9	3	Knowledge of the foundations and methods of evaluating employee performance	Human resources performance evaluation	Lecture & discussion	Q&A and discussion
10	3	Knowledge of methods and techniques for training human resources	Human resources training	Lecture & discussion	Q&A and discussion
11	3	Knowing the concept of job evaluation and possessing the evaluation skill	Job evaluation	Lecture & discussion	Q&A and discussion



12	3	Knowing of the concept of salaries, wages, incentives, and methods for determining them	Direct compensation	Lecture & discussion	Q&A and discussion
13	3	Knowing the concept of job benefits and their types	Indirect compensation	Lecture & discussion	Q&A and discussion
14	3	Knowing the emerging Trends in Human Resource Management	Emerging Trends in Human Resource Management	Lecture & discussion	Q&A and discussion
15	3	Measuring the student's level knowledge of what he studied during the semester	Exam	Exam	Exam

11. Course Evaluation

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

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	عادل مرعوش ومحمد سعيد، 2009، إدارة الموارد البشرية - دليل أسس التوظيف، دار الكتاب العلمي للنشر والتوزيع
Main references (sources)	علاكي حنن عبد القادر، 2015، إدارة الموارد البشرية، طوارزيم العلمية، جدة
Recommended books and references (scientific journals, reports...)	مجلة تنمية الموارد البشرية للدراسات والأبحاث https://democraticac.de/?page_id=53375
Electronic References, Websites	المجلس العربي لإدارة الموارد البشرية https://hrdiscussion.com .


 د. علي السيد
 رئيس قسم نظم المعلومات الإدارية
 ٢٠٢٠ / ٤ / ٢٨



٣٠ عبد الله عبد الله

Course Description Form

1. Course Name:	
Programming basics	
2. Course Code:	
AEM125_F205	
3. Semester / Year:	
First/2024-2025	
4. Description Preparation Date:	
1-9-2024	
5. Available Attendance Forms:	
Presence in the class	
6. Number of Credit Hours (Total) / Number of Units (Total):	
4 hrs aweek/ 3 units	
7. Course administrator's name (mention all, if more than one name)	
Name: Hani Ramadhan Alkhaled Email: hani_alnaimi@uomosul.edu.iq	
8. Course Objectives	
Course Objectives 	- Providing the student with programming skills and the basics of the C++ language. - The student acquires the ability to solve scientific problems in a logical, sequential manner by understanding the steps in the programming language - Preparing the student to work in an administrative environment that has some office software tools that have become necessary these days
9. Teaching and Learning Strategies	
Strategy	1- Lecture

- 2- Homework
- 3- Practice in lab

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	4		Introduction to Programming Basics	Lecture and discussion	Ask questions and discuss
2	4		Programming basics	Lecture and discussion	Ask questions and discuss
3	4		Data types	Lecture and discussion	Ask questions and discuss
4	4		Program structure	Lecture and discussion	quiz
5	4		Input and output sentences1	Lecture and discussion	Ask questions and discuss
6	4		Input and output sentences 2	Lecture and discussion	Ask questions and discuss
7	4		Arithmetic Operations 1	Lecture and discussion	Ask questions and discuss
8	4		Arithmetic Operations 2	Lecture and discussion	Ask questions and discuss
9	4		Input, output and arithmetic operations	Lecture and discussion	midterm exam
10	4		Control	Lecture and discussion	Ask questions and discuss



11	4		Control sentences 2	Lecture and discussion	Ask questions and discuss
12	4		Control sentences 3	Lecture and discussion	quiz
13	4		Control sentences 4	Lecture and discussion	Ask questions and discuss
14	4		Applications in programming	Lecture and discussion	Ask questions and discuss
15	4		Control statements 1 and 4, 3, 2		midterm exam

11. Course Evaluation

Quizzes: 5
 Homework: 5
 Midterm exams: 30
 Final exam: 60

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	C++ Programming with Practical and Engineering Applications Prof. Dr. Awad Mansour, Dr. Abdel Ajli, and Dr. Mahmoud Abaza. Al-Yazouri Publishing House, Second Edition, 1997.
Recommended books and references (scientific journals, reports...)	C++ Programming Basics, Dr Ibrahim Nayeib and Dr. Mohamed Nour Burhan, Wael Publishing House
Electronic References, Websites	


 د. محمد نور بurchan
 ٢٠٢٠/٤/٢٧


 د. إبراهيم ناييب
 ٢٠٢٠/٤/٢٧



Course Description Form

1. Course Name:

Information Systems Basics / Second Stage

2. Course Code:

AEIS14_F207

3. Semester / Year:

2024-2025

4. Description Preparation Date:

1/9/2024

5. Available Attendance Forms:

Descriptive theoretical lectures

6. Number of Credit Hours (Total) / Number of Units (Total)

2

7. Course administrator's name (mention all, if more than one name)

Name: Baraa Bassam Yahya Al-Sayegh

Email: bara_bassam@uomissul.edu.iq

8. Course Objectives

Course Objectives:



Providing students with the concept of the management information system, its components, importance, and role in supporting various organizational functions, as well as how it can contribute to supporting administrative decisions and achieving competitive advantages.

9. Teaching and Learning Strategies

Strategy

Students will have knowledge of the concepts of management information systems, their types, subsystems and functions.

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Introduction to Management Information Systems		Lecture	Daily Exam, Homework, discussion
2	2	The concept of systems and system elements		Lecture	Daily Exam, Homework, discussion
3	2	Types of Systems / Introduction and Systems Theory		Lecture	Daily Exam, Homework, discussion
4	2	Basic principles of general systems theory/system components and elements		Lecture	Daily Exam, Homework, Discussion
5	2	Data and data management and information/sources and processing methods		Lecture	Daily Exam, Homework, discussion
6	2	Characteristics of information/types/value of information		Lecture	Daily Exam, Homework, discussion
7	2	Confidentiality and security of information		Lecture	Daily Exam, Homework, discussion
8	2	The development of management information systems and the factors that contributed to the development		Lecture	Daily Exam, Homework, discussion



9	2	The concept of management information systems and approaches to their study	Lecture	Daily Exam, Homework, discussion
10	2	Common concepts about information systems	Lecture	Daily Exam, Homework, discussion
11	2	Characteristics and benefits of information systems	Lecture	Daily Exam, Homework, discussion
12	2	Management Information Systems Supplies	Lecture	Daily Exam, Homework, discussion
13	2	Hardware and software resources of the system	Lecture	Daily Exam, Homework, discussion
14	2	Networking, Communications, and Human Resources	Lecture	Daily Exam, Homework, discussion
15	2	midterm exam	Lecture	Daily Exam, Homework, discussion

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)

Methodological book / Sa' Amin Al-Samarrai and N. Abdullah, 2009, Management Information Systems: Contemporary Introduction, Amman, Jordan

Main references (sources)



Al-Tale, Muhammad Abd Hussein and Ali, Huda Abd Rahim Hussein, 2009, Information Economics: Power in Achieving Competitive Superiority, Institutions, First Edition, Amman, Jordan.

Recommended books and references (scientific journals, reports...)

Electronic References, Websites




Baraa Bassim Yahya


Prof. Dr. Ali Abdalattal
Alshaher

Course Description Form

University of Mosul
College of administration and economics
Department of Management Information System

1. Course Name:					
Business Information Technology					
2. Course Code:					
AEMI24_1309					
3. Semester / Year:					
2023-2024					
4. Description Preparation Date:					
15/4/2024					
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: Assistant Professor Dr. Mohamed Y. Mohamed Al-Sabawi					
Email: mohamed_alsabawi@uomosul.edu.iq					
8. Course Objectives:					
Course Objectives	The course aims to introduce the student to (the physical components of information technology, input, processing and output), as well as software, and the administrative aspects of information technology in terms of (the importance of strategy, governance, designing technical architectures, investing in them and managing technical change), and the nature of effective methods for using information technology and ways to reduce its negative effects.				
9. Teaching and Learning Strategies:					
Strategy	- It consists of theoretical explanations of the fundamental concepts of Business Information Technology - Case Studies: to learn the students how to use business intelligence in different aspects of organization.				
10. Course Structure:					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3	Knowledge acquisition	An introductory introduction to information technology	Lecture	Discussion



2	3	Knowledge acquisition	The importance of information technology at the organizational and individual levels	Lecture	Discussion
3	3	Knowledge acquisition	The importance of information technology in terms of information characteristics	Lecture	Discussion
4	3	Knowledge acquisition	The development of information systems and their information characteristics	Lecture	Discussion
5	3	Knowledge acquisition	The physical components of information technology	Lecture	Discussion
6	3	Knowledge acquisition	The strategic role of information technology in organizations	Lecture	Discussion
7	3	Knowledge acquisition	Information technology and its applications in organizations	Lecture	Discussion
8	3	Knowledge acquisition	Information technology and its role in protecting information	Lecture	Discussion
9	3	Acquiring knowledge	The negative effects of information	Lecture	Discussion



			technology on employees and the environment		
10	3	Acquiring knowledge	Ethics of using information technology	Lecture	Discussion
11	3	Acquiring knowledge	Operating system software and applications	Lecture	Discussion
12	3	Knowledge acquisition	Communication and network technologies and their applications in business organizations	Lecture	Discussion
13	3	Knowledge acquisition	IT project management	Lecture	Discussion
14	3	Acquiring knowledge	IT maintenance operations management	Lecture	Discussion
15	3	Knowledge acquisition	Information technology and its role in shaping the features of the digital economy	Lecture	Discussion

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., Pollard, C., & Wood, G. (2018). Information technology for management: On-demand strategies for performance, growth and sustainability. John Wiley & Sons.

الوزير، بسام عبد الرحمن يوسف- 2022 تقنيات المعلومات واستخداماتها في المنظمات المعاصرة، دار
الكتابيون للنشر والتوزيع



أد علي عبد الله
رئيس قسم نظم المعلومات

أحمد محمد حسن
مدير قسم إحصاءات



Course Description Form

1. Course Name:					
Quantitative Methods in Business / Second Level					
2. Course Code:					
AEMI25 F211					
3. Semester / Year:					
First Course: 2024-2025					
4. Description Preparation Date:					
4/21/2025					
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: Nadwa Khazaal Rashad Email: nadwa.khazaal@uomosul.edu.i					
8. Course Objectives					
Course Objectives: Objectives of the course			This course aims to train in creative thinking And developing analytical problem-solving skills through the use of quantitative methods in problem solving And administrative decision-making		
9. Teaching and Learning Strategies					
Strategy		The teaching and learning strategy for the Methods course relies on combination of theoretical education and practical application to enhance students' understanding of complex concepts and develop their skills problem analysis and decision-making.			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3	Cognitive objectives Use of matrix method	Definition and nature of quantitative methods Quantifying methods Advantages of quantitative methods	Lecture	Discussion and exercises



2	3	Cognitive objectives Use of statistical method	Probability Distributions: Binomial Distribution	Lecture	Discuss and solve exercises
3	3	Cognitive objectives Use of statistical methods	Normal Distribution	Lecture	Discuss and solve exercises
4	3	Use of statistical Cognitive objectives methods	Hypothesis Testing: Definition and Concepts	Lecture	Discuss and solve exercises
5	3	Use of statistical Cognitive objectives methods	Testing Statistical Hypothesis for One Mean	Lecture	Discuss and solve exercises
6	3	Use of statistical Cognitive objectives methods	Testing Statistical Hypothesis for Two Means	Lecture	Discuss and solve exercises
7	3	Use of statistical Cognitive objectives methods	Testing Statistical Hypothesis for One Ratio	Lecture	Discuss and solve exercises
8	3	Use of statistical Cognitive objectives methods	Testing Statistical Hypothesis for Two Ratios	Lecture	Discuss and solve exercises
9	3	Use of statistical Cognitive objectives methods	Testing Statistical Hypothesis Using the Correlated T-Sample Distribution	Lecture	Discuss and solve exercises
10	3	Use of statistical Cognitive objectives methods	Definition of Operations Research and the Basic Steps of Operations Research	Lecture	Discuss and solve exercises
11	3	Use of statistical Cognitive objectives methods	Linear Programming Formulas	Lecture	Discuss and solve exercises
12		Use of statistical Cognitive objectives methods	Methods for Solving Linear Programming (Graphical Method)	Lecture	Discuss and solve exercises
13		Use of statistical Cognitive objectives methods	Methods for Solving Linear Programming (Simplex Method)	Lecture	Discuss and solve exercises
14		Use of statistical Cognitive objectives methods	The Corresponding Model	Lecture	Discuss and solve exercises
15		Use of statistical Cognitive objectives methods	Simulation		Discuss and solve exercises

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):
 James Abdul Dulfi (1984) Operations Research, Second Edition, Al-Farabi Publications, Beirut.
 M. M. Mahdawi, Mahmoud, (1987) Principles of Statistics, Al-Farabi Publications, Beirut.



