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 programme

2024

Program Description				
Year/Level	Course Code	Course Name	Credit Hours	
			theoretical	practical
First stage	AEMI24_F101	Business Administration (1)	**3**	**-**
	AEMI24_F103	Financial Accounting (1)	**2**	**2**
	AEMI24_F105	Mathematics for business management	**2**	**2**
	AEMI24_F107	Partial economy	**2**	**-**
	AEMI24_F109	Computer skills	**1**	**2**
	AEMI24_F112	English Language (1)	**2**	**-**
	AEMI24_F102	Business Administration (2)	**3**	**-**
	AEMI24_F104	Financial Accounting (2)	**2**	**2**
	AEMI24_F106	Statistics for business management	**2**	**2**
	AEMI24_F108	Macroeconomics	**2**	**-**
	AEMI24_F110	Human rights and democracy	**2**	**-**
	AEMI24_F111	English readings in management information systems	**2**	**-**
	AEMI24_F113	Arabic Language	**2**	**-**
Second Stage	AEMI24_F201	Marketing Management	**3**	**-**
	AEMI24_F203	Human Resource Management	**3**	**-**
	AEMI24_F205	Programming basics	**2**	**2**
	AEMI24_F207	Basics of information systems	**2**	**-**
	AEMI24_F209	Business information technology	**3**	**-**
	AEMI24_F211	Quantitative methods in business	**1**	**2**
	AEMI24_F213	Ba'ath party crimes	**2**	**-**
	AEMI24_F202	Marketing Information Systems	**2**	**1**
	AEMI24_F204	HR Information Systems	**2**	**1**
	AEMI24_F206	C++ Programming	**2**	**2**
	AEMI24_F208	Management information systems	**2**	**-**
	AEMI24_F210	Computer infrastructure	**2**	**2**
	AEMI24_F212	Information and network security	**2**	**-**
	AEMI24_F214	English language (2)	**2**	**-**

Third Stage	AEMI24_F301	Administrative Communications	**2**	**-**
	AEMI24_F303	Electronic business	**3**	**-**
	AEMI24_F305	Information systems analysis and design	**2**	**1**
	AEMI24_F307	Decision support systems	**2**	**1**
	AEMI24_F309	Visual programming	**2**	**2**
	AEMI24_F311	Databases	**2**	**2**
	AEMI24_F313	Operations Research	**1**	**2**
	AEMI24_F302	Communications and Networking	**2**	**-**
	AEMI24_F304	Electronic business systems	**3**	**-**
	AEMI24_F306	Information systems analysis and design techniques	**2**	**1**
	AEMI24_F308	Business intelligence systems	**2**	**1**
	AEMI24_F310	Visual programming for business	**2**	**2**
	AEMI24_F312	Database management systems	**2**	**2**
	AEMI24_F314	Operations research applications	**1**	**2**
	AEMI24_F315	English language (3)	**2**	**-**
Fourth Stage	AEMI24_F401	Production and Operations Management (1)	**3**	**-**
	AEMI24_F403	Strategic management	**3**	**-**
	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**	**-**

1. Course Name:

Business Management 1

2. Course Code:

AEMI24_F101

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: Dr. Mohammed Mustafa Hussein
Email: mohamed_hasan@uomosul.ed.iq

8. Course Objectives

Course Objectives	**The aim of the study material is to learn about the concept of management and the development of administrative thought, as well as the functions of management and the organization and the resources that must be available in the organization.**

9. Teaching and Learning Strategies

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

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3		Introduction to management concepts/management and its functions, manager, business organizations, contemporary management challenges	lecture	Discussions
2	3		Management between past and present/classical, behavioral, quantitative, modern, contemporary and future trends	Lecture	Discussions
3	3		Environment, culture and diversity/the internal and external environment of the organization, organizational culture, diversity in business organizations	lecture	Discussions
4	3		International business environment/globalization, dimensions of the	lecture	Q&A and discussion

			international environment (economic, political, social, legal), international business patterns (entry and investment strategies)		
5	3		Planning and formulating goals/concept, importance, stages and benefits of planning, levels, hierarchy, characteristics and areas of goals	lecture	Discussions
6	3		Planning and goal formulation/types of plans (according to time, level, and use), planning tools and methods (forecasting, scenarios, and benchmarking)	lecture	Discussions
7	4		Decision making/concept, stages and types, the role of information technology in decision making	lecture	Discussions
8	4		Basics of organization/organizational structure, concept, and types, foundations for assembling organizational units	lecture	Discussions
9	4		Organization mechanisms/chain of command, authority, responsibility, accountability, delegation, scope of supervision, centralization and decentralization	lecture	Discussions
10	3		Leadership basics/concept, leader traits, leadership and management, leader and manager, influence and power, leadership and empowerment, leadership styles	lecture	Discussions
11	3		Leadership theories (traditional and behavioral)/traditional theory, great man theory, behavioral traits, Michigan theory, Ohio theory, semi-management theory	lecture	Discussions
12	3		Situational leadership theories/situational theories, interactional theory	lecture	Discussions

13	3		Modern trends in leadership/charismatic, transactional and transformational leadership, virtual, working in the new environment	lecture	Discussions
14	3		Motivation/fundamentals, theories, motivation through job design and rewards	lecture	Discussions
15	3		Team building/concept and benefits, formal and informal, committees and workforces, virtual teams	lecture	Discussions

11.Course Evaluation

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

12.Learning and Teaching Resources

صالح مهدي محسن العامري وطاهر محسن منصور الغالبي، الادارة والاعمال، الطبعة الثانية،(2008)، دار وائل، عمان، الاردن

1. Course Name: Financial Accounting1

2. Course Code:

3. Semester / Year: 2023-2024

4. Description Preparation Date: 28/11/2023

5. Available Attendance Forms: physical presence

6. Number of Credit Hours (Total) / Number of Units (Total):(2) hours/ (2) Units

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

Name: Huda Abdalaziz Mohamad
Email: huda.292@uomosul.edu.iq

8. Course Objectives

Course Objectives	1-Defining the accounting cycle from recording and posting to daily journals and general ledgers. 2- Defining of Revenue, Capital, and Financial Processes

9. Teaching and Learning Strategies

Strategy	1-Teaching students to think scientifically through analysis and deduction. 2-Motivating students by giving them the opportunity to present and discuss their ideas. 3-Lectures and solving examples. 4-Discussion sessions. 5- Monthly exams and daily quizzes.

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2		Introductory lecture.		
2	2		Accounting Cycle		
3	2		Difference Between Accountant and Bookkeeper		
4	2		Objectives of Accounting		
5	2		Relationship of Accounting with Other Sciences		
6	2		Accounting Profession and Fields of Work		
7	2		Entities Related to Accounting Data		
8	2		Role of Accounting Data in Achieving Economic Planning		

9	**2**		**Requirements for Accounting Data**		
10	**2**		**Monthly exam**		
11	**2**		**Important Accounting Records**		
12	**2**		**Trial Balance by Balances**		
13	**2**		**Trial Balance by Totals**		
14	**2**		**Audit**		
15	**2**		**Monthly Exam**		

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

12. Learning and Teaching Resources	
Required textbooks (curricular books, if any	
Main references (sources)	_ Financial Accounting, 2012, Ghaleb Awad Al-Rifai. 2_ _Principles of Accounting, (2006 by Muqdad Al-Jalili.
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

13. Course Name:
Mathematics for business management
14. Course Code:
AEMI24_F105
15. Semester / Year:
2023-2024
16. Description Preparation Date:
21/9/2023
17.Available Attendance Forms:
In the Classroom
18.Number of Credit Hours (Total) / Number of Units (Total)

60 hours

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

Name: nawal Mahmood hamood
Email: nawal_almamary@uomosul.ed.iq

20. Course Objectives

Course Objectives	• **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 presented.**

21. Teaching and Learning Strategies

Strategy	• Defining and writing the basics and concepts of mathematics, how to solve mathematical equations using matrices, and the extent of the student's ability to solve mathematical exercises

22. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	4		Sets of numbers and their types	Traditional lecture	Share
2	4		Groups and their types	Traditional lecture	Share
3	4		Periods and their types	Traditional lecture	Share
4	4		Operations on groups	Traditional lecture	Share
5	4		Inequalities/methods of solving them and their properties	Traditional lecture	Share
6	4		Solve absolute value inequalities	Traditional lecture	Share
7	4		Matrices and their types	Traditional lecture	Share
8	4		Algebraic operations on matrices	Traditional lecture	Share
9	4		Standard/matrix multiplication	Traditional lecture	Share

10	4		Properties of matrix multiplication	Traditional lecture	Share
11	4		Determinants and methods of calculating them	Traditional lecture	Share
12	4		Properties of determinants	Traditional lecture	Share
13	4		Conjugate matrix/Applications for finding the conjugate matrix D for different orders	Traditional lecture	Share
14	4		Inverse matrix	Traditional lecture	Share
15	4		Solve a system of linear equations using matrices/matrix method	Traditional lecture	Share and exam

23. Course Evaluation

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

24. Learning and Teaching Resources

فتحي خليل حمدان ، الرياضيات للعلوم الادارية والمالية، ٢٠٠٩..

ثائر فيصل، سامر محمد ، الرياضيات في العلوم المالية والادارية والاقتصادية ، ٢٠١٠.

عزام صبري ، صالح صادق ، الرياضيات، ٢٠٠٠

1. Course Name
Principles of Microeconomics
2. Course Code
AEMI22_F104
3. Semester / Year:
2023-2024
4. Description Preparation Date:
15 SEP 23
5. Available Attendance Forms:
Classroom Attendance
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. Nada Suhail Sattam Email: nada_suhail@uomosul.edu.iq

8. Course Objectives

Microeconomics is a branch of economics that studies the behavior of individuals and firms in making decisions regarding the allocation of scarce resources and the interactions between these individuals and firms.
This course is considered an introductionto the study of economics and then provide the student with a general and simplified idea about the basic concepts of this science ,so that the student has an idea of the importance of this science and the reasons that led to its study and development , and to identify the economic problem and understand the relationships and basic rules that govern economic activity,with the study of dysfunctional economic systems.

9. Teaching and Learning Strategies

Daily exams
Oral questions and direct assessment
Purpose:
Skills related to the educational and psychological aspect
Encourage development by motivating, praising and complimenting students
Raising the morale of students by setting goals and striving to achieve them

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2		The concept of economics - the relationship of economics to other sciences	. Durra wa Naqasha	Questions and debate
2	2		The economic problem,its nature and patterns of solution	Lecture and Discussion	Questions and debate
3	2		Demand Concept,Law of Demand , Demand Table, Demand Curve,Factors Influencing Demand (Commodity Price,Income ,	Lecture and Discussion	Asking Questions , Discussions, and Duties

			Alternative Commodity Prices		
4	**2**		Demand Concept,Law of Demand , Demand Table, Demand Curve,Factors Influencing Demand (Commodity Price,Income , Alternative Commodity Prices	**Lecture and Discussion**	**mug, tankard, jug, ewer, cone**
5	**2**		Concepts and Applications of Factors Affecting Demand Elasticity	**Lecture and Discussion**	**Questions and debate**
6	**2**		Concepts and Applications of Factors Affecting Demand Elasticity	**Lecture and Discussion**	**Questions and debate**
7	**2**		Factors affecting supply elasticity and supply elasticity (commodity price, factor prices ,number of producers	**Lecture and Discussion**	**Questions and debate**
8	**2**		Market equilibrium, equilibrium price and equilibrium quantity, supply/demand forces and their effects on equilibrium price	**Lecture and Discussion**	**Questions and debate**
9	**2**		Marginal utility theory (concept of marginal and total utility, utility analysis)	**Lecture and Discussion**	**examine**
10	**2**		Law of Diminishing Marginal Utility,Disadvantages of Utility Theory	**Lecture and Discussion**	**Questions and debate**
11	**2**		The Concept of Indifference Curves and Its Characteristics	**Lecture and Discussion**	**Questions and debate**

12	**2**		Equilibrium under the theory of indifference curves	**Lecture and Discussion**	**mug, tankard, jug, ewer, cone**
13	**4**		The concept of the function of production, the elements of production,the law of diminishing returns	**Lecture and Discussion**	**Questions and debate**
14	**2**		Fixed and variable cost,average total and marginal cost in the short and long term	**Lecture and Discussion**	**Questions and debate**
15	**2**		perfect competition (concept ,characteristics ,equilibrium), perfect monopoly (concept ,characteristics ,equilibrium)		**examine**

11. Course Evaluation
7- Final exams 60% 8- monthly tests 20% 9- assignments 10% 10- class contribution 10%
12. Learning and Teaching Resources
1- Principles of Economics / Dr. Karim Mahdi Al-Hasnawi/Legal Library/2007 2- Economics / Paul A.Samuelson Arabic Translator 3- Principles of Economics /Mohammed Saleh Al-Quraishi and Al-Shammari

25. Course Name:
Human Rights and Democracy
26. Course Code:
AEMI19_F10
27. Semester / Year:
2023−2024
28. Description Preparation Date:
15/2/2024
29.Available Attendance Forms:

In the Classroom
30.Number of Credit Hours (Total) / Number of Units (Total)
30hours
31. Course administrator's name (mention all, if more than one name)
Name: sawsan khalid Email: sawsan.khalid@uomosul.edu.iq
32. Course Objectives

Course Objectives	• **Ensuring the consolidation and respect of the principles of human rights and democracy.** • **The necessity of loving the homeland and the people of the country and planting the seeds of peaceful coexistence and living in dignity for all components by spreading the culture of accepting others and respecting their religious, political, cultural and social privacy.** • **The necessity of cooperation with state institutions in order to establish security and peace in the country.**
33. Teaching and Learning Strategies	
Strategy	• **Through weekly lectures and presenting the scientific material in a theoretical manner.** • **2- Relying on realistic examples of human rights and democracy, which reflect the nature of society and the environment that embraces the individual.** • **3- Teaching students to think in a scientific manner, analyze and deduce.** • **4- Brainstorming gave students an opportunity to present and discuss their ideas.** • **5- Intellectual questions and discussions** • **These strategies can help enhance students' learning experience and achieve the specific learning objectives for the Human Rights and Democracy course.**them gracefully. • **Peer Collaboration and Code Review**: Encourage students to collaborate with peers, discuss solutions, and review each other's code. This fosters a collaborative learning environment and helps students learn from each other's mistakes. • **Adapt to Different Learning Styles**: Employ a variety of teaching methods such as lectures, interactive sessions, demonstrations, and hands-on labs to accommodate different learning styles. • **Continuous Assessment and Feedback**: Regularly assess students' progress through quizzes, assignments, and exams. Provide constructive feedback to help them improve.
34. Course Structure	

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2		A general introduction to the concept of human rights and its roots	Lecture and discussion	Q&A discussion
2	2		Human rights and their development in human history	Lecture and discussion	Q&A discussion
3	2		The development of the idea of protecting human rights in the modern era	Lecture and discussion	Q&A discussion
4	2		United Nations mechanisms for protecting human rights	Lecture and discussion	Q&A and discussion
5	2		Non-international organizations and bodies concerned with defending human rights	Lecture and discussion	Q&A discussion
6	2		Human duties and restrictions on the exercise of human rights	Lecture and discussion	Q&A discussion
7	2		The concept and history of democracy	Lecture and discussion	Q&A and discussion
8	2		Characteristics of the democratic system and its components	Lecture and discussion	Q&A discussion
9	2				Exam
10	2		Constitution and democracy	Lecture and discussion	Q&A discussion
11	2		The election	Lecture and discussion	Q&A discussion
12	2				Exam
13	2		Civil society institutions and democracy	Lecture and discussion	Q&A discussion

14	2		The relationship between human rights and democracy	Lecture and discussion	Q&A discussion
15	2		Enriching the (human rights) curriculum with the book The Islamic School and the Problem of Contemporary Man, by Mr. Muhammad Baqir al-Sadr	Lecture and discussion	Q&A discussion

35. Course Evaluation

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

36. Learning and Teaching Resources

Required textbooks (curricular books, if any)	(Human Rights and Democracy), by Ghassan Karim Majzab - Amjad Zein Al-Abidin Tohme Some books (human rights) by the author Hamid Hanoun Khaled (Human Rights, Democracy, and Public Freedoms) by Maher Sabry Kazem (The book The Islamic School and the Problem of Contemporary Man), by Mr. Muhammad Baqir al-Sadr
Recommended books and references (scientific journals, reports…)	Amer Ayyash Abdul Wadib Muhammad Jassim, (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. Sherzad Ahmed, The Historical Development of Human Rights, Journal of the College of Basic Education, Al-Mustansiriya University, Baghdad, Issue 76, 2012.
Electronic References, Websites	Permanent Constitution of Iraq 2005
Required textbooks (curricular books, if any)	(Human Rights and Democracy), by Ghassan Karim Majzab - Amjad Zein Al-Abidin Tohme Some books (human rights) by the author Hamid Hanoun Khaled (Human Rights, Democracy, and Public Freedoms) by Maher Sabry Kazem (The book The Islamic School and the Problem of Contemporary Man), by Mr. Muhammad Baqir al-Sadr
Recommended books and references (scientific journals, reports…)	Amer Ayyash Abdul Wadib Muhammad Jassim, (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. Sherzad Ahmed, The Historical Development of Human Rights, Journal of the College of Basic Education, Al-Mustansiriya University, Baghdad, Issue 76, 2012.

Electronic References, Websites	Permanent Constitution of Iraq 2005

37.Course Name:					
English language 1					
38.Course Code:					
AEMI24_F106					
39.Semester / Year:					
2023-2024					
40.Description Preparation Date:					
1/4/2024					
41.Available Attendance Forms:					
In the Classroom					
42.Number of Credit Hours (Total) / Number of Units (Total)					
30 hours					
43.Course administrator's name (mention all, if more than one name)					
Name: Mohammed Assim Mohammed Ali Email: mohamed_asem@uomosul.edu.iq					
44.Course Objectives					
Course Objectives	develop foundational English language skills, including communication, vocabulary, and cultural understanding, for beginner-level learners				
45.Teaching and Learning Strategies					
Strategy	interactive activities, communicative tasks, and cultural discussions to engage learners and facilitate language acquisition effectively				
46. Course Structure					
Week	**Hours**	**Required Learning Outcomes**	**Unit or subject name**	**Learning method**	**Evaluation method**
1	2		Welcome! - Introducing basic greetings and introductory phrases		
2	2		Your world		
3	2		Personal information		

4	2		Family and friends		
5	2		It’s my life		
6	2		Every Day		
7	2		Places I like		
8	2		Where I live		
9	2		Happy birth day		
10	2		We had a good time		
11	2		We can do it		
12	2		Thank you very much		
13	2		Here and now		
14	2		It’s time to go		
15	2		Examination		

47.Course Evaluation

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

48.Learning and Teaching Resources

John And Liz Soars , 2014,New Headway Plus, Oxford University Press.

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49. Course Name:
Business Management 2
50.Course Code:
AEMI24_F102
51.Semester / Year:
2023-2024
52.Description Preparation Date:
15/4/2024
53.Available Attendance Forms:
In the Classroom
54.Number of Credit Hours (Total) / Number of Units (Total)
45 hours
55.Course administrator's name (mention all, if more than one name)
Name: Dr. Mohammed Mustafa Hussein Email: mohamed_hasan@uomosul.ed.iq

56.Course Objectives

Course Objectives	The aim of the study material is to identify the basic functions of the manager, the role of communication in the organization, and the reality of control and its importance in the organization.

57.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 .

58. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3		Basics of control/concept, importance, purposes, stages	Lecture	Discussions
2	3		Types of oversight and its management/types according to levels, sources, and date of implementation	Lecture	Discussions
3	3		Operational, financial, structural and strategic oversight tools, and the regulatory system	Lecture	Discussions
4	3		Legal forms of organizations/concept,influencing factors, and legal alternatives	Lecture	Discussions
5	3		Basic organization functions/production and operations function	Lecture	Discussions
6	3		Marketing function/concept, importance and benefits	Lecture	Discussions
7	3		Marketing mix/target market and elements	Lecture	Discussions
8	3		The function of human resources management/concept, importance and strategic role	lecture	Discussions
9	3		Recruitment and selection, training and performance evaluation, career path	lecture	Discussions
10	3		The function of financial and accountingmanagement/concept, importance, and financial analysis	lecture	Discussions
11			Financial planning and funding sources	lecture	Discussions
12	3		Strategic management/concept, benefits and components of strategy	lecture	Discussions
13	3		Public relations, research and development/concept, importance	lecture	Discussions

14	3		Information and knowledge resources in the organization	lecture	Discussions
15	3		Research, development and innovation in the organization	lecture	Discussions

59.Course Evaluation

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

60.Learning and Teaching Resources

صالح مهدي محسن العامري وطاهر محسن منصور الغالبي، الادارة والاعمال، الطبعة الثانية،(2008)، دار وائل، عمان، الاردن

1. Course Name: Financial Accounting

2. Course Code:

3. Semester / Year: 2023-2024

4. Description Preparation Date: 29/4/2024

5. Available Attendance Forms: physical presence

6. Number of Credit Hours (Total) / Number of Units (Total):(2) hours/ (2) Units

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

Name: Huda Abdalaziz Mohamad
Email: huda.292@uomosul.edu.iq

8. Course Objectives

Course Objectives	1-Defining the accounting cycle from recording and posting to daily journals and general ledgers. 2-Defining of Revenue, Capital, and Financial Processes.

9. Teaching and Learning Strategies

Strategy	1-Teaching students to think scientifically through analysis and deduction. 2-Motivating students by giving them the opportunity to present and discuss their ideas. 3-Lectures and solving examples. 4-Discussion sessions. 5- Monthly exams and daily quizzes.

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2		Introductory lecture.		
2	2		Financial Operation		
3	2		Loans		
4	2		Daily Exam		
5	2		Increase in Capital		
6	2		Capital Reduction Operations		
7	2		Personal Withdrawals		
8	2		Capital Operations		
9	2		Capital Expenditures		
10	2		Monthly exam.		
11	2		Revenue Expenses		
12	2		Difference Between Capital and Revenue Expenses		

13	**2**		**Accounting Treatments for Replacement**		
14	**2**		**Trading Account and Profit/Loss**		
15	**2**		**Inventory Accounting Control System**		

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 any)	
Main references (sources)	_ Financial Accounting, 2012, Ghaleb Awad Al-Rif 2_ _Principles of Accounting, (2000), by Muqdad A Jalili.
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

61. Course Name:
Statistics for business management
62. Course Code:
AEMI24_F106
63. Semester / Year:
2023-2024
64. Description Preparation Date:
21/4/2024
65.Available Attendance Forms:
In the Classroom
66.Number of Credit Hours (Total) / Number of Units (Total)
60 hours
67. Course administrator's name (mention all, if more than one name)
Name: nawal Mahmood hamood

Email: nawal_almamary@uomosul.ed.iq

68. Course Objectives

Course Objectives	• **Enables students to apply statistical methods and laws in research to obtain results**

69. Teaching and Learning Strategies

Strategy	• Students acquire knowledge and understanding of the use of statistical methods and the ability to apply them in a way that suits their research

70. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	4		Definition of statistics, its divisions, and the statistical method in scientific research	Traditional lecture	Share
2	4		Method of collecting data, samples and their types	Traditional lecture	Share
3	4		Classification and tabulation of data collection methods and common errors	Traditional lecture	Share
4	4		Random variables and frequency distributions	Traditional lecture	Share
5	4		Clustered and proportional frequency distribution	Traditional lecture	Share
6	4		Geometric shapes: inscribed, polygon, and curve	Traditional lecture	Share
7	4		Measures of central tendency in ungrouped data (arithmetic mean, median, mode)	Traditional lecture	Share
8	4		Measures of central tendency in classified data (arithmetic mean, median, mode)	Traditional lecture	Share
9	4		Measures of dispersion in ungrouped data (variance - standard deviation - mean deviation).	Traditional lecture	Share

10	4		Measures of dispersion in classified data (variance - standard deviation - mean deviation)	Traditional lecture	Share
11	4		Coefficient of variation	Traditional lecture	Q&A
12	4		Standard score	Traditional lecture	Share
13	4		Simple correlation (Pearson)	Traditional lecture	Share
14	4		Spearman rank correlation	Traditional lecture	Share
15	4		Linear regression	Traditional lecture	Share and Exam

71. Course Evaluation

23-Final exams 60%
24-monthly tests 40%

72. Learning and Teaching Resources

الاحصاء-صفاء يونس الصفاوي 2008.