Main references (sources)	Al-Gharbawi, Alaa (2019) Quantitative Methods Management, Dar Al-Taqdīm Al-Jam'ī Publishing The Alexandria Samer Nasser (2004) Quantitative Methods Operation Research in Management, Alam Al-Kutub Hadith Publishing House, Jordan
Recommended books and references (scientific journals, reports,...)	
Electronic References, Websites	


 د. سامر ناصر
 رئيس قسم المعلومات الإدارية
 ٢٠٢١ / ١٠ / ٢٠


 د. سامر ناصر



Course description

Course Name	13
Marketing information systems	
Course Code	14
EMC23_F204	
academic year	15
2024-2023	
Date the description was prepared	16
2024/4/1	
Available attendance forms	17
Attendance in the classroom	
Number of study hours	18
45	
Course objectives	19
the concept and systems of marketing information, in addition to introducing students to the concept of electronic commerce and the stages of its development, and providing students with computer skills in marketing and marketing information systems	
Learning methods	20
	- consists of theoretical explanations of : The lecture - the basic concepts of scientific research - Case studies: A group of problems adapted from organizations - Excel Exercises and applications: Practical exercises using
	21
structure Course	22

م. حبيب الله الحارثي



Evaluation method	Teaching method	Topic title	Required outputs	Hours	the credit
	a lecture	Marketing information systems (conceptual introduction) + importance objectives +		3	1
	a lecture	Elements of a marketing information system		3	2
	a lecture	Components of marketing information systems		3	3
	a lecture	Components of marketing information systems		3	4
	a lecture	Exam		3	5
	a lecture	Organizational location of the marketing information system		3	6
	a lecture	Organizational structure of marketing information the system		3	7
	a lecture	Applied fields of marketing information systems		3	8
	a lecture	The role of the marketing information system in making (product) decisions		3	9
	a lecture	Marketing-E		3	10
	a lecture	The role of augmented reality in marketing		3	11

	a lecture	Technical creativity in marketing	3	12
	a lecture	Exam	3	13
	a lecture	commerce (conceptual -E (introduction	3	14
	a lecture	← -Stages of development commerce categories	3	15
Sources				23
Ajamu-marketing information systems , Tayseer Al Introduction to				24


 د. هدى الموترى
 رئيس قسم نظم المعلومات الإدارية
 ٢٠٢٥/٧/٢٨


 د. هدى الموترى



Course Description Form

1. Course Name:	
Human Resource Information System	
2. Course Code:	
AEM025_F204	
3. Semester / Year:	
2024-2025	
4. Description Preparation Date:	
10/9/2025	
5. Available Attendance Form:	
In the Classroom	
6. Number of Credit Hours (Total) / Number of Units (Total)	
45 hours \ 3 Units	
7. Course administrator's name (mention all, if more than one name)	
Name: Abdullah Abdulhaq Khmees Email: abdullah_abdulhak@uomosul.edu.iq	
8. Course Objectives	
Course Objectives	knowing the Human Resources Information Systems (HRIS) concept and its importance for organizations. Knowing the various types of (HRIS) including manual paper and computerized systems. Knowing the operational and design requirements of (HRIS), and its subsystems. designing simple systems for human resources.
9. Teaching and Learning Strategies	
Strategy	• lecture • Discussion • Brainstorming • Collaborative work
10. Course Structure	



Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3	Knowing of the concept and objectives of HRIS	The concept and objectives of the human resources information system	Lecture & discussion	Q&A and discussion
2	3	Knowing the method of manual HRIS work and its disadvantages	Manual human resources information system	Lecture & discussion	Q&A and discussion
3	3	Knowing of computerized HRIS and its advantages	Computerized human resources information system	Lecture & discussion	Q&A and discussion
4	3	Knowing the requirements for operating a computerized HRIS	Requirements for operating the human resources information system	Lecture & discussion	Q&A and discussion
5	3	Distinguish sources and types of inputs in HRIS	Sources and types of human resources information system inputs	Lecture & discussion	Q&A and discussion
6	3	Knowing of the concept of human resources planning information system	Human resources planning information system	Lecture & discussion	Q&A and discussion
7	3	Knowing of the concept of human resources recruitment information system	Human resources recruitment information system	Lecture & discussion	Q&A and discussion
8	3	Knowing the concept of human resources training information system	Human resources training information system	Lecture & discussion	Q&A and discussion
9	3	Knowing of the concept of the human resources performance evaluation information system	Human resources performance evaluation information system	Lecture & discussion	Q&A and discussion



10	3	Knowing the concept of HR compensation information system	Human Resources Compensation Information System	Lecture & discussion	Q&A and discussion
11	3	Knowing the stages of transformation from a paper-based system to a computerized one	Stages of designing human resources information systems	Lecture & discussion	Q&A and discussion
12	3	designing some simple systems for the human resource in lab.	Design some simple systems for human resources	Lecture and lab hours	Applied exercises
13	3	skill of designing some simple systems for the human resource in lab.	Design some simple systems for human resources	Lecture and lab hours	Applied exercises
14	3	Knowing the Human Resource Information Systems in the Era of Artificial Intelligence	Human Resource Information Systems in the Era of Artificial Intelligence	Lecture & discussion	Q&A and discussion
15	3	Measuring the student's level knowledge of what he studied	Exam	Exam	Exam

11.Course Evaluation

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

12.Learning and Teaching Resources

Required textbooks (curricular books, if any)	طه، طارق جابر، 2014، نظم معلومات الموارد البشرية، ط 1، دار الفكر للنشر والتوزيع، القاهرة.
Main references (sources)	الزهراني والقريني، عبدالله عطية، نواف نسيم، 2014، مقدمة في نظم معلومات الموارد البشرية، تطبيقات على الحاسب الآلي، دار جامعة الملك سعود للنشر.
Recommended books and references (scientific journals, reports...)	مجلة تنمية الموارد البشرية للأبحاث والأبحاث https://doi.org/10.1016/j.sbspro.2014.03.001
Electronic References /Websites	المجلس الوطني للإدارة السعودية للشؤون http://www.sag.gov.sa

Course Description Form

1. Course Name:	
C++ programming	
2. Course Code:	
AEM25_F206	
3. Semester / Year:	
Second 2024-2025	
4. Description Preparation Date:	
1-9-2024	
5. Available Attendance Forms:	
Preence in the class	
6. Number of Credit Hours (Total) / Number of Units (Total)	
4 hrs aweek\ 3 units	
7. Course administrator's name (mention all, if more than one name)	
Name: Hani Ramadhan Alkhaled Email: hani_alnaimi@uomosul.edu.iq	
8. Course Objectives	
Course Objectives  جامعة الموصل كلية الادارة والاقتصاد قسم نظم المعلومات الادارية	- Providing the student with programming skills and the basics of the C++ language. - The student acquires the ability to solve scientific problems in a logical sequential manner by understanding the steps in the programming language. - Preparing the student to work in an administrative environment that has some office software tools that have become necessary these days.
9. Teaching and Learning Strategies	
Strategy	1- Lecture 2- Homework

3- Practical in lab

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	4		C++ Programming	Lecture and discussion	Ask questions and discuss
2	4		Rotational sentences 1 For	Lecture and discussion	Ask questions and discuss
3	4		Rotational sentences 2 For	Lecture and discussion	Ask questions and discuss
4	4		do-while clauses	Lecture and discussion	Quiz
5	4		while loop	Lecture and discussion	Ask questions and discuss
6	4		Monolithic Matrices 1	Lecture and discussion	Ask questions and discuss
7	4		Monolithic Matrices 2	Lecture and discussion	Ask questions and discuss
8	4		Binary Matrices 1	Lecture and discussion	Ask questions and discuss
9	4		Binary Matrices 2	Lecture and discussion	midterm exam
10	4		Functions 1	Lecture and discussion	Ask questions and discuss
11	4		Functions 2	Lecture and discussion	Ask questions and discuss



12	4		Text strings	Lecture and discussion	quiz
13	4		Structures	Lecture and discussion	Ask questions and discuss
14	4		Structures	Lecture and discussion	Ask questions and discuss
15	4		Software applications	Lecture and discussion	midterm exam

11. Course Evaluation

Quiz: 5

Homework: 5

Midterm exams: 30

Final exams: 60

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	C++ Programming with Practical and Engineering Applications. Prof. Dr Awad Mansour, Dr. Abdel Ajli, and Dr. Mahmoud Abaza. Al-Yazouri Publishing House, Second Edition 1997
Recommended books and references (scientific journals, reports...)	C++ Programming Basics ; Dr Ibrahim Nayeb and Dr. Mohamed Nour Burhan, Wael Publishing House
Electronic References, Websites	


 ا.د. إبراهيم ناييب
 رئيس قسم نظم المعلومات الإدارية
 ٢٠٢٠/١/٢٧


 د. محمد نور بدران
 ٢٠٢٠/١/٢٧



Course Description Form

1. Course Name:					
Management Information Systems – Second Stage					
2. Course Code:					
AEM24_F108					
3. Semester / Year:					
2023-2024					
4. Description Preparation Date:					
2023/5/5					
5. Available Attendance Forms:					
Attendance in the classroom					
6. Number of Credit Hours (Total) / Number of Units (Total):					
30					
7. Course administrator's name (mention all, if more than one name)					
Name: Dr. Faraj Naghamish Faraj Al-Shammari					
Email: farag_farag@uomosul.edu.iq					
8. Course Objectives					
Course Objectives		Providing students with information about the subsystems that make the management information system and identifying the beneficiaries interact with the system.			
9. Teaching and Learning Strategies					
Strategy	• Lecture: This consists of theoretical explanations of the basic concepts of scientific research. • Case studies: This is a set of problems taken from organizations.				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3	1	Information Systems Security and the Risks Facing It	traditional lecture	Participation
2	3	1	Problems Facing		Participation



			Information Systems		
3	3	1	Main Types of Information Systems	traditional lecture	Participation
4	3	2	Information Systems from a Functional Perspective	Discussion with the use of Data Show	Participation
5	3	1	Basic Features and Types of Functional Information Systems	Discussion with the use of Data Show	surprise test
6	3	2	Information Systems by Organizational Level	Traditional lecture with discussion of ideas	Participation
7	3	2	Operational and Administrative Level Systems	Problem analysis with case studies	Participation
8	3	2	Strategic Level Systems	Discuss ideas with case studies	Participation
9	3	2	Types of Information Systems/Database Systems	Discuss ideas with case studies	Participation
10	3	2	Retrieval Systems	Discuss ideas with case studies	midterm exam
11	3	1	Communication Systems	Traditional lecture with case studies	Participation in case studies
12	3	1	Users of Management Information Systems	Traditional lecture with case studies	Participation



13	3	4	Classifications and Types of System Users	Problem analysis with case studies	Participation
14	3	4	Semester Exam	traditional lecture	Participation
15	3	4	The Strategic Role of Management Information Systems	traditional lecture	Participation

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 (particular books, if any)	
Main references (sources)	Al-Tale, Muhammad Abdul Hussein, Advanced Management Information Systems
Recommended books and references (scientific journals, reports...)	Academic journals and Research
Electronic References, Websites	The Internet, Iraqi Academic Scientific journals, YouTube


 د. علي السيد
 أستاذ نظم المعلومات الإدارية


 د. نزار السيد



Course Description Form

University of Mosul
College of administration and economics
Department of Management Information System

1. Course Name:					
Computer Installation					
2. Course Code:					
AEMI24_F211					
3. Semester / Year:					
2023-2024					
4. Description Preparation Date:					
1/4/2024					
5. Available Attendance Forms:					
In the Classroom and computer lab					
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: Assistant Professor Dr. Mohamed Y. Mohamed Al-Sabawi					
Email: mohamed_alsabawi@uomosul.edu.iq					
8. Course Objectives:					
Course Objectives	1- Cognitive objectives: This course provides students with basic knowledge of the internal replaceable computer components, how each part works, and the basic function each component performs. It also provides students with the necessary knowledge of most computer peripherals, such as monitors, projectors, and networking devices, and how to install and operate them. 2- Skill objectives: This course provides students with the skills and abilities necessary to disassemble and reassemble desktop and laptop computers without the need for specialist assistance. This course also provides students with the skills to solve common computer problems, perform routine maintenance, install maintenance applications, and remove and reinstall the operating system.				
9. Teaching and Learning Strategies					
Strategy	- It consists of theoretical explanations of the fundamental concepts of Computer installation. - Case Studies: These are a set of problems taken from organizations.				
10. Course Structure					
Week	Hour	Required Learning	Unit or subject name	Learning	Evaluation method



		Outcomes			
1	4	Knowledge acquisition	Computer Maintenance	Lecture	Discussion
2	4	Learning a skill	Computer Components	Computr lab	Practical application
3	4	Knowledge acquisition	Computer Ports	Lecture	Discussion
4	4	Learning a skill	Input Devices	Computr lab	Practical application
5	4	Knowledge acquisition	Power Supply 1	Lecture	Discussion
6	4	Principles and rules	Power Supply 2	Computr lab	Practical application
7	4	Principles and rules	Disc Drives 1	Lecture	Discussion
8	4	Learn a skill	Disc Drives 2	Computr lab	Practical application
9	4	Knowledge acquisition	Motherboard 1	Lecture	Discussion
10	4	Knowledge acquisition	Motherboard 2	Computr lab	Practical application
11	4	Learning a skill	CPU 1	Computr lab	Assignment
12	4	Learn a skill	CPU 2	Computr lab	Practical application
13	4	Knowledge acquisition	Memory	Lecture	Discussion
14	4	Knowledge acquisition	Operating System 1	Lecture	Discussion
15	3	Learn a skill	Operating System 2	Computr lab	Practical application

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

Al-Dabbagh, Raed Abdul Qader Hamid, 2011, A Brief Introduction to Computer Maintenance and Installation, Ibn Al-Atheer Printing and Publishing House, University of Mosul

المراجع : الدبّاح ، رعد عبد القادر حميد ، ٢٠١١ ، مقدمة موجزة في صيانة وتركيب الحاسوب ، دار ابن الأثير للطباعة والنشر ، الموصل





أدعيا عبد الله
رئيس قسم نظم المعلومات

أ.م.د. محمد يوسف
رئيس قسم نظم المعلومات

Course Description Form

1. Course Name:	
Information and network security	
2. Course Code:	
AEMI25_FJ02	
3. Semester / Year:	
2024-2025	
4. Description Preparation Date:	
27/4/2025	
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: Sayf Al-Ashgar	
Email: sayf.alashgar@uomosul.edu.iq	
8. Course Objectives	
Course Objectives	It aims to provide students with the concepts of information and network security and to demonstrate the importance of security of information centers and the protection of electronic devices in light of technological developments and the accompanying various challenges that must be considered and raised awareness of.
9. Teaching and Learning Strategies	
Strategy	• - Lecture style • - Homeworks • - Class participations Guidance on the ways and means that lead to achieving the goals by reviewing the sources of information, reports, and updates related to the course. Use explanatory slides supported by realistic examples that illustrate the mechanism of applying the correct steps and approval paths to ensure the achievement of the results that are sought to be achieved. Explaining the importance of technology and its effects on societies in a scientific and practical way that contributes to solving economic, social, and challenges, and continuing progress.



10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Clarifying the information	Introduction to information security / information security concepts / elements of information security	Explaining in the lecture	Q&A discussion
2	2	Clarifying information	Security information center supporting information center security / preventing forgery and tampering with application programs	Lecture and discussion	Q&A
3	2	Clarifying information	Complementary environmental devices, electrical energy protection / computer and electronic devices hall	Lecture and discussion	Q&A and quizzes
4	2	Clarifying information	Information security / threats used to steal information / security elements in system software	Lecture and discussion	Q&A and discussion
5	2	Clarifying information	Identification of the beneficiary and proof of identity/methods of using passwords	Lecture and discussion	Q&A and quizzes
6	2	Clarifying information	Procedures to protect information, documents, equipment, documents, documents	Lecture and discussion	Q&A and quizzes

جامعة الموصل
كلية الإدارة والاقتصاد
قسم نظم المعلومات الإدارية

			devices / software security authentication security		
7	2	Clarifying information	Software Rescue/Software Protection Items	Lecture and discussion	Q&A and discussion
8	2	Clarifying information	Security of computers and personal electronic devices and security measures to protect them / What are electronic crimes and computer crimes	Lecture and discussion	Q&A and quizzes
9	2	Clarifying information	Characteristics of cybercrime perpetrators reasons for the spread of cybercrimes	Lecture and discussion	Applied exercises and Exam
10	2	Clarifying information	Examples of electronic crimes and fraudulent methods electronic viruses and computer viruses, their definition	Lecture and discussion	Q&A
11	2	Clarifying information	Means of transmission of infection and prevention measures classification of viruses in terms of harm	Lecture and discussion	Q&A
12	2	Clarifying information	Examples of viruses/network security and risks that threaten networks	Lecture and discussion	Q&A and quizzes
13	2	Clarifying information	Internet security/Firewall	Lecture and discussion	Q&A
14	2	Clarifying information	Components of the Firewall for security and	Lecture and discussion	Q&A and quizzes

			email and its protection		
15	2	Clarifying information	Encryption / what it is and its basic components / encryption systems and their examples	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

Al-Sarhan, Sarhan and Al-Mashhadani, Mahmud, computer and information security

أستاذة المساعد
قسم نظم المعلومات الإدارية
2020/1/28

Prof. Dr. Sarhan



Course Description Form

1. Course Name:	
English Language – 2nd stage	
2. Course Code:	
AEM24_F205	
3. Semester / Year:	
2023-2024	
4. Description Preparation Date:	
15/4/2024	
5. Available Attendance Forms:	
Physical	
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: Aws Yhya Abed Email: aws.yhya@unmosul.edu.iq	
8. Course Objectives	
Course Objectives	- To reinforce student's exposure to the English language. - To create an English-speaking zone. - To enrich the students with a pool of essential vocabulary. - To support the understanding of the English language by using audio recordings and other media types.
9. Teaching and Learning Strategies	
Strategy	- Start with Basics: through starter activities that hook the students and prepare them for the subject. - Taking advantage of the available: Audio recordings, videos, stories and game-based activities. - Encouraging teamwork: by giving strong students the initiative and teaming them with students with lower levels. - Live Examples: simplifying the materials by bringing examples that are related to the recent events and the daily lives of students. - Innovative activities: the use of assignments that help in breaking the barriers to the English language.

- **Continuous Assessment and Feedback:** Regularly assess students' progress through quizzes, assignments, and exams. Provide constructive feedback to help them improve.

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or Subject name	Learning method	Evaluation method
1	2		Introduction to the course.	Explaining in the lecture	Q&A discussion
2	2		Unit One Grammar, Vocabulary, and Reading	Lecture and discussion	Q&A
3	2		Unit one Listening, Speaking, and Writing	Lecture and discussion	Q&A and quizzes
4	2		Unit Two Grammar, Vocabulary, and Reading	Lecture and lab hours	Q&A and discussion
5	2		Unit Two Listening, Speaking, and Writing	Lecture and lab hours	Q&A and quizzes
6	2		Unit Three Grammar, Vocabulary,	Lecture and lab hours	Q&A and quizzes
7	2		Unit Three Reading and Listening.	Lecture and lab hours	Q&A and discussion
8	2		Unit Three Speaking and Writing	Lecture and lab hours	Q&A and quizzes
9	2		Unit Four Grammar, Vocabulary,		Applied exercises and Exam
10	2		Unit Four Reading and Listening.	Lecture and lab hours	Q&A
11	2		Unit Four Speaking and Writing.	Lecture and lab hours	Q&A
12	2		Unit Five Grammar, Vocabulary,	Lecture and lab hours	Q&A and quizzes
13	2		Unit Five Reading and Listening.	Lecture and lab hours	Q&A
14	2		Unit Five Speaking and Writing.	Lecture and lab hours	Q&A and quizzes
15	2		Unit Six Vocabulary, Listening, and writing		Applied exercises and Exam

11. Course Evaluation

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

Third-stage courses

Course Description Form

1. Course Name:	
Administrative Communications	
2. Course Code:	
AEM24_F301	
3. Semester / Year:	
2023-2024	
4. Description Preparation Date:	
15/9/2024	
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. Hamokhalli Email: mohammed.hamokhalli@uomosul.edu.iq	
8. Course Objectives:	
Course Objectives	1. Providing the student with artistic skills in the subject of administrative communications 2. 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	1- Scientific lectures. 2- Exercises. 3- Positive interaction and participation (by involving the student in the lessons). 4- Preparing reports. 5- Quizzes. 6- Draw illustrative diagrams to consolidate the student's understanding of the topic.
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 communication systems	Lecture and discussion	Q&A
3	2		The nature of communication in the organization , the determinants and success factors of effective communication	Lecture and discussion	Q&A and opinion
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 opinion
6	2		Communication networks	Lecture and discussion	Q&A and opinion
7	2		Communication forms	Lecture and discussion	Q&A and discussion
8	2		The transition from verbal to digital communication	Lecture and discussion	Q&A and opinion
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		Modern Technology and Digital Transformation	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 and creative behavior	Lecture and discussion	Q&A and quizzes
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- الشهاب - حسن ، 1991 ، مدخل ادبيا لاصول علم الادارة والطباعة والنشر ، جامعة الموصل الموصل ، العراق .
- 2- العيسى - ملا ، حسن وهاليد سكيبة حسن ، 2010 ، استراتيجيات وتكنولوجيا شبكات الحاسوب ، دار النشر والمطبع ، عماد ، العراق .
- 3- الطائي - فهد عبد حميد ، 2014 ، مدخل الى نظم المعلومات الادارية ، دار للطباعة والمطبع ، عماد ، العراق .