المدخل الى الاحصاء-خاشع محمود الراوي.

الاحصاء-محمود المشهداني-امير حنا

13. Course Name
Principles of Macroeconomics
14. Course Code
AEMI22_F104
15. Semester / Year:
2023-2024
16. Description Preparation Date:
15 SEP 23
17. Available Attendance Forms:
Classroom Attendance
18. Number of Credit Hours (Total) / Number of Units (Total)
30
19. Course administrator's name (mention all, if more than one name)
Name: Dr. Nada Suhail Sattam Email: nada_suhail@uomosul.edu.iq
20. Course Objectives

The course aims to provide students with the theoretical foundations of economics and its methodology, and to analyze the nature of economic activity and its various economic fields at the level of macro-analysis, that is, at the level of the national economy,by providing them with the theoretical foundations of macroeconomics .and study the economic problems and the policies necessary to address them .

21. Teaching and Learning Strategies

Daily exams
Oral questions and direct assessment
Purpose:
Skills related to the educational and psychological aspect
Encourage development by motivating, praising and complimenting students
Raising the morale of students by setting goals and striving to achieve them

22. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2		National product and national income (general concepts)	. Durra wa Naqasha	Questions and debate
2	2		Methods of calculating national income, income method, expenditure method	Lecture and Discussion	Questions and debate
3	2		Production Method,Importance of Calculating National Income	Lecture and Discussion	Asking Questions , Discussions, and Duties
4	2		The concept of inflation and its causes ,and ways to address it	Lecture and Discussion	mug, tankard,

					jug, ewer, cone
5	**2**		Economic and social effects of inflation	**Lecture and Discussion**	**Questions and debate**
6	**2**		The concept of unemployment and its types	**Lecture and Discussion**	**Questions and debate**
7	**2**		Barter and its disadvantages	**Lecture and Discussion**	**Questions and debate**
8	**2**		Functions, Types and Characteristics of Money	**Lecture and Discussion**	**Questions and debate**
9	**2**		The concept of the commercial bank and its importance in economic life and the types of banks and their working patterns	**Lecture and Discussion**	**examine**
10	**2**		Monetary policy and its tools	**Lecture and Discussion**	**Questions and debate**
11	**2**		Expansionary and deflationary monetary policy and its objectives	**Lecture and Discussion**	**Questions and debate**
12	**2**		Expansionary and deflationary fiscal policy and its	**Lecture and Discussion**	**mug, tankard,**

			objectives,the relationship between monetary and fiscal policies		**jug, ewer, cone**
13	**4**		The objectives of the Central Bank (price stability, growth ,balance of payments)	**Lecture and Discussion**	**Questions and debate**
14	**2**		The concept of exchange rate and the forms of exchange rate systems	**Lecture and Discussion**	**Questions and debate**
15	**2**		Exchange rate, trade and balance of payments balance		**examine**

23. Course Evaluation
25- Final exams 60% 26- monthly tests 20% 27- assignments 10% 28- class contribution 10%
24. Learning and Teaching Resources
1- Principles of Economics / Dr. Karim Mahdi Al-Hasnawi/Legal Library/2007 2- Economics / Paul A.Samuelson Arabic Translator 3- Principles of Economics /Mohammed Saleh Al-Quraishi and Al-Shammari

73. Course Name:
English readings in management information systems
74. Course Code:
AEMI24_F111
75. Semester / Year:
2023−2024
76. Description Preparation Date:
15/4/2024
77.Available Attendance Forms:

In the Classroom
78.Number of Credit Hours (Total) / Number of Units (Total)
30 hours
79. Course administrator's name (mention all, if more than one name)
Name: Mohammed A. M. Hamokhalil Email: mohammed_hamokhalil@uomosul.ed.iq

80. Course Objectives	
Course Objectives	• **The course "Readings in Management Information Systems E" aims to expand students' understanding of management information systems through:** • **1- Introducing them to the intellectual foundations and characteristics of management information systems.** • **2- Understanding the concepts of data, information, knowledge, wisdom, management information systems, decision support systems, group decision support systems, executive information systems, expert systems.** • **3- The difference between information technology and information systems.** • **4- Enabling them to understand the components and characteristics of management information systems.** • **5- Introducing them to the types of management information systems and what is the difference between them.** • **6- Providing them with the content of developing management information systems.**

81. Teaching and Learning Strategies	
Strategy	• **1- Scientific lectures.** • **2- Duties.** • **3- Positive interaction and participation (by involving the student in the lecture).** • **4- Preparing reports.** • **5- Surprise exams.** • **6- Use the data display device when needed.** • **7- Draw illustrative diagrams to consolidate the student's understanding of the topic**

82. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2		Introduction to the basics of The Concepts of Data, Information and Knowledge, The Three-Level Database Model.	Explaining in the lecture	Q&A discussion
2	2		Types of Information, The Dimensions of Information, Information Flow in Organization	Lecture and discussion	Q&A
3	2		The management, the management functions, Information Systems, the components of IS , Why Use Information Systems? , Technology	Lecture and discussion	Q&A and quizzes
4	2		Typical activities of managers at various organizational levels, Basic Elements of Management Information Systems, Establishing and Operating MIS, MIS and Management Levels	Lecture and discussion	Q&A and discussion
5	2		Operating Information Systems (OISs), Decision Support Systems (DSSs) &	Lecture and discussion	Q&A and quizzes
6	2		Executive Information	Lecture and discussion	Q&A and quizzes

			Systems (EISs), Groupware Decision Support Systems (GDSS),		
7	2		The Evolution Of Management Information Systems	Lecture and discussion	Q&A and discussion
8	2		Components of MIS	Lecture and discussion	Q&A and quizzes
9	2		Components of Management Information System, System types	Lecture and discussion	Q&A
10	2		the differences between types of systems	Lecture and discussion	Q&A
11	2		Establishing an Management Information Systems, Overview of system Development, System Development	Lecture and discussion	Q&A
12	2		Project Manager , Stakeholders , Users , System Analyst , Programmers , Initiating System Development	Lecture and discussion	Q&A and quizzes
13	2		Information system planning , The Steps of information System Planning, Management Information System Design	Lecture and discussion	Q&A
14	2		1. Logical Design 2. Physical Design	Lecture and discussion	Q&A and quizzes
15	2		Exam		Applied exercises and Exam
83. Course Evaluation					

29-Final exams 60%
30-monthly tests 20%
31-assignments 10%
32-class contribution 10%

84. Learning and Teaching Resources
1- Management Information Systems, for the information age ,Stephen Haag, Maeve Cummings,Amy Phillips,2013. 2- Business Driven Information Systems, Baltzan Phillips,2008. 3- Papers

25. Course Name
Arabic/
26. Course Code
C4c66bs
27. academic year
2023−2024
28. Date the description was prepared
28/4/2024
29. Available attendance forms
Attendance in the classroom
30. Number of study hours
2
31. Course objectives
•Identify the concept of verbs and their types. •Identify the nominal and verbal sentences. •Identify the types of predicate sentences. •Identifying missing verbs and letters similar to the verb. •Differentiating between verb forms and tenses. •Training students on how to benefit from the Arabic language positively to achieve goa •Recognize the concept of speech, word and sentence.
32. Learning methods
•Explanation through teaching in detail for each topic specified in the curriculum. •Assigning students to daily duties. •Dialogue and discussion. •Recitation and memorization. •Inductive method

33. Teaching strategies

•The student understands grammatical and morphological rules.
•The student should have knowledge of the most prominent types of verbs and sentences and how to differentiate between them.
•The student must have the ability to link the text to the method of writing reports, especially in a Marketing department
•Monthly and semester exams.
•Daily surprise exams after finishing the lecture.
Oral exams by asking students questions during the lecture.
•Student participation in the classroom is one of the methods for evaluating student performance.
•The student's commitment to attendance and behavior in the classroom.

34. Course structure

Evaluation method	Teaching method	Topic title	Required outputs	hours	the week
Ask questions and discuss	**Lecture and discussion**	Definition of grammar, speech and words		2	**1**
Ask questions and discuss	**Lecture and discussion**	Types of sentences		2	**2**
Ask questions and discuss	**Lecture and discussion**	The present tense		2	**3**
Cone	**Lecture and discussion**	past verb		2	**4**
Ask questions and discuss	**Lecture and discussion**	Do the thing		2	**5**

Ask questions and discuss	**Lecture and discussion**	Name tags		2	**6**
Ask questions and discuss	**Lecture and discussion**	Present tense verb signs		2	**7**
Ask questions and discuss	**Lecture and discussion**	Past tense markers		2	**8**
Semester exam	**Lecture and discussion**	Signs of action		2	**9**
Ask questions and discuss	**Lecture and discussion**	The nominal sentence is the subject and the predicate		2	**10**
Ask questions and discuss	**Lecture and discussion**	Abrogatory verbs		2	**11**
Cone	**Lecture and discussion**	Copy letters		2	**12**
Ask questions and discuss	**Lecture and discussion**	Drawing a hamza		2	**13**
Ask questions and discuss	**Lecture and discussion**	Actual sentence		2	**14**

Semester exam		final exam		2	**15**

35. Sources

- Abu Abdul Rahman, Al-Khalil Ibn Ahmed Al-Farahidi (1995), Sentences in Grammar, World of Books, Beirut.
- Abu Al-Fath, Othman bin Jinni Al-Mawsili, Al-Lama' in Arabic by Ibn Jinni, Dar Al-Kutub Al-Thaqafiyya, Kuwait.

(2)

36. Course Name	
Marketing Management	
37. Course Code	
EMI23_F204	
38. academic year	
2024−2023	
39. Date the description was prepared	
2024/4/1	
40. Available attendance forms	
in the classroom Attendance	
41. Number of study hours	
hours 3	
42. Course objectives the concept of marketing and its importance to the organization Identifying customer, in addition to identifying the marketing mix, and what the and the external marketing environment is internal.	
43. Learning methods	
	• Lecture: consists of theoretical basic concepts explanations of

	• Case studies: A group of problems organizations adapted from

.44

Course structure .45

Evaluation method	Teaching method	Topic title	Required outputs	hours	the week
	a lecture	Introduction to the material		3	1
	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
	a lecture	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 .46
Marketing Management, Abi ،2020 Marketing Management, Thamer Al-Bakri Saeed Al-Diwaji
.47

85. Course Name:
human resource management
86. Course Code:
AEMI24_F203
87. Semester / Year:
2023-2024
88. Description Preparation Date:
1/4/2024
89. Available Attendance Forms:
In the Classroom
90. Number of Credit Hours (Total) / Number of Units (Total)
45 hours
91. 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.