1. Course Name:					
Electronic business					
2. Course Code:					
AEMI24_F303					
3. Semester / Year:					
2024-2025					
4. Description Preparation Date:					
1/9/2024					
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: rasha duraid hanna					
Email: rasha_duriad@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		• 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
1	3		Introduction to electronic	Explaining in the lecture	Q&A discussion

			business1		
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 e-business	Lecture and discussion	Q&A and quizzes
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- randomly tests 20%
- 3- assignments 10%
- 4- class contribution 10%

12. Learning and Teaching Resources



Dave Chaffey, 2010, E-Business & E-Commerce Management: Strategy Implementation
prentice-Hall & practice

1	كتاب مساعدة	الطيطي، خضير مصباح (2008) التجارة الالكترونية والاعمال الالكترونية، دار العائد للنشر والتوزيع
2	كتاب مساعدة	سعد غالب ياسين، 2007 الاعمال الإلكترونية، دار المنافع للنشر
3	كتاب مساعدة	سعد غالب ياسين، 2009 الادارة الالكترونية، دار البارودي العلمية للنشر والتوزيع
4	كتاب مساعدة	محمد نور صالح الهداية وسناء جودت خلف، 2009، تجارة الالكترونية، دار العائد للنشر والتوزيع
5	كتاب مساعدة	نجم عبود نجم، 2008، الادارة والمعرفة الالكترونية، دار البارودي العلمية للنشر والتوزيع
6	كتاب مساعدة	مزهري شعبان العاني، 2010 الاعمال الالكترونية، دار الاعصار العلمي للنشر والتوزيع

أ. د. علي عبد القادر
٢٠١٤/١٢/٢٤



م. ريماء د. م. حنا
م. ريماء د. م. حنا

Course Description Form

Administration and Economics :College
:Department or Branch
Management Information Systems

University: Mosul

Course name and academic level . ¹	
Information Systems Analysis and Design / Third	
Course code . ²	
AEM124_F305	
Semester/Year . ³	
2022-2023	
Date this description was prepared . ⁴	
11/11/2022	
Available forms of attendance . ⁵	
Mandatory attendance for (¹ # weeks)	
Number of study hours (total) / Number of units (total) . ⁶	
hours/ ⁷ units ⁸	
Name of the course supervisor (if more than one name is mentioned) and . ⁹	
academic title	
(Name: Dr. Ahmad Zuhair Tawfiq / Assistant Professor Email	
ahmed_zuhair@uomosul.edu.iq	
Course objectives . ¹⁰	
	- 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 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

	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 development life cycle
--	---

Teaching and learning strategies .⁴

Learning strategies (inference, switching ideas, providing examples	Teaching strategies (lecture, discussion, problem solving, projects, (brainstorming
--	---

Course structure .⁵ -

Evaluation method	Learning method	Name of unit or topic	Required learning outcomes	weeks	week
Daily and monthly exams	Project method	Basic principles of systems theory	Be able to identify and diagnose the problem and recognize functional relationships and related information	1	1
Daily and weekly studies	Discussion method	The relationship between general systems theory and systems analysis and design methodology	Providing students with the ability to analyze systems and track administrative problems using scientific and applied means and methods	1	1
Reports	practical demonstration method	The concept of analysis and design the + relationship between analysis and design	Discover different alternatives, compare them, and	1	1



			then choose the best one		
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 stakeholders in the system	T	I
Daily and monthly exams	Project method	SDLC Methodology (Feasibility Study Phase	Learn about the methods of designing these systems and the importance of management information systems	T	A
Reports	practical demonstration method	Analysis phase	Learn information systems analysis and design techniques	T	I
Daily and weekly duties	Discussion method	Design phase	Providing students with the ability to analyze systems and track administrative problems using scientific and applied means and methods	T	V
Daily and monthly exams	Project method	Application phase + testing phase	Be able to identify and diagnose the problem and identify functional relationships	T	A



			and related information		
Reports	practical demonstration method	Conversion phase	Discover different alternatives, compare them, and then choose the best one	F	1.1
Daily and weekly duties	Discussion method	Operation and evaluation phase	The ability to establish working relationships with stakeholders in the system	F	1.4
Daily and monthly exams	Project method	prototyping methodology Modeling concept	Learn about the methods of designing these systems and the importance of management information systems	F	1.1
Reports	practical demonstration method	Justifications for the emergence of modeling Modeling stages	Learn information systems analysis and design techniques	F	1.1
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 and applied means and methods	F	1.1

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	7	11
Reports	practical demonstration method	outsourcing	Discover different alternatives, compare them, and then choose the best one	7	10

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 , 11

Required textbooks (methodology if any)

Yassin, Saad Ghaleb, 2014,

Information Systems Analysis and Design, Dar Al Manahj for Publishing and Distribution, Amman, Jordan

Main References (Sources)

Husein, Lath Saadallah, 2010,

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



أ.د. أحمد محمد نوري

Name and signature of the course owner



Name and signature of the head of the department or branch

Prof. Dr. Ali Abdul Fattah Alshaker



Course Description Form

University of Mosul
College of administration and economics
Department of Management Information Systems

1. Course Name:					
Decision Support Systems					
2. Course Code:					
AEMI24_E304					
3. Semester / Year:					
2023-2024					
4. Description Preparation Date:					
1/4/2024					
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 Asim Mohammed Ali					
Email: mohamed_asim@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	- 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.				
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	Lecture	Discussion

			definition and importance of administrative decision-making; decisions from the traditional perspective; decisions from the modern perspective		
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 evaluating the decision-making process.	Lecture	Discussion
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 and rules	The expected benefits to be achieved, the efficiency of decision support systems, and their effectiveness.	Lecture	Discussion
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 decision support systems.	Lecture	Discussion
13	3	Knowledge acquisition	Sensitivity analysis, what-if analysis, goal exploration	Computer lab	Assignment



14	3	Knowledge acquisition	Identifying beneficiary needs, methodology	beneficiary lifecycle	Lecture	Discussion
15	3	Knowledge acquisition	Developing applications, development methodology, modeling	end-user rapid	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

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

باسم - سعد الفهد - 2021 - نظم دعم القرار - دار العلوم للطباعة والنشر والتوزيع - صنف: الآلات

أدعنى محمد الجراح
مدرس مساعد - المعلوماتية
٢٠٢١ / ٢٠٢٢



سكا كاري

ا.م.د. سعد عامر محمد علي

Course Description Form

1. Course Name					
Visual programming		Stage: Third			
2. Course Code:					
AEM215-F300					
3. Semester / Year:					
First /2024-2025					
4. Description Preparation Date:					
19/4/2025					
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					
W	H	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
ss	ss				
s	ss				



1	4	Learn about the visual programming language in terms of tools, features, interfaces, and the most important steps for building a VBA project.	Introduction to the VBA visual programming language and its features, introduction to the steps for building a project in the VBA language, identification of the parts of the VBA 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 operators, 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 doing boxes with examples and programs	Understand the concept of Doing boxes (Message Box, Input Box)	Lecture Theoretical Practical	Practical test + task implementation
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 chosen sentence with practical application	Select Case Practical Project on Select Case	Lecture Theoretical + Practical	Practical test + task implementation
7	4	The concept of repetition sentences with practical programs	Repetition Statements For...Next Nested For...Next Statement Repetition and Loop Exercises	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 applications	Learn about mathematical functions Learn about using functions Learn about trig, date, and formatting functions	Lecture Theoretical + Practical	Practical test + task implementation
10	4	Leveraging data analysis and visualization tools	Use VBA to interact with tools like Power BI or Excel to store data and using artificial intelligence techniques.	Lecture Theoretical Practical	Practical test + task implementation
11	4	Learn about matrices and their types with practical programs	Matrices, types of matrices, properties	Lecture Theoretical + Practical	Practical test + task implementation
12	4	Construct the material with practical programs, linking it with repetition and comparison sentences.	Various applications on matrices with multiple programs	Lecture Theoretical + Practical	Practical test + task implementation
	4	Get to know the menu bar	Define Menu Editor, design it, and modify some of its properties, toolbar, and task forms	Lecture Theoretical + Practical	Practical test + task implementation

14	4	Identify files	What are files, separate files, used with files?	Lecture Theoretical Practical	Practical test + task implementation
15	4	File handling, opening, reading, modifying	Open file, read from file, modify a content, add to file, close file	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 (particular books, if any)	Dr. Basil Al-Khatib, 2001, Learning Visual Basic through Examples, Dar Al-Rab Publishing House, Syria, Damascus, First Edition.
Main references (sources)	Visual Basic Programming Book, Dr. Yehya Sabry Al-Halabi, Dr. Muhammad Basim Al-Zoubi, 2006.
Recommended books and references (scientific journals, reports...)	Michael Halverton, 1989, Visual Basic 5.0 Step by Step, Arctis Edition.
Electronic References, Websites	Lectures prepared by the subject teacher based on books and websites.


 الدكتور بسيم الزوبي
 ٢٠٢٠ / ٤ / ٢٨


 ٢٠٢٠ / ٤ / ٢٨



Course Description Form

1- Database (Introduction to Database)

1. Course Name:					
Database					
2. Course Code:					
AEIM24_F-511					
3. Semester / Year:					
2026-2025					
4. Description Preparation Date:					
15/9/2025					
5. Available Attendance Form:					
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@uomsoul.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	Unit or subject	Learning	Evaluation



		Learning Outcomes	name	method	method
1	3	1	Names and history of databases	theoretical	Share
2	3	1	Names 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 principles & structure for building a database management system	theoretical	A surprise test
6	3	2	Database management system's languages & the concept of key fields	theoretical	Share
7	3	2	Types of constraints	theoretical	Share
8	3	2	Types of constraints	theoretical	Share
9	3	2	Database life cycle		Share
10	3	2	Access program: Design	practical	Semester test
11	3	1	Access program: Access	practical	Participate in case studies
12	3	1	Names of creating tables	practical	Share
13	3	4	Names of creating tables	practical	Share
14	3	4	Names of creating queries	practical	Share
15	3	4	Names of creating queries	practical	Share and Exam

11. Course Evaluation

- 1- Final exams 60%
- 2- monthly tests 40%

12. Learning and Teaching Resources

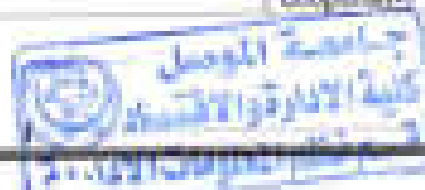
- Database management systems / Dr. Saad Ghaleb
- Databases / Dr. The reformer of the bites



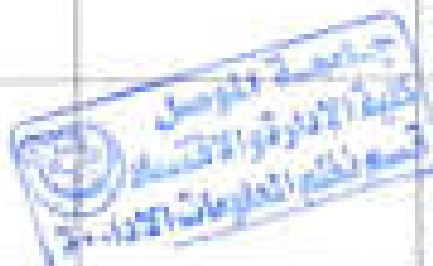


Course Description Form

1. Course Name:					
Operations Research / Third Stage					
2. Course Code:					
AFMI25_F313					
3. Semester / Year:					
The first course/2024-2025					
4. Description Preparation Date:					
29/4/2025					
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@uomustansiriyah.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.				
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.				
10. Course Structure:					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learner's method	Evaluation method
1	3	To enable students to understand and apply mathematical and statistical methods to solve managerial and	Linear simplex method	Practical demonstrations, discussion method, cooperative	1. Attendance and Participation 2. Individual Assessment: Through the



		planning problems in various business and industrial environments.		a learning	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
			Adding new constraints to the model		
			Changing the objective function parameters		
			Definition of sensitive analysis		
			Sensitive analysis of the right side		
			Sensitivity analysis of objective function coefficients to non-essential variables		
			Sensitivity analysis of the objective function coefficients to the basic variables		
			Definition of business network		
			Basic concepts of business		



			networking		
			How to draw a business network		
			Critical path method		
			Practical examples of the critical path method		
			PERT method		
			Practical examples of the PERT method		
			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)	Jarrah, Abdul Diab (1986) "Operations Research" Second Edition
Main references (sources)	- Al-Damkrah, 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	