92. Teaching and Learning Strategies

Strategy	• lecture • Discussion • Brainstorming • Collaborative work • Case Study

93. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3	Knowing of the concept of human resources	The concept of human resources management and	Lecture & discussion	Q&A and discussion

		management and the stages of its development	its historical development		
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	Knowing of the activities practiced by management in the organization	Human resources management jobs	Lecture & discussion	Q&A and discussion
5	3	skill of analyzing and describing jobs	Job analysis and description	Lecture & discussion	Q&A and discussion
6	3	skill of job design	Job design	Lecture & discussion	Q&A and discussion
7	3	skill of planning and determining the need for human resources	Human resources planning	Lecture & discussion	Q&A and discussion
8	3	Knowledge of method and alternatives to attract the required human resources	Attracting human resources	Lecture & discussion	Q&A and discussion
9	3	Knowledge of strategies and methods for selecting human resources	Selection of human resources	Lecture & discussion	Q&A and discussion
10	3	Knowledge of the foundations and methods of evaluating employee performance	Human resources performance evaluation	Lecture & discussion	Q&A and discussion
11	3	Knowledge of methods and techniques for training human resources	Human resources training	Lecture & discussion	Q&A and discussion
12	3	Knowing the concept of job evaluation and possessing the evaluation skill	Job evaluation	Lecture & discussion	Q&A and discussion
13	3	Knowing of the concept of salaries, wages, incentives, and methods for determining them	Direct compensation	Lecture & discussion	Q&A and discussion
14	3	Knowing the concept of job benefits and their types	Indirect compensation	Lecture & discussion	Q&A and discussion
15	3	Measuring the student's level knowledge of what he studied during the semester	Exam	Exam	Exam
94. Course Evaluation					

33-Final exams 60% 34-monthly tests 20% 35-quiz & assignments 10% 36-class contribution 10%
95. Learning and Teaching Resources
• عادل حرحوش ومؤيد سعيد، 2009، إدارة الموارد البشرية - مدخل استراتيجي، جدارا للكتاب العالمي للنشر والتوزيع. • علاقي مدني عبد القادر، 2015، ادارة الموارد البشرية، خوارزم العلمية، جدة

96. Course Name:	
Fundamentals of Programming	
97. Course Code:	
AEMI24_F205	
98. Semester / Year:	
2023–2024	
99. Description Preparation Date:	
15/4/2024	
100. Available Attendance Forms:	
In the Classroom	
101. Number of Credit Hours (Total) / Number of Units (Total)	
60 hours	
102. Course administrator's name (mention all, if more than one name)	
Name: Hani Ramadhan Alkhaled Email: hani_alnaimi@uomosul.ed.iq	
103. 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 in which some office software tools are available, which have become necessary these days.**
104. Teaching and Learning Strategies	

Strategy	• **Start with Basics**: Begin with the fundamental concepts like variables, data types, operators, and control structures. Ensure students understand these before moving on. • **Hands-on Coding**: C++ is best learned by doing. Encourage students to write code early and often. Provide plenty of coding exercises and projects to reinforce learning. • **Error Handling**: Cover common runtime errors and exception handling mechanisms to make students aware of potential pitfalls and how to handle them gracefully. • **Peer Collaboration and Code Review**: Encourage students to collaborate with peers, discuss solutions, and review each other's code. This fosters a collaborative learning environment and helps students learn from each other's mistakes. • **Adapt to Different Learning Styles**: Employ a variety of teaching methods such as lectures, interactive sessions, demonstrations, and hands-on labs to accommodate different learning styles. • **Continuous Assessment and Feedback**: Regularly assess students' progress through quizzes, assignments, and exams. Provide constructive feedback to help them improve.

105. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	4		Introduction to the basics of programming	Explaining in the lecture	Q&A discussion
2	4		Fundamentals of programming	Lecture and discussion	Q&A
3	4		Data type	Lecture and discussion	Q&A and quizzes
4	4		Program structure	Lecture and lab hours	Q&A and discussion
5	4		Input and output statements 1	Lecture and lab hours	Q&A and quizzes
6	4		Input and output statements 2	Lecture and lab hours	Q&A and quizzes
7	4		Arithmetic operations 1	Lecture and lab hours	Q&A and discussion
8	4		Arithmetic operations 2	Lecture and lab hours	Q&A and quizzes
9	4		Input and output statements And Arithmetic operations		Applied exercises and Exam

10	4		Control statement 1	Lecture and lab hours	Q&A
11	4		Control statement 2	Lecture and lab hours	Q&A
12	4		Control statement 3	Lecture and lab hours	Q&A and quizzes
13	4		Control statement 4	Lecture and lab hours	Q&A
14	4		Programming applications	Lecture and lab hours	Q&A and quizzes
15	4		Control statement 1,2,3,4		Applied exercises and Exam

106. Course Evaluation

37-Final exams 60%
38-monthly tests 20%
39-assignments 10%
40-class contribution 10%

107. Learning and Teaching Resources

المرجع الأساس في برمجة C++ مع تطبيقات عملية وهندسية. أ.د. عوض منصور و د.عبد العجيلي و د.محمود اباظة. دار اليازوري. الطبعة الثانية، 1997.

اساسيات البرمجة بلغة C++. د. إبراهيم نائب و د.محمد برهان. دار وائل للنشر.

108. Course Name:

1- Basics of management information systems

109. Course Code:

AEMI24_F207

110. Semester / Year:

2023-2024

111. Description Preparation Date:

15/9/2024

112. Available Attendance Forms:

In the Classroom

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

45 hours

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

Name: : huda abdulrahem husien

Email: huda-abdulrahem@uomosul.ed.iq

115. Course Objectives

Course Objectives	Providing the student with the concept of the management information system, its elements, its importance, and its role in supporting the various functions of the organization, and how it can contribute to supporting administrative decisions, achieving competitive advantages, information society resources, and information failure.

116. Teaching and Learning Strategies

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

117. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3	1	Introduction to management information systems	Traditional lecture	Share
2	3	1	The concept of systems and elements of systems	Traditional lecture	Share
3	3	1	Types of systems/introduction and systems theory	Traditional lecture	Share
4	3	2	The basic principles of the general theory of systems/system	Discussion with the use of Data Show	Share

			components and elements		
5	3	1	Data and data and information management/its sources and methods of processing	Discussion with the use of Data Show	A surprise test
6	3	2	Characteristics/types of information/ Value of information	Traditional lecture with discussion of ideas	Share
7	3	2	Confidentiality and security of information	Analysis of the problem with case studies	Share
8	3	2	The development of management information systems and the factors that contributed to the development	Discussing ideas with case studies	Share
9	3	2	The concept of management information systems and approaches to studying them	Discussing ideas with case studies	Share
10	3	2	Common concepts about information systems	Discussing ideas with case studies	Semester test
11	3	1	Characteristics and benefits of information systems	Discussing ideas with case studies	Participate in case studies
12	3	1	Management information systems requirements	Analysis of the problem with case studies	Share
13	3	4	The physical and software resources of the system	Traditional lecture with Data Show	Share

14	3	4	Networking, communications and human resources resources	Traditional lecture	Share
15	3	4	Integration of resources and activities into the information system	Traditional lecture	Share and Exam

118. Course Evaluation

41-Final exams 60%
42-monthly tests 40%

119. Learning and Teaching Resources

1. Salwa Amin Al-Samarrai and Najm Abdullah, 2009, Management Information Systems, a Contemporary Introduction, Amman, Jordan

Journals, research and the Internet

120. Course Name:

Business Information Technology

121. Course Code:

AEMI24_F205

122. Semester / Year:

2023−2024

123. Description Preparation Date:

15/3/2023

124. Available Attendance Forms:

In the Classroom

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

45 hours

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

Name: Mohmed Y. Mohmed Al-Sabaawi
Email: mohamed_alsabawy@uomosul.edu.iq

127. Course Objectives

Course Objectives	**The course aims to introduce the student to: The physical parts of information technology (input, processing, and output), as well as software, and the administrative aspects of information technologies**

	in terms of (strategic importance, governance, design of technical architectures, investment in them, and management of technical change), and what are the effective methods for using information technologies and ways to reduce their negative effects.

128. Teaching and Learning Strategies

Strategy	**1. The lecture** **2. Dialogue and interaction** **3. Research groups** **4. Visual display**

129. Course Structure

Week	Hours	Required Learning Outcomes	Unit or Subject Name	Learning Method	Evaluation Method
1	4		An introductory introduction to information technologies. The importance of information technologies at the organization and individual levels	Discussion with the use of Data Show	Q&A discussion
2	4		The importance of information technologies and the characteristics of information	Discussion with the use of Data Show	Q&A discussion
3	4		The development of information systems and their information characteristics	Discussion with the use of Data Show	Q&A discussion
4	4		Storage and connection technologies and types of computers Communications technologies	Discussion with the use of Data Show	Q&A and discussion
5	4		Operating systems software and applications Communications and networking technologies and their applications in business organizations	Discussion with the use of Data Show	Q&A discussion

6	4		Information technologies and their applications in organizations 1	Discussion with the use of Data Show	Q&A discussion
7	4		Information technologies and their applications in organizations 2	Discussion with the use of Data Show	Q&A and quizzes
8	4		Information technologies and their role in administrative activities 1	Discussion with the use of Data Show	Q&A discussion
9	4		Information technologies and their role in administrative activities 2	Discussion with the use of Data Show	Q&A discussion
10	4		Information technologies and their role in protecting information The negative effects of information technologies on workers and the environment	Discussion with the use of Data Show	Q&A and quizzes
11	4		Ethics in the use of information technologies The strategic role of information technologies in organizations Information technology governance	Discussion with the use of Data Show	Q&A discussion
12	4		Information technology architecture Investment decisions in information technologies Managing technical change from the life cycle approach	Discussion with the use of Data Show	Q&A discussion
13	4		Information technology outsourcing Information technology project management	Discussion with the use of Data Show	Q&A

			Managing information technology maintenance operations		
14	4		Information technologies and their role in shaping the features of the digital economy The technical environment of business organizations and its manifestations Information society and digital society	Discussion with the use of Data Show	Q&A discussion
15	4		Final Exam Semester	Exam	Exam

130. Course Evaluation

43-Final Exams 60%
44-Monthly Tests 20%
45-Assignments 10%
46-Class Contribution 10%

131. Learning and Teaching Resources

اليوزبكي ، بسام عبدالرحمن يوسف ، 2022، تقنيات المعلومات واستخداماتها في المنظمات المعاصرة، دار اكاديميون للنشر والتوزيع عمان المملكة الاردنية الهاشمية.

132.	Course Name: : Quantitative Methods for Businesses
133.	Course Code:
AEMI24_F211	
134.	Semester / Year:
2023-2024	
135.	Description Preparation Date:
18/4/2024	
136.	Available Attendance Forms:
In the Classroom	
137.	Number of Credit Hours (Total) / Number of Units (Total)
45 hours	
138.	Course administrator's name (mention all, if more than one name)
Name: Nadwa khazaal Rashad Email: nadwa.khazaal @uomosul.ed.iq	
139.	Course Objectives

Course Objectives	.

1. Teaching and Lea The lecture: consists of theoretical explanations of the basic concepts of quantitative methods
2. • Case studies: They are a group of problems adapted from organizations
3. Exercises and applications: practical exercises and practical exercises using the SPSS

Strategy	. • Start with the basics: Start with basic concepts, such as statistical definitions related to the subject of quantitative methods, such as variables, distributions, data, stages of methods, etc. Make sure students understand these matters before moving forward. • Practical training on the applications of quantitative methods theoretically and using the SPSS program

4. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3		Introduction to the basics of programming	Explaining in the lecture	
2	3		Fundamentals of programming	Lecture and discussion	
3	3		Data type	Lecture and discussion	
4	3		Program structure	Lecture and dialogue	Q&A and discussion
5	3		Input and output statements 1	Discussion and practical lecture in data show	Q&A and quizzes
6	3		Input and output statements 2	Discussion and practical lecture in data show	
7	3		Arithmetic operations 1	Lecture and dialogue	
8	3		Arithmetic operations 2	Lecture and dialogue	
9	3		Input and output statements And Arithmetic operations	Discussion and practical lecture in data show	Applied exercises and Exam
10	3		Control statement 1	Discussion and practical lecture in data show	Q&A
11	3		Control statement 2	Discussion and practical	Q&A

				lecture in data show	
12	3		Control statement 3	Discussion and practical lecture in data show	Q&A and quizzes
13	3		Control statement 4	Discussion and practical lecture in data show	Q&A
14	3		Programming applications	Discussion and practical lecture in data show	Q&A and quizzes
15	3		Control statement 1,2,3,4		Applied exercises and Exam

5. Course Evaluation

47-Final exams 60%
48-monthly tests 20%
49-assignments 10%
50-class contribution 10%

6. Learning and Teaching Resources

الكتاب المنهجي في مادة الأساليب الكمية مع تطبيقات عملية 1-: د.عبد العجيلي دار اليازوري. الطبعة الثانية، 1997.

2- المدخل الى الإحصاء ،خاشع الراوي.

3- المصادر المساعدة : مقدمة في بحوث العمليات ، 2022، خولة خالد الدركزلي

140. Course Name:
Fundamentals of Programming
141. Course Code:
AEMI24_F205
142. Semester / Year:
2023-2024
143. Description Preparation Date:
15/4/2024
144. Available Attendance Forms:
In the Classroom
145. Number of Credit Hours (Total) / Number of Units (Total)
30hours

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

147. Course Objectives	
Course Objectives	

148. Teaching and Learning Strategies	
Strategy	

149. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2		First: The concept of crimes and their categories 1- Definition of crime linguistically and terminologically 2- Crime sections	Explaining in the lecture	Q&A discussion
2	2		First: The crimes of the Baath regime according to the documentation of the Iraqi Criminal Court law Second: Types of psychological crimes	Lecture and discussion	Q&A

			Second: The psychological effects of crimes		
3	2		Decisions issued by the Supreme Criminal Court Militarization of society	Lecture and discussion	Q&A and quizzes
4	2		The regime's position on religion Violations of Iraqi laws	Lecture and lab hours	Q&A and discussion
5	2		Some decisions regarding political and military violations of the Baath regime	Lecture and lab hours	Q&A and quizzes
6	2		Prison and detention places of the Baath regime in Iraq Environmental crimes of the Baath regime	Lecture and lab hours	Q&A and quizzes
7	2		Military and radioactive contamination and mine explosions Destruction of cities and villages (scorched earth policy)	Lecture and lab hours	Q&A and discussion
8	2		Drying the marshes in southern Iraq Destroying orchards, palm trees, trees and crops	Lecture and lab hours	Q&A and quizzes
9	2		Mass grave crimes Incidents of mass graves in the Baathist regime in Iraq		Q&A discussion
10	2		The events of 1963 and their relationship to mass graves	Lecture and lab hours	Q&A
11	2		The events of 1979 to 2003 and their relationship to mass graves The events of 1978 to 1988 and their relationship to mass graves	Lecture and lab hours	Q&A
12	2		The events of the	Lecture and lab hours	Q&A and quizzes

			Shaabani uprising in 1991 and its relationship to mass graves		
13	2		Chronological classification of mass graves and genocide in Iraq from 1963 to 2003 Mass grave events dating back to 1963 Clarifying the names of mass graves from 1979 to 2003	Lecture and lab hours	Q&A
14	2		Mass graves against the Kurds 1983 Anfal massacre 1987-1988	Lecture and lab hours	Q&A and quizzes
15	2		Cemeteries of the Shaabaniya Uprising in Iraq 1991		Q&A discussion

150. Course Evaluation
51-Final exams 60% 52-monthly tests 20% 53-assignments 10% 54-class contribution 10%
151. Learning and Teaching Resources

Course Name .48
Marketing information systems
Course Code .49
EMI23_F204
academic year .50
2024-2023
Date the description was prepared .51

2024/4/1					
Available attendance forms .52					
Attendance in the classroom					
Number of study hours .53					
45					
Course objectives .54					
the concept and systems of marketing information, in addition to Introducing introducing students to the concept of electronic commerce and the stages its development, and providing students with computer skills in marketing of .and marketing information systems					
Learning methods .55					
	• The lecture consists of theoretical explanations of the basic concepts of scientific research • Case studies: A group of problems adapted from organizations Exercises and applications: Practical exercises using Excel .				
.56					
Course structure .57					
Evaluation method	Teaching method	Topic title	Required outputs	hours	the week
	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 the marketing information 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	-e -Stages of development commerce categories		3	15
				Sources	.58
Ajarma-Introduction to marketing information systems , Tayseer Al					
					.59

152. Course Name:					
human resource information system					
153. Course Code:					
AEMI24_F204					
154. Semester / Year:					
2023-2024					
155. Description Preparation Date:					
1/4/2024					
156. Available Attendance Forms:					
In the Classroom					
157. Number of Credit Hours (Total) / Number of Units (Total)					
45 hours					
158. 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.				
159. Teaching and Learning Strategies					
Strategy	• lecture • Discussion • Brainstorming • Collaborative work • Case Study				
160. 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 the relationship between information technology and HRIS	Information technology and human resources information systems	Lecture & discussion	Q&A and discussion

6	3	Distinguish sources and types of inputs in HRIS	Sources and types of human resources information system inputs	Lecture & discussion	Q&A and discussion
7	3	Knowing of the concept of human resources planning information system	Human resources planning information system	Lecture & discussion	Q&A and discussion
8	3	Knowing of the concep of human resources recruitment information system	Human resources recruitment information system	Lecture & discussion	Q&A and discussion
9	3	Knowing the concept of human resources training information system	Human resources training information system	Lecture & discussion	Q&A and discussion
10	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
11	3	Knowing the concept of HR compensation information system	Human Resources Compensation Information System	Lecture & discussion	Q&A and discussion
12	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
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	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
15	3	Measuring the student's level knowledge of what he studied during the semester	Exam	Exam	Exam

161. Course Evaluation

55-Final exams 60%
56-monthly tests 20%
57-quiz & assignments 10%
58-class contribution 10%

162. Learning and Teaching Resources

- طه، عاطف جابر، 2014، نظم معلومات الموارد البشرية، ط 1، دار الفجر للنشر والتوزيع، القاهرة
- الزهراني والزريبي، عبدالله عطية، نوفل سالم، 2016، مقدمة في نظم معلومات الموارد البشرية: تطبيقات على الحاسب الالي.، دار جامعة الملك سعود للنشر.

163. Course Name:

Programming by C++ language	
164. Course Code:	
AEMI24_F206	
165. Semester / Year:	
2023−2024	
166. Description Preparation Date:	
15/4/2024	
167. Available Attendance Forms:	
In the Classroom	
168. Number of Credit Hours (Total) / Number of Units (Total)	
60 hours	
169. Course administrator's name (mention all, if more than one name)	
Name: Hani Ramadhan Alkhaled Email: hani_alnaimi@uomosul.ed.iq	
170. 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 in which some office software tools are available, which have become necessary these days.**
171. Teaching and Learning Strategies	
Strategy	• **Hands-on Coding**: C++ is best learned by doing. Encourage students to write code early and often. Provide plenty of coding exercises and projects to reinforce learning. • **Adaptation to New Technologies**: Be able to adapt to new features and technologies in the C++ language and ecosystem, staying updated with industry trends and best practices. • **Collaboration and Communication**: Work effectively in teams, communicate technical concepts clearly, and collaborate with peers to solve problems and complete projects. • **Best Practices**: Follow best coding practices, including naming conventions, commenting, code formatting, and modularization, to write clean and maintainable code. • **Peer Collaboration and Code Review**: Encourage students to collaborate with peers, discuss solutions, and review each other's code. This fosters a

	collaborative learning environment and helps students learn from each other's mistakes. • **Adapt to Different Learning Styles**: Employ a variety of teaching methods such as lectures, interactive sessions, demonstrations, and hands-on labs to accommodate different learning styles. • **Continuous Assessment and Feedback**: Regularly assess students' progress through quizzes, assignments, and exams. Provide constructive feedback to help them improve.

172. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	4		Programming with C++ lang.	Explaining in the lecture	Q&A discussion
2	4		Loop statements1 "for"	Lecture and discussion	Q&A
3	4		Loop statment2 "for"	Lecture and discussion	Q&A and quizzes
4	4		Loop statment3 "jump statement"	Lecture and lab hours	Q&A and discussion
5	4		Loop statment4 "while"	Lecture and lab hours	Q&A and quizzes
6	4		Loop statement5 "do-while"	Lecture and lab hours	Q&A and quizzes
7	4		Array1 "One-dimension"	Lecture and lab hours	Q&A and discussion
8	4		Array2 "one-dimension"	Lecture and lab hours	Q&A and quizzes
9	4		Array3 "two-dimension"		Applied exercises and Exam
10	4		Array4 "two-dimension"	Lecture and lab hours	Q&A
11	4		Functions1	Lecture and lab hours	Q&A
12	4		Functions2	Lecture and lab hours	Q&A and quizzes
13	4		Literal strings	Lecture and lab hours	Q&A
14	4		Structures	Lecture and lab hours	Q&A and quizzes
15	4		Software applications		Applied exercises and Exam

173. Course Evaluation

59-Final exams 60%

60-monthly tests 20% 61-assignments 10% 62-class contribution 10%
174. Learning and Teaching Resources
المرجع الأساس في برمجة C++ مع تطبيقات عملية وهندسية. أ.د. عوض منصور و د.عبد العجيلي و د.محمود اباظة. دار اليازوري. الطبعة الثانية، 1997.
اساسيات البرمجة بلغة C++. د. إبراهيم نائب و د.محمد برهان. دار وائل للنشر.

175. Course Name:
Management information systems
176. Course Code:
AEMI23_F210
177. Semester / Year:
2023-2024
178. Description Preparation Date:
15/4/2024
179. Available Attendance Forms:
In the Classroom
180. Number of Credit Hours (Total) / Number of Units (Total)
30 hours
181. Course administrator's name (mention all, if more than one name)
Name: huda abdulrahem husien Email: huda-abdulrahem@uomosul.ed.iq
182. Course Objectives

Course Objectives	**Introducing students to the sequence of development of information systems with the development of organizations and their need for information and the complexity of information systems that provide this information to the various administrative levels in organizations, in addition to how the levels and functions of the organization are linked through information systems and the type of information used at each level according to the nature of the jobs and their information needs.**

183. Teaching and Learning Strategies	
MIS	• **The lecture: consists of theoretical explanations of the basic concepts of scientific research.**

	• **Case studies: They are a group of problems adapted from organizations**.

184. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3	1	A conceptual overview of the system and management information systems	Traditional lecture	Share
2	3	1	Security of information systems and the risks they face	Traditional lecture	Share
3	3	1	Problems facing information systems	Traditional lecture	Share
4	3	2	The main types of information systems	Discussion with the use of Data Show	Share
5	3	1	Information systems from a functional perspective	Discussion with the use of Data Show	A surprise test
6	3	2	Basic features and types of functional information systems	Traditional lecture with discussion of ideas	Share
7	3	2	Information systems according to organizational levels	Analysis of the problem with case studies	Share
8	3	2	Operational and administrative level systems	Discussing ideas with case studies	Share
9	3	2	Strategic level systems	Discussing ideas with case studies	Share
10	3	2	Types of information systems/database systems	Discussing ideas with case studies	Semester test
11	3	1	Retrieval system	Discussing ideas with case studies	Participate in case studies

12	3	1	Communication system	Analysis of the problem with case studies	Share
13	3	4	Beneficiaries of management information systems	Traditional lecture with Data Show	Share
14	3	4	The strategic role of the management information system	Traditional lecture	Share
15	3	4	The concept of knowledge and the philosophical perspective of knowledge	Traditional lecture	Share and Exam

185. Course Evaluation

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

3. Learning and Teaching Resources

Al-Taie, Muhammad Abd Hussein and Ali, Huda Abd al-Rahim Hussein, 2007, Information Economics and Soft Power in Achieving Competitive Advantage for Institutions, first edition, Amman, Jordan

Journals, research and the Internet

186. Course Name:

Computer Infrastructure

187. Course Code:

AEMI24_F211

188. Semester / Year:

2023−2024

189. Description Preparation Date:

15/2/2024

190. Available Attendance Forms:

In the Classroom

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

60 hours

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

Name: Mohmed Y. Mohmed Al-Sabaawi
Email: mohamed_alsabawy@uomosul.edu.iq

193. Course Objectives

Course Objectives	**1- Provides inspiration: This course provides the student with basic knowledge of the basic computer components of computer tools, how each part works, and the basic function that each part performs, in addition to the student acquiring the necessary knowledge of most computer-related devices, such as screens and various networking technologies, and how to install and tech them.** **2- Skill remains: From this course, the student acquires the necessary skill needed to disassemble and reassemble a desktop computer and laptop without the need to seek the help of specialists. This skill also provides the skill to effectively solve some of the common problems facing the computer to preserve what it has, share important applications, and delete the operating system setting.**

194. Teaching and Learning Strategies

Strategy	**1. The lecture** **2. Dialogue and interaction** **3. Research groups** **4. Visual display** **5. Practical study in the laboratory**