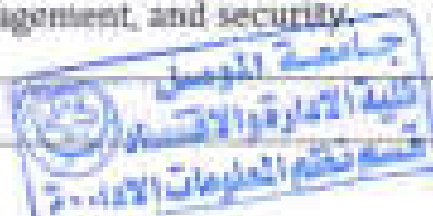
د. علي ع. العبد
رئيس قسم نظم المعلومات الإدارية
٢٠٢٢/١١/٢٠



د. رشا بشير

Course Description Form

1. Course Name:	
Communications and Networks	
2. Course Code:	
AEMI24_F302	
3. Semester / Year:	
1-11-1-20	
4. Description Preparation Date:	
11/4/2025	
5. Available Attendance Forms:	
Attendance in the classroom is mandatory for 15 weeks.	
6. Number of Credit Hours (Total) / Number of Units (Total)	
2 hours / Number of units: 2	
7. Course administrator's name (mention all, if more than one name)	
Name: baraa bassam yahya Email: baraa_bassam@uomso.edu.iq	
8. Course Objectives	
Course Objectives	• Providing the student with cognitive skills the subject of administrative communications and familiarizing him with administrative communications systems in their various models, with a focus on communication through computer networks and its applications.
9. Teaching and Learning Strategies	
Strategy	The teaching and learning strategy for the Communications and Networks course relies on theoretical learning to enhance students' understanding of basic concepts in digital communications systems and computer networks, principle of data transmission and reception, types of networks, communication protocols, network architectures, and interconnection techniques between different systems. It also covers network design strategies, performance standards, network management, and security.
10. Course Structure	



Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Internet Applications in Business	Internet Applications Business	a lecture	Daily Exams, Homework, discussion
2	2	Computer/Network Concepts	Communications and personal computers	a lecture	Daily Exams, Homework, discussion
3	2	The Importance Networking	Reasons for Networks	a lecture	Daily Exams, Homework, discussion
4	2	Network components	Computer network components	a lecture	Daily Exams, Homework, Discussion
5	2	Linking cards	Types of network cards and communication media	a lecture	Daily Exams, Homework, discussion
6	2	The basic model in networks with the types channels used in the connection	Installation electronic communication networks, transmission lines	a lecture	Daily Exams, Homework, discussion
7	2	Learn about layered architecture in network operating systems	The scenario which The Network operates, layered architecture	a lecture	Daily Exams, Homework, discussion
8	2	Learn about the functions of the OSI system	Open System Layer Functions	a lecture	Daily Exams, Homework, discussion
9	2	Basic Functions of Physical Layer	Functions of the Physical Layer	a lecture	Daily Exams, Homework, discussion
10	2	The basic functions of data linking DLL layer	Functions of the Data Link Layer	a lecture	Daily Exams, Homework, discussion

11	2	Basic functions of network applications	Application layer functions	a lecture	Daily Exams, Homework, discussion
12	2	Data Encoding and Packet Types	Packets	a lecture	Daily Exams, Homework, discussion
13	2	Equipment used in network expansion	Computer Network expansion equipment	a lecture	Daily Exams, Homework, discussion
14	2	The concept and method of network function	Hub and Switch	a lecture	Daily Exams, Homework, discussion
15	2	Flow Bridges and Gates Work	Bridges and Gates	a lecture	Daily Exams, Homework, discussion

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 (names, books, if any)	1- Iyad Kenna, Ina Rafqa, 2004, Computer Networks: Theory and Application, translated, 1st ed., Shams for Publishing and Sciences, Syria. 2- Al-Hamami, Alan Hussein, and Hashim, Sakina Hassan, 2010, Fundamentals and Technology of Computer Networks, Ithraa for Publishing and Distribution, Amman, Jordan.
Main references (sources)	- 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
Recommended books and references (scientific journals, reports...)	
Electronic References, Webs	

Baraa Barham Yahya



أدعى على
المقرن
2020/10/10

1. Course Name:	
Electronic business systems	
2. Course Code:	
AEM24_F304	
3. Semester / Year:	
2024-2025	
4. Description Preparation Date:	
1/9/2024	
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: rasha duraid hanna	
Email: rasha_duriad@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	• 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
1	3		Introduction to managing customer relationships electronically 1	Explaining the lecture	Q&A discussion
2	3		Managing customer relationships electronically2	Lecture and discussion	Q&A
3	3		The electronic government	Lecture and discussion	Q&A and quizzes
4	3		Electronic supply chain	Lecture and discussion	Q&A and discussion
5	3		Cooperative trade	Lecture and discussion	Q&A and quizzes
6	3		Collaborative Internet portals	Lecture and discussion	Q&A and quizzes
7	3		Virtual organizations	Lecture and discussion	Q&A and discussion
8	3		Electronic markets	Lecture and discussion	Q&A and quizzes
9	3		Electronic auctions	Lecture and discussion	Applied exercises and Exam
10	3		Electronic management 1	Lecture and discussion	Q&A
11	3		Electronic management 2	Lecture and discussion	Q&A
12	3		Electronic payment	Lecture and discussion	Q&A and quizzes
13	3		Internet Marketing	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-Business & E-Commerce Management: Strategy Implementation, prentice-Hall & practice

1	كتاب مساعد	الطيطي. خضير مصباح (2008) التجارة الالكترونية والاعمال الالكترونية، دار العامد للنشر والتوزيع
2	كتاب مساعد	سعد غالب ياسين، 2011. الاعمال الإلكترونية، دار الشافيع للنشر
3	كتاب مساعد	سعد غالب ياسين، 2009. الإدارة الالكترونية، دار المازوي العلمية للنشر والتوزيع
4	كتاب مساعد	محمد نور صالح الجداية وسناء جودت خلف، 2019، تجارة الالكترونية، دار العامد للنشر والتوزيع
5	كتاب مساعد	نجم عبود نجم، 2008، الإدارة والمعرفة الالكترونية، دار المازوي العلمية للنشر والتوزيع
6	كتاب مساعد	مزهري شعبان العاني، 2016. الاعمال الالكترونية، دار العامد العلمي للنشر والتوزيع

أ. د. عبد الله بن
الشيخ
1441 هـ
2019/10/10



مستند المادة
3. مستند يدرجها

Course Description Form

Administration and Economics College
Department or Branch
Management Information Systems

University: Mosul

Course name and academic level . ¹	
Information Systems Analysis and Design Techniques / Third	
Course code . ²	
AEM124_F303	
Semester/Year . ³	
2024-2025	
Date this description was prepared . ⁴	
2025	
Available forms of attendance . ⁵	
Mandatory attendance for (¹ - ² weeks)	
Number of study hours (total) / Number of units (total) . ⁶	
hours/ ⁷ units ⁸	
Name of the course supervisor (if more than one name is mentioned) and . ⁹	
academic title	
(Name: Asst. Prof. Dr. Ahmed Zuhair Tawfiq / Assistant Professor Email)	
ahmed_zuhair@uomosul.edu.iq	
Course objectives . ¹⁰	
	- Defining the concept of systems as a base for analyzing and designing information systems - Understand how to use a systems approach to address information 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 different categories of 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 development life cycle		
Teaching and learning strategies . ⁴					
Learning strategies (inference, switching ideas, providing examples		Teaching strategies (lecture, discussion, problem solving, projects, (brainstorming			
Course structure . ⁵					
Evaluation method	Learning method	Name of unit or topic	Required learning outcomes	weeks	week
Daily and weekly duties Daily and monthly exams Reports	Discussion method	Application Software Packages	Providing students with the ability to analyze systems and track administrative problems using scientific and applied means and methods	4	1
Daily and weekly duties	Project method	Rapid Application Development	Be able to identify and diagnose the problem and identify functional relationships and related information	4	2
Daily and monthly exams	practical demonstration method	Object-Oriented Development The concept of object-oriented development	Discover different alternatives, compare them, and	4	3

			then choose the best one		
Reports	Discussion method	Systems Analysis and Design Techniques (Tools)	The ability to establish working relationships with stakeholders in the system	7	1
Daily and weekly studies	Project method	Document flowcharts	Learn about the methods of designing these systems and the importance of management information systems	7	2
Daily and monthly exams	practical demonstration method	Data Flow (DFD) Diagrams	Learn information systems analysis and design techniques	7	3
Reports	Discussion method	Entity-Relationship (ER) Diagrams	Providing students with the ability to analyze systems and track administrative problems using scientific and applied means and methods	7	4
Daily and weekly studies	Project method	Data Dictionary DD	Be able to identify and diagnose the problem and identify functional relationships	7	5



			and related information		
Daily and monthly exams	practical demonstration method	Hierarchical diagrams describing inputs, processes, and HPO - outputs	Discover different alternatives, compare them, and then choose the best one	*	1
Reports	Discussion method	Structure maps	The ability to establish working relationships with stakeholders in the system	*	1.1
Daily and weekly duties	Project method	Systems maps	Learn about the methods of designing these systems and the importance of management information systems	*	1.1
Daily and monthly exams	practical demonstration method	linguistic structure	Learn information systems analysis and design techniques	*	1.1
Reports	Discussion method	Decision tables	Providing students with the ability to analyze systems and track administrative problems using scientific and applied means and methods	*	1.1



Daily and weekly duties	Project method	Decision tree	Be able to identify and diagnose the problem and identify functional relationships and related information	7	1.1
Daily and monthly exams	practical demonstration method	Process Description	Discover different alternatives, compare them, and then choose the best one	7	1.2

Course Evaluation and Grade Divisions , 77	
The grade is distributed out of 77+ based on the tasks assigned to the student, such as daily preparation, daily, oral, monthly and written exams, reports, etc	
Learning and teaching resources , 77	
	Required textbooks (methodology if any)
Yassin, Saad Ghaleb, 777A , Information Systems Analysis and Design, Dar Al Manahj for Publishing and Distribution, Amman, Jordan	Main References (Sources)
Hussein, Lath Saadallah, 777+ , 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





Name and signature of the course owner

Name and signature of the head of the
department or branch

Course Description Form

University of Mosul
College of administration and economics
Department of Management Information System

1. Course Name:					
Business Intelligence Systems					
2. Course Code:					
AEMI24 F311					
3. Semester / Year:					
2023-2024					
4. Description Preparation Date:					
15/4/2024					
5. Available Attendance Form:					
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_asem@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 teach 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 concepts of business intelligence. - Case Studies: to learn the students how to use business intelligence in different aspects of organization.				
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	Theoretical explanation with real-world	Discussion



			and systems in business organizations	examples from the job market	
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 & principles	Discussion on practical applications of Business Intelligence for production and operations management	Discussion lecture with real-world examples	Discussion
6	3	Learning fundamentals & principles	Discussion on practical applications of Business Intelligence for marketing management	discussion lecture with real-world examples	Discussion
7	3	Learning fundamentals & principles	Discussion on practical applications of Business Intelligence for Human Resources management	discussion lecture with real-world examples	Discussion



8	3	Learning fundamentals & principles	Discussion on practical applications of Business Intelligence for Financial Management	discussion lecture with real-world examples	Discussion
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 OLAP and its applications in data analysis	Data cube, Online analytical processing system (OLAP)	Lecture with practical examples	Assignment
14	3	Acquiring knowledge	Data mining, Dashboard		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.