195. Course Structure

Week	Hours	Required Learning Outcomes	Unit or Subject Name	Learning Method	Evaluation Method
1	4		An Introductory Introduction to Computer Maintenance	Discussion with the use of Data Show	Q&A discussion
2	4		Theoretical Input Units	Discussion with the use of Data Show	Q&A discussion
3	4		Practical Input Units	Discussion with the use of Data Show in laboratory	Q&A discussion
4	4		Theoretical Power Supply	Discussion with the use of Data Show	Q&A and discussion
5	4		Practical Power Supply	Discussion with the use of Data Show in laboratory	Q&A discussion

6	4		Theoretical Disk Drives	Discussion with the use of Data Show	Q&A discussion
7	4		Practical Disk Drives	Discussion with the use of Data Show in laboratory	Q&A and quizzes
8	4		Theoretical Mother Board	Discussion with the use of Data Show	Q&A discussion
9	4		Practical Mother Board	Discussion with the use of Data Show in laboratory	Q&A discussion
10	4		Theoretical Central Processing Unit	Discussion with the use of Data Show	Q&A and quizzes
11	4		Practical Central Processing Unit	Discussion with the use of Data Show in laboratory	Q&A discussion
12	4		Practical Memories	Discussion with the use of Data Show in laboratory	Q&A discussion
13	4		Practical Operating System	Discussion with the use of Data Show in laboratory	Q&A
14	4		Practical Output Units	Discussion with the use of Data Show in laboratory	Q&A discussion
15	4		Final Exam Semester	Exam	Exam

196. Course Evaluation

63-Final Exams 60%
64-Monthly Tests 20%
65-Assignments 10%
66-Class Contribution 10%

197. Learning and Teaching Resources

الدباغ، رائد واليوسيف،ليلى، 2010، المختصر في صيانة وتركيب الحاسوب، دار ابن الاثير ، جامعة الموصل

198. Course Name:

Information and network security

199. Course Code:

AEMI24_F20

200. Semester / Year:

2023-2024

201. Description Preparation Date:

29/4/2024

202. Available Attendance Forms:

In the Classroom

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

30 hours

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

Name: Sayf Al-Ashqar
Email: sayf.alashqar@uomosul.ed.iq

205. 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.**

206. 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 approved 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 raising awareness, confronting challenges, and continuing progress.**

207. 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 in information centers / 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 / means 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, computer components and electronic devices / software security / authentication security	Lecture and discussion	Q&A and quizzes

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, its capabilities and limitations / email and its protection	Lecture and discussion	Q&A and quizzes
15	2	Clarifying information	Encryption / what it is and its basic components /	Lecture and discussion	Applied exercises and Exam

			encryption systems and their examples		

208. Course Evaluation
67-Final exams 60% 68-monthly tests 20% 69-assignments 10% 70-class contribution 10%
209. Learning and Teaching Resources
Al-Sarhan, Sarhan and Al-Mashhadani, Mahmoud, computer and information security

210. Course Name:
English Language – 2nd stage
211. Course Code:
AEMI24_F205
212. Semester / Year:
2023–2024
213. Description Preparation Date:
15/4/2024
214. Available Attendance Forms:
Physical
215. Number of Credit Hours (Total) / Number of Units (Total)
30 hours
216. Course administrator's name (mention all, if more than one name)
Name: Aws Yhya Abed Email: aws.yhya@uomosul.ed.iq
217. 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.**
218. 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.

219. 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 Grammer, 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 Grammer, 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 Grammer, 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 Grammer, 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 Grammer, 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

220. Course Evaluation
71-Final exams 60% 72-monthly tests 20% 73-assignments 10% 74-class contribution 10%
221. Learning and Teaching Resources
Liz Soars, John Soars, Paul Hancock - New Headway 5th Edition Elementary. Oxford University Press (2018)
Duolingo Mobile App

(3)

222. Course Name:
Administrative Communications
223. Course Code:
AEMI24_F301
224. Semester / Year:
2023−2024
225. Description Preparation Date:
15/4/2024
226. Available Attendance Forms:
In the Classroom
227. Number of Credit Hours (Total) / Number of Units (Total)
30 hours
228. Course administrator's name (mention all, if more than one name)
Name: Mohammed A. M. Hamokhalil Email: mohammed_hamokhalil@uomosul.ed.iq
229. 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.**

230. Teaching and Learning Strategies

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

231. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2		Communication systems, concept ,components	Explaining in the lecture	Q&A discussion
2	2		The Basic approaches to studying communications systems	Lecture and discussion	Q&A
3	2		The nature of communications in the organization , the determinants and success factors of effective communication	Lecture and discussion	Q&A and quizzes
4	2		Types of communication within groups and types of communication within the organization	Lecture and discussion	Q&A and discussion
5	2		Communications problems in systems, their determinants, communications	Lecture and discussion	Q&A and quizzes

			problems in the network, and the mechanism for dealing with them		
6	2		Communication networks	Lecture and discussion	Q&A and quizzes
7	2		Communication forms	Lecture and discussion	Q&A and discussion
8	2		Communication devices and equipment	Lecture and discussion	Q&A and quizzes
9	2		Communication devices and equipment	Lecture and discussion	Q&A
10	2		Communication devices and equipment	Lecture and discussion	Q&A
11	2		computer networks	Lecture and discussion	Q&A
12	2		Basic concepts in networks	Lecture and discussion	Q&A and quizzes
13	2		The role of administrative communications in improving the organization's performance	Lecture and discussion	Q&A
14	2		Administrative communication and creative behavior	Lecture and discussion	Q&A and quizzes
15	2		Exam		Applied exercises and Exam

232. Course Evaluation

75-Final exams 60%
76-monthly tests 20%
77-assignments 10%
78-class contribution 10%

233. Learning and Teaching Resources

1- الشماع ، خليل ، 1991 ، مبادئ ادارة الاعمال ،دار ابن الاثير للطباعة والنشر ، جامعة الموصل،الموصل، العراق.
2- الحمامي، علاء حسين وهاشم، سكينة حسن،2010 ، اساسيات وتكنولوجيا شبكات الحاسوب، اثراء للنشر والتوزيع ، عمان، الاردن.

3- الطائي ، محمد عبد حسين ، 2014 ، المدخل الى نظم المعلومات الادارية ، وائل للطباعة والتوزيع، عمان ، الاردن.

234. Course Name:
Electronic business
235. Course Code:
AEMI24_F303
236. Semester / Year:
2023-2024
237. Description Preparation Date:
1/4/2024
238. Available Attendance Forms:
In the Classroom
239. Number of Credit Hours (Total) / Number of Units (Total)
60 hours
240. Course administrator's name (mention all, if more than one name)
Name: rasha duraid hanna **Email: rasha_duriad@uomosul.edu.iq**
241. 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.**
242. 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

243. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method

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

244. Course Evaluation

79-Final exams 60%
80-monthly tests 20%
81-assignments 10%
82-class contribution 10%

245. Learning and Teaching Resources

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

1	كتاب مساعد	الطيطي، خضر مصباح(2008) التجارة الالكترونية والاعمال الالكترونية ،دار الحامد للنشر والتوزيع	
2	كتاب مساعد	سعد غالب ياسين ، 2001، الاعمال الإلكترونية ، دار المناهج للنشر	
3	كتاب مساعد	سعد غالب ياسين ،2009، الادارة الالكترونية ، دار اليازوري العلمية للنشر والتوزيع	
4	كتاب مساعد	محمد نور صالح الجداية وسناء جودت خلف، 2009، تجارة الكترونية ،دار الحامد للنشر والتوزيع	
5	كتاب مساعد	نجم عبود نجم ،2008، الادارة والمعرفة الالكترونية ، دار اليازوري العلمية للنشر والتوزيع	
6	كتاب مساعد	مزهر شعبان العاني،2016، الاعمال الالكترونية ، دار الاعصار العلمي للنشر والتوزيع	

246. Course Name:
Information systems analysis and design
247. Course Code:
AEMI24_F305
248. Semester / Year:
2023-2024
249. Description Preparation Date:
15/4/2024
250. Available Attendance Forms:
In the Classroom
251. Number of Credit Hours (Total) / Number of Units (Total)
45 hours

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

Name: ahmed zuhair Tawfiq
Email: ahmed_zuhair@uomosul.edu.iq

253. Course Objectives

Course Objectives	• **Introducing the concept of systems as a basis for analyzing and designing information systems** • **• Understand how to benefit from the systems approach in addressing information systems problems** • **• Know the role and characteristics of the systems analyst** • **• Qualifying the student with the knowledge necessary to study and analyze the needs and uses of users and determine the behaviors of requesting and using information among different categories of beneficiaries.** • **• Increasing the student's ability to think analytically and synthetically** • **• Methods of building, developing and evaluating systems in information institutions and determinants of application success by focusing on the system development life cycle.**

254. 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.**

255. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3		Basic principles of systems theory	Explaining in the lecture	Q&A discussion
2	3		The relationship between general systems theory and the systems	Lecture and discussion	Q&A

			analysis and design approach		
3	3		Concept analysis and design +The relationship between analysis and design	Lecture and discussion	Q&A and quizzes
4	3		Systems analyst (experiences, skills, tasks, roles) + Obstacles facing the systems analyst (technical, human, and organizational)	Lecture and lab hours	Q&A and discussion
5	3		Systems Life Cycle Methodology (Traditional) S.D.L.C Feasibility study stage	Lecture and lab hours	Q&A and quizzes
6	3		Analysis stage	Lecture and lab hours	Q&A and quizzes
7	3		Design stage	Lecture and lab hours	Q&A and discussion
8	3		Application phase + testing phase	Lecture and lab hours	Q&A and quizzes
9	3		Conversion stage		Applied exercises and Exam
10	3		Operation and evaluation phase	Lecture and lab hours	Q&A
11	3		prototyping modeling methodology Modeling concept	Lecture and lab hours	Q&A
12	3		Justifications for the emergence of modeling Modeling stages	Lecture and lab hours	Q&A and quizzes
13	3		Modeling levels Advantages and disadvantages of modeling	Lecture and lab hours	Q&A
14	3		Methodology for developing end user applications	Lecture and lab hours	Q&A and quizzes

			The concept of the ultimate beneficiary and its classification		
15	3		Outsourcing		Applied exercises and Exam

256. Course Evaluation

83-Final exams 60%
84-monthly tests 20%
85-assignments 10%
86-class contribution 10%

257. Learning and Teaching Resources

ياسين ،سعد غالب ،2018،تحليل تحليل وتصميم نظم المعلومات ،دار المناهج للنشر والتوزيع،عمان ،الاردن

Whitten,Jeffrey,L.,Bentley,Lonnie,D. ,2008, Systems analysis &Design ,1ST, Irwin, McGraw-Hill

258. Course Name:	
Decision Support System	
259. Course Code:	
AEMI21_F304	
260. Semester / Year:	
2023-2024	
261. Description Preparation Date:	
1/4/2024	
262. Available Attendance Forms:	
In the Classroom	
263. Number of Credit Hours (Total) / Number of Units (Total)	
45 hours	
264. Course administrator's name (mention all, if more than one name)	
Name: Mohammed Assim Mohammed Ali Email: mohamed_asem@uomosul.edu.iq	
265. 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.
266. 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.

267. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3		Data, information, and knowledge and their relation to administrative decision-making; definition and importance of administrative decision-making; decisions from the traditional perspective; decisions from the modern perspective.		
2	3		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.		
3	3		Structured decisions, semi-structured decisions, unstructured decisions. Making decisions with certainty, making decisions with uncertainty, making decisions under risk.		
4	3		Managing decision support with electronic spreadsheets: Practical examples.		
5	3		Characteristics of administrative decisions: inclusiveness, permanence, participatory potential, behavioral aspect. Elements of decisions: decision maker, subject, objectives, information, alternatives, constraints.		
6	3		Justification for using computerized decision support, definition of decision support systems.		
7	3		The expected benefits to be achieved, the efficiency of		

			decision support systems, and their effectiveness.		
8	3		Supporting the decisions of middle and senior managers, a comparison between decision support systems and management information systems.		
9	3		Definition of a database and its importance		
10	3		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.		
11	3		Decision trees and problem-solving methods, simulation.		
12	3		Definition of dialogue interfaces, importance of dialogue interfaces Individual decision support systems, group decision support systems, organizational decision support systems.		

13	3		Sensitivity analysis, what-if analysis, goal exploration		
14	3		Identifying beneficiary needs, lifecycle methodology		
15	3		Developing end-user applications, rapid development methodology, modeling		

268. Course Evaluation

87- Final exams 60%
88- monthly tests 20%
89- assignments 10%
90- class contribution 10%

269. Learning and Teaching Resources

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

ياسين ، سعد غالب، 2010 ، نظم دعم القرار

1. Course Name:

Visual programming

2. Course Code:

AEMI24_F309

3. Semester / Year:

2023-2024

4. Description Preparation Date:

15/4/2024

5. Available Attendance Forms:

Attendance in the classroom and laboratories

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: Suhair ABD Dawwod

Email: suhair_abd_dawwod@uomosul.ed.iq

8. Course Objectives

Course Objectives	● **Providing the student with programming skills and the basics of visual programming through Visual Basic 6.0** ● **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 in which some office software tools are available, which have become necessary these days.**

9. Teaching and Learning Strategies

Strategy	● **Start with Basics**: Begin with the fundamental concepts like variables, data types, operators, and control structures. Ensure students understand these before moving on. ● **Hands-on Coding**: visual programming is best learned by doing. Encourage students to write code early and often. Provide plenty of coding exercises and projects to reinforce learning. ● **Error Handling**: Cover common runtime errors and exception handling mechanisms to make students aware of potential pitfalls and how to handle them gracefully. ● **Peer Collaboration and Code Review**: Encourage students to collaborate with peers, discuss solutions, and review each other's code. This fosters a collaborative learning environment and helps students learn from each other's mistakes. ● **Adapt to Different Learning Styles**: Employ a variety of teaching methods such as lectures, interactive sessions, demonstrations, and hands-on labs to accommodate different learning styles. ● **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	4		Integrated development environment (introduction to the visual programming language VB6, its characteristics, and definition of building steps	Explaining in the lecture	Q&A discussion

			A project in the VB6 language, getting to know the parts of the VB6 visual programming screen, getting to know some objects and their properties		
2	4		Data and variables Constants and coefficients. Learn about data types in a language visual Basic , Identify variables in a language visual Basic Conditions for defining variables	Lecture and discussion	Q&A
3	4		Mouse and Keyboard Events (identifying mouse events, identifying keyboard events, practical application of events	Lecture and discussion	Q&A and quizzes
4	4		Message & Input Box dialog boxes (learning about the concept of dialog boxes, getting to know the Message Box, getting to know the InputBox	Lecture and lab hours	Q&A and discussion
5	4		The conditional statement IF starement •Recognizing the first type: IF…Then •IF…Then…Else •Multi-line IF statement	Lecture and lab hours	Q&A and quizzes
6	4		Select case Statement •Clarification on the select case statement •The ordered choice sentence choose A practical project on the choice sentence	Lecture and lab hours	Q&A and quizzes
7	4		Repetition and rotation sentences •Next For..Next statement •Exercises on repetition	Lecture and lab hours	Q&A and discussion

			and rotation sentences		
8	4		Repetition and rotation sentence •Do while…loop sentence •Do..loop while sentence •Do Until…Loop sentence •Distinguishing between the previous two types	Lecture and lab hours	Q&A and quizzes
9	4		(semester theoretical exam) Complementing my practical programs on repetition and rotation sentences		Applied exercises and Exam
10	4		Built-in-Function •Recognizing mathematical ready-made conjunctions •Learn about string function •Learn about time, date, and format functions	Lecture and lab hours	Q&A
11	4		Application programs on functions Ready made	Lecture and lab hours	Q&A
12	4		Advanced tools in VB6 ListBox ,CheckBox,ComboBox,Drive ListBox	Lecture and lab hours	Q&A and quizzes
13	4		Matrices, Introduction to Matrices, Types of matrices, formula General matrix Application Programs on matrices	Lecture and lab hours	Q&A
14	4		Application programs on matrices	Lecture and lab hours	Q&A and quizzes
15	4		Defining the Menu Editor, designing it, and modifying some of its properties - configuring the		Applied exercises and Exam

			ToolBar and linking forms		

11. Course Evaluation

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

12. Learning and Teaching Resources

كتاب البرمجة بلغة فيجوال بيسك،الدكتور يحيى صبري الحلبي،الدكتور محمد بلال الزعبي،2006 .

د.باسل الخطيب ،2001،تعلم فيجوال بيسك عن طريق الامثلة،دار الرضا للنشر ،سوريا،دمشق، الطبعة الاولى.

مايكل هالفرسون ،1999،visual basic 6.0 خطوة خطوة ، الطبعة العربية.

محاضرات من اعداد مدرسة المادة بالاعتماد على الكتب ومواقع الانترنت

270. Course Name:

Database

271. Course Code:

AEMI24_F403

272. Semester / Year:

2023-2024

273. Description Preparation Date:

15/9/2024

274. Available Attendance Forms:

In the Classroom

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

45 hours

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

Name: Ramadan Mahmood Ramo
Email: ramadan_mahmood@uomosul.edu.iq

277. 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.

278. 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.**

279. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3	1	Basics and history of databases	theoretical	Share
2	3	1	Basics of database management systems	theoretical	Share
3	3	1	Database components and users	theoretical	Share
4	3	2	Database characteristics & database design	theoretical	Share
5	3	1	Database design principles & structure for building a database management system	theoretical	A surprise test
6	3	2	Database management systems languages & the concept of key fields	theoretical	Share
7	3	2	Types of correlations	theoretical	Share
8	3	2	Types of correlations	theoretical	Share
9	3	2	Database life cycle		Share
10	3	2	Access program basics	practical	Semester test
11	3	1	Access program basics	practical	Participate in case studies
12	3	1	Basics of creating tables	practical	Share
13	3	4	Basics of creating tables	practical	Share
14	3	4	Basics of creating queries	practical	Share
15	3	4	Basics of creating queries	practical	Share and Exam

280. Course Evaluation

91-Final exams 60% 92-monthly tests 40%
281. Learning and Teaching Resources
- Database management systems / Dr. Saad Ghalib - Databases / Dr. The reformer of the bites

282. Course Name:	
Operations Research	
283. Course Code:	
AEMI24_F313	
284. Semester / Year:	
2023−2024	
285. Description Preparation Date:	
18/4/2024	
286. Available Attendance Forms:	
In the Classroom	
287. Number of Credit Hours (Total) / Number of Units (Total)	
45 hours	
288. Course administrator's name (mention all, if more than one name)	
Name: Rana Bashar Hussein Email: rana_bashar@uomosul.edu.iq	
289. Course Objectives	
Course Objectives	• The course aims to provide the student with scientific knowledge related to creative thinking and developing analytical abilities in solving problems through the use of operations research methodology and its methods in solving problems and making administrative decisions.
290. 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 taken from companies and organizations • Exercises and applications: Practical exercises using (SPSS).

291. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3		Review the usual simplex method	Lecture	
2	3		Binary simplex method	Lecture	
3	3		Add new constraints to the model	Lecture	
4	3		Definition of sensitive analysis	Lecture	quizzes
5	3		Right-hand sensitive analysis	Lecture	
6	3		Sensitivity analysis of objective function coefficients to non-essential variables	Lecture	
7	3		Sensitivity analysis of objective function coefficients to basic variables	Lecture	
8	3		Definition of business network	Lecture	quizzes
9	3		Basic concepts of business network	Lecture	

10	3		How to draw a business network	Lecture	
11	3		Critical path method	Lecture	
12	3		Practical examples of the critical path method	Lecture	
13	3		pert method	Lecture	
14	3		Practical examples of PERT method	Lecture	
15	3		Comparison between the critical path method and the PERT method	Lecture	quizzes

292. Course Evaluation

93-Final exams 60%
94-monthly tests 30%
95-assignments 5%
96-class contribution 5%

293. Learning and Teaching Resources

كتاب منهجي : جزاع، عبد ذياب (1986)"بحوث العمليات" الطبعة الثانية.

المصادر المساعدة : الدركزلي ، خولة خالد (2022) "مقدمة في بحوث العمليات"

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1. Course Name:

Communications and Networking

2. Course Code:

AEMI24_F302

3. Semester / Year:

2023-2024

4. Description Preparation Date:

15/4/2024

5. Available Attendance Forms:

Attendance 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: Luma Fawaz Jarallah
Email: Luma_fawaz@uomosul.ed.iq

8. Course Objectives

Course Objectives	**● Providing the student with cognitive skills in the subject of communications and networks and learning about communications systems in their various models, with a focus on communications through computer networks and their applications**

9. Teaching and Learning Strategies

Strategy	**● The style of lectures inside the classroom and also the style of discussions inside the hall.** **● Collaboration among colleagues and giving assignments in the form of groups encourages students to cooperate with their peers and discuss solutions with each other. This promotes a collaborative learning environment and helps students learn from their mistakes.** **●** **● Adapt to different learning styles: Use a variety of teaching methods such as lectures, interactive sessions, demonstrations, and practical laboratories.** **● Continuous assessment and feedback: By regularly assessing students' progress through tests, 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	The importance networks	Reasons for networking	Explaining in the lecture	Q&A discussion
2	2	Network component	Components of a computer network	Lecture and discussion	Q&A
3	2	Link cards	Types of network cards and communication media	Lecture and discussion	Q&A and quizzes
4	2	The basic m in networks the types	Installation of electronic communication	Lecture and discussion	Q&A and discussion

			channels used connectivity	networks and transmission lines		
5	2		Learn al layered architecture network operating systems	The scenario in which the network operates, layered architecture	Lecture and discussion	Q&A and quizzes
6	2		exam			
7	2		OSI Open Sys Layers Functi	Learn about the functions of the OSI interconnection system	Lecture and discussion	Q&A and discussion
8	2		Basic funct of the phys layer	Physical layer functions	Lecture and discussion	Q&A
9	2		Data link l functions	Basic functions of the data binding layer of the DLL		
10	2		Application l functions	Basic functions of network application software	Lecture and discussion	Q&A
11	2		packets I packets	Data encoding and types of packets	Lecture and discussion	Q&A
12	2		Equipment u in expan networks	Computer network expansion equipment	Lecture and discussion	Q&A and quizzes
13	2		The concept method operation of complex, brid gateways, routers	Hub and the complex Bridges, gateways, routers, switches	Lecture and discussion	Q&A
14	2		Fourth genera networks		Lecture and discussion	Q&A
15	2		exam			

11. Course Evaluation

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

12. Learning and Teaching Resources

- **الحمامي، علاء حسين وهاشم، سكينة حسن، 2010، اساسيات وتكنولوجيا شبكات الحاسوب، اثراء للنشر والتوزيع ، عمان، الاردن.**
- **Jerry Fitz Gerald & Alan Dennis , 2010 , Bussines Data Communication & Networking , McGraw Hill Inc.. 6- Behrouz A. Forouzan , 2007, Data Communications & Networking , 4th. Ed. , McGraw-Hill Inc.**
- محاضرات من اعداد استاذة المادة بالاعتماد على الكتب ومواقع الانترنت.