Course Description Form

1. Course Name					
Visual programming for businesses Stage: Third					
2. Course Code:					
AEM25-F310					
3. Semester / Year:					
Second/2024-2025					
4. Description Preparation Date:					
19/4/2025					
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	Providing the student with the ability to deal with image tools and other tools through practical application and assignments.	Other tools Image, pdf, function, Optimization, filters, correction, checkers, forms, GUT	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 and programs Functions and subprograms	Lecture Theoretical + Practical	Practical test + task implementation
3	4	Providing the student with the ability to understand how to link Visual Basic with Access databases.	Methods for linking Visual Basic to databases, linking to Access databases using Data Control and the DAO method	Lecture Theoretical + Practical	Practical test + task implementation
4	4	Providing the student with the ability to understand how to link Visual Basic with Access databases.	Connecting Visual Basic 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 the student 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 of the first part of the project, reports and statistics are designed, including: The total results, the number of successful students, the number of students who failed, the number of students who completed one or two subjects, and the top students.	Lecture Theoretical Practical	Practical test + task implementation
7	4	Utilizing programming concepts and linking ideas to enable the student to design a software project	The project includes an integrated system for managing staff and faculty affairs, including personal academic information, with the ability to store all types of digital data and images within a database designed to design 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 statistical. Prepare staff according to qualifications and specializations, and prepare faculty members according to academic files, with correct workflow.	Lecture Theoretical + Practical	Practical test + task implementation

9	4	Utilizing programming concepts and linking ideas to enable the student to design a software project	The mouse is designed to draw using a mouse and displayed in Visual Basic 6 using the Microsoft Visual 6.0 library	Lecture Theoretical + Practical	Practical test + task implementation
10	4	Utilizing programming concepts and linking ideas to enable the student to design a software project	Fixed calculations are done using Visual using the DCL and PayCAL is a free software component that creates spreadsheets and stores 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 is designed using Visual Basic and Visual Basic 6 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 the 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 map display, flood monitoring, and disease-affected areas, with zooming in and out, and a quick map toolbar	Lecture Theoretical + Practical	Practical test + task implementation
14	4	Utilizing programming concepts and linking ideas to enable the student to design a software project	How to process text through text recognition and detection. Displaying text tracks and outputs using Control Using Canvas	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 signaling 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 systems are designed using a number of theories, theories, 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 test, monthly, or written exams, reports, ... etc.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)

Dr. Basil Al-Khateeb, 2001, Learning Visual Basic through Examples, Dar Al-Rida Publishing House, Syria, Damascus, First Edition.

Main references (sources)

Visual Basic Programming Book, Dr. Yahya Sahry Al-Hajjaj, Dr. Muhammad Basil Al-Zuhbi, 2006.

Recommended books and references (scientific journals, reports, ...)

Michael Halvarson, 1996, Visual Basic 6.0 Step by Step, Arabic Edition.

Electronic References, Websites

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

د. محمد عبد الله
مدير القسم



د. محمد عبد الله
مدير القسم

2- Database management systems 2

13.	Course Name:				
Database management systems					
14.	Course Code:				
AEM24_FMS/2					
15.	Semester / Year:				
2023-2026					
16.	Description Preparation Date:				
15/9/2025					
17.	Available Attendance Forms:				
In the Classroom					
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: Ramadan Mahmood Ramn					
Email: ramadan_mahmood@uomosul.edu.iq					
20.	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.			
21.	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 organisations.			
22.	Course Structure				
Week	Hours	Required Learning	Unit or subject name	Learning method	Evaluation method



		Outcomes			
1	3	1	Entity set relationship model 1	Theoretical	Share
2	3	1	Entity set relationship model 2	Theoretical	Share
3	3	1	Entity set relationship model 3	Theoretical	Share
4	3	2	Types of constraints on relationships	Theoretical	Share
5	3	1	Weak entity	Theoretical	A surprise test
6	3	2	Examples of entity set 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 ER schema to database schema 1		Share
10	3	2		practical	Semester test
11	3	1	Convert ER diagram to database schema 1	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 normal form	practical	Share and Exam

23. Course Evaluation

3- Final exams 60%

4- monthly tests 40%

24. Learning and Teaching Resources

- Database management systems / Dr. Saad Ghaleb
- Databases / Dr. The reformer of the bites

أستاذة المساعد
د. سعاد غaleb



د. سعاد غaleb

Course Description Form

1. Course Name:					
Operations Research / Third Stage Applications					
2. Course Code:					
AEMQ5 F314					
3. Semester / Year:					
The second course/2024-2025					
4. Description Preparation Date:					
29/4/2025					
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: 3					
7. Course administrator's name (mention all, if more than one name)					
Name: Rana Bashar Hussein Email: rana_bashar@uomustaqbil.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.				
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.				
10. Course Structure					
Week	Hour	Required Learning Outcomes	Title 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	Definition of transportation model	Practical demonstration, discussion, method	1. Attendance and Participation 2. Individual Assessment Through the quality of discussion, asking



		various business and industrial environments.		a learning	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.
			Methods for finding the initial basic solution		
			Northwest corner method		
			Less expensive way		
			Vogel's method		
			Definition of the assignment		
			Mathematical structure of the problem		
			The first way to solve the assignment problem		
			The second way to solve the assignment problem		
			First semester exam		
			Definition of game theory		
			Basic concepts in game theory		
			How to create a return matrix		
			Probability method		
			Drawing method		

1.1 Course Evaluation

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

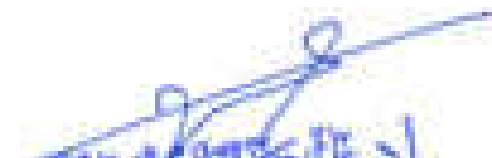
1.2 Learning and Teaching Resources

Required textbooks (corricular books, if any)	Jamra, Abdul Diah (1986) "Operations Research" Second Edition.
Main references (optional)	- Al-Durrah, Rawia Khaleel (2022) "Introduction to Operations Research", Dar Al-Akademien Publishing.



	and Distribution Company, Amman, Hashemite Kingdom of Jordan. • Al-Jawad, Djalil Sadiq & Al-Furai, Haniad Naim (2008) "Operations Research", Arabic Edition, Amman, Jordan.
Recommended books and references (scientific journals, reports, ...)	
Electronic References, Websites	




 أ.م. هادي عبد الله الموسوي
 رئيس قسم نظم المعلومات الإدارية
 ٢٠٢٠/١٧/٢


 م. رنا شاربون

Course Description Form

1. Course Name:	
English language (3)	
2. Course Code:	
AEM24_F315	
3. Semester / Year:	
2023-2024	
4. Description Preparation Date:	
15/4/2024	
5. Available Attendance Form:	
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: Hani Ramadhan Alkhalid Email: hani_alnaimi@uomosul.edu.iq	
8. Course Objectives	
Course Objectives:	1. Developing Communication Skills: The course aims to improve students' ability to communicate effectively in English, both orally and in writing. This includes practicing speaking, listening, reading, and writing skills in various contexts. 2. Expanding Vocabulary: Students will learn new vocabulary relevant to everyday situations and topics of interest. They'll also focus on expanding their range of expressions and idiomatic phrases. 3. Grammar and Syntax: The course aims to reinforce and expand upon the grammatical structures learned at the beginner level and introduce more complex grammar concepts. This includes understanding sentence structures, verb tenses, articles, prepositions, and more. 4. Cultural Awareness: Through language learning, students will also gain insights into the cultures of English-speaking countries. This may involve discussions on cultural norms, traditions, and customs, as well as exposure to authentic materials like videos, articles, and stories. 5. Enhancing Listening Skills: Listening comprehension is a crucial aspect of language learning. The course will provide ample opportunities for students to listen to various accents,

	speechs, and types of spoken English to improve their ability to understand English speakers in real-life situations. 6. Improving Reading Comprehension: Students will read a variety of texts, including articles, short stories, and dialogues, to improve their reading comprehension skills. They'll work on understanding main ideas, details, context, and inference. 7. Writing Practice: Writing exercises will help students express themselves more clearly and coherently in written English. This may include writing emails, letters, summaries, and short essays.
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9. Teaching and Learning Strategies

Strategy	1. Communicative Approach: Emphasize communication in real-life situations. Encourage students to engage in meaningful conversations, role-plays, and discussions. Provide opportunities for pair and group work to practice speaking and listening skills. 2. Grammar in Context: Teach grammar points within meaningful contexts rather than isolated exercises. Use examples from authentic texts or situations to illustrate grammar rules and encourage students to use them in their own speaking and writing. 3. Vocabulary Expansion: Employ techniques such as word maps, semantic webs, and context clues to teach and reinforce vocabulary. Encourage regular vocabulary practice through activities like word games, flashcards, and vocabulary journals. 4. Feedback and Error Correction: Provide timely and constructive feedback on students' language use to help them improve. Encourage self-correction and peer correction to foster learner autonomy. 5. Cultural Integration: Integrate cultural content into lessons to increase students' understanding of English-speaking cultures and enhance their cultural competence.
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10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2		Chapter 1	Lecture	Q&A and discussion
2	2		Chapter 2	Lecture	Q&A and discussion
3	2		Chapter 3	Lecture	Lecture Q&A and discussion
4	2		Chapter 4	Lecture	Q&A and discussion
5	2		Chapter 5	Lecture	Q&A and discussion

6	2		Chapter 6	Lecture	Q&A and discussion
7	2		Monthly test		Written Exam
8	2		Chapter 7	Lecture	Q&A and discussion
9	2		Chapter 8	Lecture	Q&A and discussion
10	2		Chapter 9	Lecture	Q&A and discussion
11	2		Chapter 10	Lecture	Q&A and discussion
12	2		Chapter 11	Lecture	Q&A and discussion
13	2		Chapter 12	Lecture	Q&A and discussion
14	2		Course review	Lecture	Q&A and discussion
15	2		Monthly test		Written Exam

11. Course Evaluation

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

12. Learning and Teaching Resources

Swan, L., & Swan, J. (2019). *Reading Pre-Intermediate* (5th ed.). Oxford University Press.

Fourth-stage courses

Course Description Form

1. Course Name:					
Production management					
2. Course Code:					
EMED / 406					
3. Semester / Year:					
1st semester / 2024-2025					
4. Description Preparation Date:					
1/10/2024					
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. Alymzhuky - Email: bassam_abdalahman@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	- The lecture: consists of theoretical explanations of the basic concepts of scientific research. - 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	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	Theoretical background of demand forecasting	Lecture	Participate
6.	3	Understand	Quantitative methods for forecasting demand	Lecture	Participate
7.	3	Understand	Descriptive methods for forecasting demand	Lecture	Participate
8.	3	Understand	Product design and development	Lecture	Participate
9.	3	Understand	Production capacity planning	Lecture	Participate
10.	3	Understand	Long-term energy stages and decisions	Lecture	Participate
11.	3	Understand	Choosing an industrial project site	Lecture	Participate
12.	3	Understand	The role of Artificial intelligence in industrial project site	Lecture	Participate
13.	3	Understand	Internal arrangement of the factory	Lecture	Participate
14.	3	Understand	Design and measurement of production work	Lecture	Participate
15.	3	Understand	Aggregate production planning	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 (particular books, if any)	مصر عبدالكريم و النجار، صياح محمد {٢٠١٦} - إدارة الإنتاج والتخطيط، جزء ٢، أفكار النشر والتوزيع
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

أدنى عبدالحق العبد
 مدير قسم التعليم العالي
 ٢٠٢٠/٧/٢٢



د. بسام عبد الرحمن يوسف
 مدير قسم المادة

Course Description Form

1. Course Name:	
Strategic Management – Fourth Stage	
2. Course Code:	
AEM34_F401	
3. Semester / Year:	
2025-2024	
4. Description Preparation Date:	
2025/4/28	
5. Available Attendance Forms:	
Attendance in the classroom	
6. Number of Credit Hours (Total) / Number of Units (Total):	
45	
7. Course administrator's name (mention all, if more than one name)	
Name: Dr. Faraj Naghamish Faraj Al-Shammari	
Email: faraj_faraj@uomosul.edu.iq	
8. Course Objectives	
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 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..... • •
9. Teaching and Learning Strategies	



Strategy	• 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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10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3	1	Strategy, Strategic Management, Its Development, and Components	traditional lecture	Participation
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	1	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	Discussion with the use of Data Show	surprise test



			Developing a Clear Mission		
6	3	2	Steps for Preparing an Organization's Mission, the Factors Influencing It, Criteria for its Preparation, and Its Relationship to the Organization's Philosophy	Traditional lecture with discussion of ideas	Participation
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 Classification 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	Traditional lecture	Participation in case studies

			and the importance of analyzing it	with 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

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)	
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

أدعنى عبد الله محمد
 رئيس قسم نظم المعلومات الإدارية
 ٢٠٢٤/٧/٢٩

جامعة الموصل
 كلية الإدارة والاقتصاد
 قسم نظم المعلومات الإدارية

م. رافع نبين

Course Description Form

1. Course Name:					
financial management					
2. Course Code:					
AEM25_F405					
3. Semester / Year:					
the first / 2024-2025					
4. Description Preparation Date:					
2025/4/1					
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: Zaid Fawzi Ayoub AlShikh					
Email: zaid_fawzy@unmmosul.edu.iq					
8. Course Objectives					
Course Objectives		The course aims to provide the student with scientific knowledge related to financial management in organizations, through: • Discuss the basic activities in the financial function. • Study the objectives of financial management. • Studying methods for dealing with financial analysis of financial statements. • 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.			
9. Teaching and Learning Strategies					
Strategy	1- Discussion method. 2- Project method. 3- Method of practical presentations. 4- Cooperative learning method.				
10. Course Structure					
Week	Hours	Required Learning	Unit or subject name	Learning method	Evaluation method



		Outcomes	Learning Activities	Assessment	
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	Final Exam
4	3	Understanding investment decisions	Investment decisions	Discussion	Daily Preparation
5	3	Understanding working capital decisions	Working capital decisions	Discussion	Daily Preparation
6	3	Understanding 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	Seminar Presentation	Daily Preparation
8	3	Understanding the basis of financial statements	Basis 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	Analysis of basic financial indicators	Cooperative Learning	Daily Preparation

1. Course Name:					
Knowledge management					
2. Course Code:					
AEM124_1407					
3. Semester / Year:					
2024-2025					
4. Description Preparation Date:					
15/9/2024					
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: rasha duraid hanna					
Email: rasha_duraid@uomosul.edu.iq					
8. Course Objectives					
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.			
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 • 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	topic	method	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 management processes: storage and retrieval		Q&A and 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		Q&A

			success models Model 3 and 4		
12	2		Factors affecting knowledge management		Q&A and quizzes
13	2		Knowledge management strategy: formulation, implementation and control		Q&A
14	2		The future of knowledge management		Q&A and quizzes
15	2		Exam discussions		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

المصادر

الناصر، عامر عبد الرزاق عبد المحسن (2015)، إدارة المعرفة في إطار نظم ذكاء الأعمال " الطبعة الأولى،
الهادي للشر والتوزيع، عمان - الأردن

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

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

North,K.and G. Ramia (2018)

"Knowledge Management : value Creation

Through Organizational Learning " 2nd

ED, Springer international publishing ,Switzerland

د. علي محمد الشاذلي
مدير قسم نظم المعلومات الإدارية
٢٠٢٤/٤/٢٧



م. د. ريماء د. ريماء
م. د. ريماء د. ريماء

Course Description Form

1. Course Name:						
Artificial Intelligent / First course/Fourth grade						
2. Course Code:						
AIMI25_1409						
3. Semester / Year:						
2024-2025						
4. Description Preparation Date:						
28/4/2025						
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				• 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		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, Midterms, and Final).				
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 Artificial Intelligence	Theoretical practical	Questions and Answers	
3	3	Scientific skills	Characteristics Artificial Intelligence	Theoretical practical	Questions and Answers	



4	3	knowledge understanding	Simon Newell's Architecture	Theoretical practical	Questions and Answer
5	1	knowledge understanding	Human Problem Solving	Theoretical practical	Questions and Answer
6	3	knowledge understanding	Procedures 1	Theoretical practical	Questions and Answer
7	1	knowledge understanding	Procedures 2	Theoretical practical	Questions and Answer
8	3	mental skills	Knowledge and Methods	Theoretical practical	Exams
9	1	mental skills	Daily Exam	Theoretical practical	Homework
10	3	mental skills	Intelligent Methods 1	Theoretical practical	Homework
11	1	mental skills	Intelligent Methods 2	Theoretical practical	Exams
12	3	mental skills	Intelligent Methods 3	Theoretical practical	Homework
13	1	mental skills	Artificial Reason	Theoretical practical	Questions and Answer
14	3	mental skills	Featuring Human	Theoretical practical	Questions and Answer
15	1		Summer Exam		Questions and Answer

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-Kaenani
Main references (sources)	Artificial Intelligence: Concepts Technologies by Dr. Alaa Abdelfatah Hussein, 2024
Recommended books and references (scientific journals, reports...)	- International Journal of Artificial Intelligence in Education and Training - Journal of Artificial Intelligence Information Security
Electronic References, Websites	https://www.cba-technology1.com/2024/01/artificial-intelligence-books-pdf.html

اسم وتوقيع صاحب المقرر

د. د. نوري نوري جبار الله



اسم وتوقيع رئيس القسم أو الموجه

د. د. نوري جبار الله

2024/1/28

أدع على هذا التاريخ
رئيس قسم الحاسوب الإلكتروني

Course Description Form

1. Course Name:	
Statistical applications on the computer	
2. Course Code:	
AENR25 411	
3. Semester / Year:	
2024-2025 / FIRST	
4. Description Preparation Date:	
15/4/2024	
5. Available Attendance Form:	
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: aswan Mohamed taeb Email: aswan_mohamed@uomosul.edu.iq	
8. Course Objectives	
Course Objectives	- Familiarize yourself with the concept of advanced statistical methods as the foundation of all studies. - Understand how to leverage statistical methods to address management information systems problems. - Understand the role and characteristics of statistical methods. - Equip students with the knowledge necessary to study methods and user usage, and identify the behaviors of requesting and using information among different user groups. - Increase students' ability to think and analyze statistics.
9. Teaching and Learning Strategies	
Strategy	- The student acquires the ability to perform statistical analysis and track administrative problems using scientific and applied methods and techniques. - Discover various alternatives, compare them, and then choose a statistical method. - Learn about statistical techniques.
10. Course Structure	

4- class contribution 10%

12. Learning and Teaching Resources

A systematic book

Al-Hamdan, Munaffag and others, "Scientific Research Methods: Basics of Scientific Research"

Al-Warrag 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

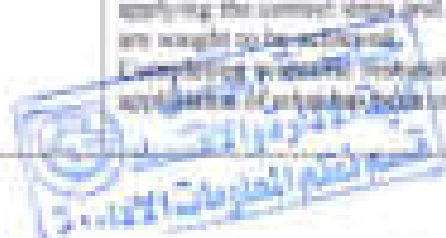
أدعنى عبد الله
أبوسليم نظام المعلومات
٢٠٢٠/٤/٢٥

٢٠٢٠/٤/٢٥



Course Description Form

1. Course Name:	
Scientific research methods	
2. Course Code:	
AEM25_F412	
3. Semester / Year:	
2024-2025	
4. Description Preparation Date:	
27/4/2025	
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: Sayf Al-Ashqar Email: sayfalashqar@uomosul.edu.iq	
8. Course Objectives	
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.
9. Teaching and Learning Strategies	
Strategy	• -Lecture style • -Homeworks • -Class participations Guidance on ways and means that lead to achieving goals through approved approaches in scientific research. 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. Establishing a sound framework is a scientific and practical manner that contributes to the application of what has been concluded through the concepts of scientific research methods.

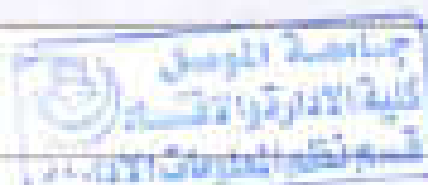


10. Course Structure

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	Data collection	Lecture and discussion	Q&A and discussion
8	2	Clarifying information	Scientific research methods	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

11. Course Evaluation

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



Course Description Form

1. Course Name:					
Production management2					
2. Course Code:					
EMI23_F406					
3. Semester / Year:					
2nd semester / 2024-2025					
4. Description Preparation Date:					
15/2/2025					
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: Bassem A. Alyouzbaky					
Email: bassem_abdelrahman@cuomond.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	- The lecture: consists of theoretical explanations of the basic concepts of scientific research. - 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	Inventory Management	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 control	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 role	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 course 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 (particular books, if any)	محسن عبدالكريم و النجار، صياح صعيد، (2019)، إدارة الإنتاج والعاملات، ص 2، المذاكرة للنشر والتوزيع
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	



أدعيتي عبد الله
رئيس قسم المعلومات الصناعية

٢٠٢٤ / ٤ / ٢٠٢٤

د. بسام محمد حسن يوسف
مدرس المادة

Course Description Form

1. Course Name:	
Strategic Information Systems – Fourth Stage	
2. Course Code:	
IS4034_Farag	
3. Semester / Year:	
2025-2024	
4. Description Preparation Date:	
2025/4/28	
5. Available Attendance Forms:	
Attendance in the classroom	
6. Number of Credit Hours (Total) / Number of Units (Total)	
45	
7. Course administrator's name (mention all, if more than one name)	
Name: Dr. Faraj Naghamish Faraj Al-Shammari Email: farag_farag@uomosul.edu.iq	
8. Course Objectives	
Course Objectives	Introducing students to the sequence of development of information systems with the development of organizations and their need for information, as well as the complexity of information systems that provide this information to various administrative levels within organizations. It also highlights how organizational levels and functions are linked through information systems and the type of information used at each level, depending on the nature of the functions and their information needs. Strategic information is used in special cases, particularly by strategic management and strategic planning
9. Teaching and Learning Strategies	
Strategy	- Delivering traditional lectures - Using case studies to cover specific vocabulary - Discussing with students and listening to their ideas - Analyzing problems and finding ideal solutions
10. Course Structure	



Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3	1	Introduction to Strategic Information Systems (SIS), its concept and model	traditional lecture	Participation
2	3	1	Model, objectives, and importance of strategic information systems	traditional lecture	Participation
3	2	1	The difference between SIS and MIS, the difference between SIS and DSS	traditional lecture	Participation
4	3	2	Strategic databases: the concept, characteristics, and use of strategic information	Discussion with the use of Data Show	Participation
5	2	1	Planning and developing strategic information systems	Discussion with the use of Data Show	surprise test
6	3	2	Business intelligence systems: concept, importance	Traditional lecture with discussion of ideas	Participation
7	3	2	Characteristics and types of business intelligence systems	Problem analysis	Participation

			Intelligence systems	with case studies	
8	3	2	Introduction to the concept of data warehouses (DW)	Discuss ideas with case studies	Participation
9	3	2	Overview of the characteristics and objectives of using data warehouses	Discuss ideas with case studies	Participation
10	3	2	ETL data acquisition techniques in data warehouses Data analysis techniques in data warehouses, OLAP (On-Line Analytical Processing)	Discuss ideas with case studies	midterm exam
11	3	1	Data analysis techniques in data warehouses, OLAP (On-Line Analytical Processing)	Traditional lecture with case studies	Participation in case studies
12	3	1	Data mining (DM), Structured Query Language (SQL) Daily exam	Traditional lecture with case studies	Participation
13	3	4	Artificial intelligence concept, characteristics	Problem analysis with case studies	Participation

14	3	4	Types of artificial intelligence, intelligent agents	traditional lecture	Participation
15	3	4	Types of intelligent agents	traditional lecture	Participation

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 (particular books, if any)	
Main references (sources)	Al-Tale, Muhammad Abd al-Husayn and al-Khafaji, Nimah Abbas Khudair, 2009, Strategic Information Systems, Dar al-Thaqafa for Distribution and Publishing.
Recommended books and references (scientific journals, reports...)	Academic journals and Research
Electronic References, Websites	The Internet, Iraqi Academic Scientific Journals, YouTube


 أ.م.د. علي السيد
 رئيس قسم نظم المعلومات الإدارية
 ٢٠٢٠/٧/٢٨


 د. فاضل نقيب



Course Description Form

1. Course Name:					
Financial and banking information systems					
2. Course Code:					
AEM25_F406					
3. Semester / Year:					
the second/ 2024-2025					
4. Description Preparation Date:					
2025/4/1					
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: Zaid Fawzi Ayoub AlShikh					
Email: zaid_fawzy@uomosul.edu.iq					
8. Course Objectives					
Course Objectives		The course aims to provide the student with scientific knowledge related to financial and banking information systems, through: - Study of the financial information system model. - Study of banking information system resources. - Study of the quality of the banking information system. - Knowing the types of information systems used in banks.			
9. Teaching and Learning Strategies					
Strategy	1. Heuristic method. 2. Project method. 3. Method of practical presentations. 4. Cooperative learning method.				
10. 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 teaching information systems	Introductions to the study of information systems	Discussion	Daily Preparation
3	3	Master knowledge of the concept of financial information systems and its components	Financial information systems	Discussion	Oral Exam
4	3	Analysis of a financial information system and knowledge of the subtypes of its inputs and outputs	Accounting information system, internal audit information system, financial intelligence information system	Discussion	Daily Preparation
5	3	Analysis of a financial information system and knowledge of the subtypes of its inputs and outputs	Forecasting information system, strategy 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 systems evolution	Self Presentation	Daily Preparation
8	3	Knowledge and skills related to improving the quality of information provided by these systems	Quality of banking information systems	Lecture	Monthly Exam
9	3	Ability to work with all information systems used in banks	Classification of banking information systems	operative Learning	Daily Preparation

10	3	Ability to work with all information systems and its links	Banking operating systems	operative Learning	Daily Exam
11	3	Ability to work with all information systems and its links	Administrative information system	operative Learning	Daily Preparation
12	3	Ability to work with all information systems and its links	Decision support systems	operative Learning	Daily Preparation
13	3	Ability to work with all information systems and its links	Analytical modeling of decision support systems	written Preparation	Daily Preparation
14	3	Ability to work with all information systems and its links	artificial intelligence	Lecture	Monthly Exam
15	3	Ability to work with all information systems and its links	Expert banking systems	Project	Report

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 (particular books, if any)	
Main references (sources)	خالد طه، (2000)، "بنوك البنوك ونظم المعلومات المصرفية"، دار نشر القاهرة. رايموند مكنوت، (2000)، "نظم المعلومات الإدارية"، ترجمة: سمير علي إبراهيم، دار الشروق للنشر، الرياض. شمر القوسى ومستر ولفند، (2010)، "مكتبة المعلومات المالية والمصرفية"، الطبعة العربية الخاصة للتسويق والتوريدات، القاهرة.
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

أدلى علي عيسى
 مدير جامعة القاهرة
 ٢٥٥١٧٢٩

جامعة الموصل
 كلية الامارات والاعتماد
 قسم الدراسات والبحوث الاقتصادية

د. زهير محمد ابراهيم

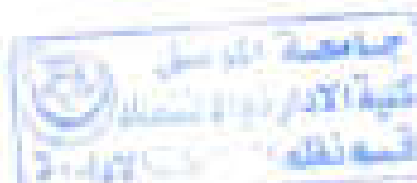
1. Course Name:					
Knowledge management systems					
2. Course Code:					
AEM24_F408					
3. Semester / Year:					
2024-2025					
4. Description Preparation Date:					
1/9/2024					
5. Available Attendance Forms:					
In the Classroom					
6. Number of Credit Hours (Total) / Number of Units (Total):					
60 hours					
7. Course administrator's name (mention all, if more than one name)					
Name: rasha duraid banna					
Email: rasha_duriad@uomosul.edu.iq					
8. Course Objectives					
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.			
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 • 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	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		Learning based 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
11. Course Evaluation				
1- Final exams 40% 2- monthly tests 20% 3- assignments 10% 4- class contribution 10%				
12. Learning and Teaching Resources				
أريحا بيسرا وفريالديز راجيف سايروال (2015) " إدارة المعرفة : النظم والعمليات " ترجمة محمد شحاته وهي / معهد الإدارة العامة ، المملكة العربية السعودية - الرياض الناصر - عامر عبد الرزاق عبد المحسن (2015)، إدارة المعرفة في إطار نظم دكاء الأعمال " الطبعة الأولى ، دار المازوي للنشر والتوزيع - عمان - الأردن				
North,K and G. Kuma (2018) Knowledge Management : value Creation Through Organizational Learning " 2 nd ED, Springer international publishing ,switzerland				


أ.د. هدى السيد
رئيس قسم نظم المعلومات الإدارية
٢٠٢٤/٧/٢٧


جامعة الباقول
كلية الإدارة والتجارة
قسم نظم المعلومات الإدارية


أ.د. هدى السيد
رئيس قسم نظم المعلومات الإدارية

Course Description Form

1. Course Name: <u>Artificial Intelligence</u>					
Artificial Intelligence / Second course / Fourth grade					
2. Course Code:					
AEMI25_F409					
3. Semester / Year:					
2024-2025					
4. Description Preparation Date:					
28/4/2025					
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@unimosul.edu.iq					
8. Course Objectives					
Course Objectives			• 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		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).			
10. Course Structure					
Week	Hours	Required Learning Objectives	Unit or subject name	Learning method	Evaluation method
1	3	Scientific skills	Machine Learning Definition	Theory, practical	Questions and Answers
2	3	Scientific skills	Machine Learning Basics	Theory, practical	Questions and Answers
3	3	Scientific skills	Features of Artificial Intelligence	Theory, practical	Questions and Answers



4	3	knowledge understanding	Simon Russell's Architecture	Theoretical practical	Questions and Answer
5	1	knowledge understanding	Hassan Sabih	Theoretical practical	Questions and Answer
6	3	knowledge understanding	Flowerman 1	Theoretical practical	Questions and Answer
7	3	knowledge understanding	Flowerman 2	Theoretical practical	Questions and Answer
8	1	mental skills	Knowledge and Methods	Theoretical practical	Exams
9	1	mental skills	Daily Exam	Theoretical practical	Homework
10	3	mental skills	Machine Learning	Theoretical practical	Homework
11	1	mental skills	Expert System	Theoretical practical	Exams
12	3	mental skills	Neural Networks	Theoretical practical	Homework
13	1	mental skills	Practical	Theoretical practical	Questions and Answer
14	3	mental skills	Machine Learning Techniques	Theoretical + practical	Questions and Answer
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 (particular books, if any)	Artificial Intelligence and Education (2020), by Tawfiq Abdullah Al-Kamel
Main references (sources)	Artificial Intelligence: Concepts Technologies by Dr. Alaa Abdelkader Hussein, 2024
Recommended books and references (scientific journals, reports...)	- International Journal of Artificial Intelligence in Education and Training - Journal of Artificial Intelligence Information Security
Electronic References, Websites	https://www.eda-technology.com/2024/01/artificial-intelligence-books-pdf.html



اسم وتوقيع صاحب المقرر

د.م. توفيق عبد الله الكرمل





د.م. علي عبد القادر الحسين

2024/1/1



Course Description Form

1. Course Name:	
English Language – 4 th stage	
2. Course Code:	
AEM25_F205	
3. Semester / Year:	
2024-2025	
4. Description Preparation Date:	
27/4/2025	
5. Available Attendance Forms:	
Physical	
6. Number of Credit Hours (Total) / Number of Units (Total)	
10 hours	
7. Course administrator's name (mention all, if more than one name)	
Name: Sayf Al-Ashqar Email: sayfalashqar@ocomoal.edu.jo	
8. Course Objectives	
Course Objectives	- To reinforce student's use of the English language. - To create an English-speaking zone. - To enrich the students with a pool of essential academic and day-to-day vocabulary. - To support the understanding and use of the English language by using audio recordings, conversations and other media types.
9. Teaching and Learning Strategies	
Strategy	- Start with Basics: through starter activities that hook the students and prepare them for the subject. - Taking advantage of the available: Audio recordings, videos, stories, and game-based activities. - Encouraging teamwork: by giving strong students the initiative and teaming them with students with lower levels. - Live Examples: simplifying the materials by bringing examples that are related to recent events and the daily lives of students. - Innovative activities: the use of assignments that help in breaking the barriers to the English language.



- **Continuous Assessment and Feedback:** Regularly assess students' progress through quizzes, assignments, and exams. Provide constructive feedback to help them improve.

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2		Introduction to the course	Explaining in the lecture	Q&A discussion
2	2		Unit One Grammar, Vocabulary, and Reading	Lecture and discussion	Q&A
3	2		Unit one Listening, Speaking, and Writing	Lecture and discussion	Q&A and quizzes
4	2		Unit Two Grammar, Vocabulary, and Reading	Lecture and lab hours	Q&A and discussion
5	2		Unit Two Listening, Speaking, and Writing	Lecture and lab hours	Q&A and quizzes
6	2		Unit Three Grammar, Vocabulary,	Lecture and lab hours	Q&A and quizzes
7	2		Unit Three Reading and Listening	Lecture and lab hours	Q&A and discussion
8	2		Unit Three Speaking and Writing	Lecture and lab hours	Q&A and quizzes
9	2		Unit Four Grammar, Vocabulary,		Applied exercises and Exam
10	2		Unit Four Reading and Listening	Lecture and lab hours	Q&A
11	2		Unit Four Speaking and Writing	Lecture and lab hours	Q&A
12	2		Unit Five Grammar, Vocabulary,	Lecture and lab hours	Q&A and quizzes
13	2		Unit Five Reading and Listening	Lecture and lab hours	Q&A
14	2		Unit Five Speaking and Writing	Lecture and lab hours	Q&A and quizzes
15	2		Unit Six Vocabulary, Listening, and writing		Applied exercises and Exam

11. Course Evaluation

- 1- Final exams 60%
- 2- monthly tests 20%
- 3- assignments 18%



4- class contribution 10%

12. Learning and Teaching Resources

Lip Soars, John Soars, Paul Hancock - New Roadway 5th Edition Intermediate. Oxford University Press (2018)

Duolingo Mobile App



أدلى على عبد الله بن عبد الله
مدير قسم نظم المعلومات الإدارية
٢٠٢٠/١١/٢٨