محاضرات من اعداد مدرسة المادة بالاعتماد على الكتب ومواقع الانترنت

294. Course Name:	
Electronic business systems	
295. Course Code:	
AEMI24_F304	
296. Semester / Year:	
2023-2024	
297. Description Preparation Date:	
1/4/2024	
298. Available Attendance Forms:	
In the Classroom	
299. Number of Credit Hours (Total) / Number of Units (Total)	
60 hours	
300. Course administrator's name (mention all, if more than one name)	
Name: rasha duraid hanna **Email: rasha_duriad@uomosul.edu.iq**	
301. 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.**
302. 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
303. 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 in 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

304. Course Evaluation

97- Final exams 60%
98- monthly tests 20%
99- assignments 10%
100- class contribution 10%

305. Learning and Teaching Resources

& Dave Chaffey,2010,E-Bussiness&E-Commerce Management: Strategy implementation ,prentice-Hall practice			
1	كتاب مساعد	الطيطي، خضر مصباح(2008) التجارة الالكترونية والاعمال الالكترونية ،دار الحامد للنشر والتوزيع	
2	كتاب مساعد	سعد غالب ياسين ، 2001، الاعمال الإلكترونية ، دار المناهج للنشر	
3	كتاب مساعد	سعد غالب ياسين ،2009، الادارة الالكترونية ، دار اليازوري العلمية للنشروالتوزيع	
4	كتاب مساعد	محمد نور صالح الجداية وسناء جودت خلف، 2009، تجارة الكترونية ،دار الحامد للنشر والتوزيع	
5	كتاب مساعد	نجم عبود نجم ،2008، الادارة والمعرفة الالكترونية ، دار اليازوري العلمية للنشروالتوزيع	
6	كتاب مساعد	مزهر شعبان العاني،2016، الاعمال الالكترونية ، دار الاعصار العلمي للنشروالتوزيع	

306. Course Name:
Information systems analysis and design techniques
307. Course Code:
AEMI24_F306
308. Semester / Year:
2023-2024
309. Description Preparation Date:
15/4/2024

310. Available Attendance Forms:
In the Classroom
311. Number of Credit Hours (Total) / Number of Units (Total)
45 hours
312. Course administrator's name (mention all, if more than one name)
Name: ahmed zuhair Tawfiq Email: ahmed_zuhair@uomosul.edu.iq

313. Course Objectives

Course Objectives	• **Giving students the ability to analyze systems and track administrative problems using scientific and applied means and methods.** • **• Being able to identify and diagnose the problem and identify functional relationships and related information.** • **• Discovering different alternatives, comparing them, and then choosing the best alternative.** • **• The ability to establish working relationships with those involved in the system.** • **• Identify ways to design these systems and know the importance of management information systems** • **Learn about information systems analysis and design techniques.**

314. 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 a program**

315. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3		**Application Software Packages**	Explaining in the lecture	Q&A discussion
2	3		**Rapid Application Development**	Lecture and discussion	Q&A

3	3		**Object - Oriented Development**	Lecture and discussion	Q&A and quizzes
4	3		Systems analysis and design techniques (tools)	Lecture and lab hours	Q&A and discussion
5	3		Document flow charts	Lecture and lab hours	Q&A and quizzes
6	3		DFD data flow diagrams	Lecture and lab hours	Q&A and quizzes
7	3		E-R Entity-Relationships	Lecture and lab hours	Q&A and discussion
8	3		DD Data Dictionary	Lecture and lab hours	Q&A and quizzes
9	3		Hierarchy plus input –processing -output **HIPO**		Applied exercises and Exam
10	3		Structure maps	Lecture and lab hours	Q&A
11	3		Systems maps	Lecture and lab hours	Q&A
12	3		Linguistic structure	Lecture and lab hours	Q&A and quizzes
13	3		Decision tables	Lecture and lab hours	Q&A
14	3		Decision tree	Lecture and lab hours	Q&A and quizzes
15	3		Process description		Applied exercises and Exam

316. Course Evaluation

101- Final exams 60%
102- monthly tests 20%
103- assignments 10%
104- class contribution 10%

317. Learning and Teaching Resources

7. الطائي، محمد عبد، 2023 ، تحليل وتصميم نظم المعلومات ، الطبعة الأولى ، دار المسيرة للنشر ، عمان ، الاردن .

Valacich ,J.,S. , George ,J. ,F. ,2017 ,Modern Systems Analysis and Design , 8th E.d . , Pearson Education, Inc.

1. Course Name:

Business Intelligence

2. Course Code:
AEMI21_F311
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: 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 tech the student using business intelligence in different functions and activities of organization.
9. Teaching and Learning Strategies	
Strategy	- It consists of theoretical explanations of the fundamental 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		Historical development and conceptual framework		
2	3		Importance of the role of business intelligence and systems in business organizations		
3	3		How to design Business Intelligence systems in		

			business organizations		
4	3		Business Intelligence Systems Classifications and Identification of their Main Beneficiaries		
5	3		Discussion on practical applications of Business intelligence for production and operations management		
6	3		Discussion on practical applications of Business intelligence for marketing management		
7	3		Discussion on practical applications of Business intelligence for Human Resources management		
8	3		Discussion on practical applications of Business intelligence for Financial Management		
9	3		Concept, Importance, and Methodology		

			of Data Mining		
10	3		The star schema for a data warehouse		
11	3		Design and dimensions practically applied		
12	3		Data Wearhouse		
13	3		Data cube, Oline analytical processing system (OLAP)		
14	3		Data mining, Dashboard		
15	3		Examination		

11.Course Evaluation

105- Final exams 60%
106- monthly tests 20%
107- assignments 10%
108- class contribution 10%

12.Learning and Teaching Resources

-Turban, E., R. Sharda, D. Delen & D. King (2011) "Business Intelligence: A Managerial Approach", 2nd
-Edition, Prentice Education, Inc, New-Jersey, USA

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

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

13. Course Name:
Visual programming for business
14. Course Code:

AEMI24_F310	
15. Semester / Year:	
2023-2024	
16. Description Preparation Date:	
15/4/2024	
17.Available Attendance Forms:	
In the Classroom	
18.Number of Credit Hours (Total) / Number of Units (Total)	
60 hours	
19. Course administrator's name (mention all, if more than one name)	
Name: Suhair ABD Dawwod Email: suhair_abd_dawwod@uomosul.edu.iq	
20. Course Objectives	
Course Objectives	• **Providing the student with programming skills and the basics of the Visual programming for business 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 in which some office software tools are available, which have become necessary these days**.
21. Teaching and Learning Strategies	
Strategy	• **Hands-on Coding**: Visual programming for business is best learned by doing. Encourage students to write code early and often. Provide plenty of coding exercises and projects to reinforce learning. • **Adaptation to New Technologies**: Be able to adapt to new features and technologies in the Visual programming for business language and ecosystem, staying updated with industry trends and best practices. • **Collaboration and Communication**: Work effectively in teams, communicate technical concepts clearly, and collaborate with peers to solve problems and complete projects. • **Best Practices**: Follow best coding practices, including naming conventions, commenting, code formatting, and modularization, to write clean and maintainable code. • **Peer Collaboration and Code Review**: Encourage students to collaborate with peers, discuss solutions, and review each other's code. This fosters a collaborative learning environment and helps students learn from each other's mistakes.

	● **Adapt to Different Learning Styles**: Employ a variety of teaching methods such as lectures, interactive sessions, demonstrations, and hands-on labs to accommodate different learning styles. ● **Continuous Assessment and Feedback**: Regularly assess students' progress through quizzes, assignments, and exams. Provide constructive feedback to help them improve.

22. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	4		Other tools: Image, Picture, optionButton, Timer, Frame, OLE	Explaining in the lecture	Q&A discussion
2	4		Functions and subprograms •What is a function? •The general form of the function •Examples and programs for functions and subprograms	Lecture and discussion	Q&A
3	4		Ways to connect Visual Basic with databases, linking with Access databases using Data Control and the DAO method	Lecture and discussion	Q&A and quizzes
4	4		Ways to connect Visual Basic with databases, linking with Access databases using Data Control and the DAO method	Lecture and lab hours	Q&A and discussion
5	4		File handling • What are files? • Sequential files • Functions used with files	Lecture and lab hours	Q&A and quizzes
6	4		Sequential files, opening the file, reading from the file, modifying the contents of a record, adding to the file, closing the file	Lecture and lab hours	Q&A and quizzes

7	4		Student control project, designing a project to deal with student information (grades using the Access database and linking it with Visual Basic through the Data Control tool with multiple possibilities for saving and entering the student	Lecture and lab hours	Q&A and discussion
8	4		Completing the student control project. After completing the design of the first part of the project, reports and statistics are designed, including the student's result, the number of successful students, the number of failed students, the number of students completing a subject, and the two subjects for top students.	Lecture and lab hours	Q&A and quizzes
9	4		Design a human resources management project,The project includes an integrated system for managing employee and teaching personnel, including personal and scientific information, with the ability to store all types of digital data and images within the database, which is designed using Access and linked with Visual Basic programs using the data control library.		Applied exercises and Exam
10	4		Design a human resources management project Completing the project design by preparing the required reports and statistics, preparing employees according to degree and specialization, preparing teachers according to academic title and displaying the names.	Lecture and lab hours	Q&A

11	4		Design a draft account invoice for a supermarket The invoice is designed in Word, a macro is used, and it is displayed in Visual Basic 6 using the Microsoft Word 10 library	Lecture and lab hours	Q&A
12	4		Google search engine creation project The search engine project is designed using Visual Basic 6 tools	Lecture and lab hours	Q&A and quizzes
13	4		Geographic information system Designing a GIS system for areas exposed to diseases and floods, such as malaria and measles. The system's features include map display - flood monitoring - clarification of areas affected by diseases, with zooming in and out, and setting a quick toolbar for the map.	Lecture and lab hours	Q&A
14	4		Encryption and decoding project + midterm exam How to deal with text through encryption and decryption of text, displaying the input and output of basic files using Common Dialog control	Lecture and lab hours	Q&A and quizzes
15	4		Traffic signal system design Traffic lights are signaling devices placed at road intersections or pedestrian crossing places to regulate traffic and control the flow of traffic safely using colored lights according to a globally agreed upon system.		Applied exercises and Exam
23. Course Evaluation					

5- Final exams 60%
6- monthly tests 30 %
7- assignments 10%

24. Learning and Teaching Resources

المصادر: كتاب البرمجة بلغة فيجوال بيسك،الدكتور يحيى صبري الحلبي،الدكتور محمد بلال الزعبي، 2006 .
د.باسل الخطيب ،2001،تعلم فيجوال بيسك عن طريق الامثلة،دار الرضا للنشر ،سوريا،دمشق، الطبعة الاولى.
مايكل هالفرسون ،1999،visual basic 6.0 الطبعة العربية ، خطوة خطوة.
محاضرات من اعداد مدرسة المادة بالاعتماد على الكتب ومواقع الانترنت.

318. Course Name:
Database management systems
319. Course Code:
AEMI24_F403
320. Semester / Year:
2023-2024
321. Description Preparation Date:
15/9/2024
322. Available Attendance Forms:
In the Classroom
323. Number of Credit Hours (Total) / Number of Units (Total)
45 hours
324. Course administrator's name (mention all, if more than one name)
Name: Ramadan Mahmood Ramo Email: ramadan_mahmood@uomosul.edu.iq
325. 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.**

326. 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**.

327. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3	1	Entity and relationship model 1	theoretical	Share
2	3	1	Entity and relationship model 2	theoretical	Share
3	3	1	Entity and relationship model3	theoretical	Share
4	3	2	Types of restrictions on relationships	theoretical	Share
5	3	1	Weak entity	theoretical	A surprise test
6	3	2	Examples of entity and relationship models	theoretical	Share
7	3	2	Convert ER diagram to database schema 1	theoretical	Share
8	3	2		theoretical	Share
9	3	2	Convert ER schema to database schema 2		Share
10	3	2		practical	Semester test
11	3	1	Convert ER diagram to database schema 3	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 standard formula	practical	Share and Exam

328. Course Evaluation

109- Final exams 60%
110- monthly tests 40%

329. Learning and Teaching Resources

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

330. Course Name:

Operations research applications

331. Course Code:

AEMI24_F314
332. Semester / Year:
2023−2024
333. Description Preparation Date:
18/4/2024
334. Available Attendance Forms:
In the Classroom
335. Number of Credit Hours (Total) / Number of Units (Total)
45 hours
336. Course administrator's name (mention all, if more than one name)
Name: Rana Bashar Hussein Email: rana_bashar@uomosul.edu.iq
337. Course Objectives

Course Objectives	• The course aims to provide the student with scientific knowledge related to creative thinking and developing analytical abilities in solving problems through the use of operations research methodology and its methods in solving problems and making administrative decisions.
338. 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 taken from companies and organizations • Exercises and applications: Practical exercises using SPSS.

339. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3		Definition of transportation issue	Lecture	
2	3		Methods for finding the	Lecture	

			first basic solution		
3	3		Northwest corner method	Lecture	
4	3		less cost method	Lecture	quizzes
5	3		Vogel's method	Lecture	
6	3		Definition of Assignment Problem	Lecture	
7	3		Mathematical construction of the problem	Lecture	
8	3		The first way to solve the Assignment problem	Lecture	quizzes
9	3		The second way to solve the Assignment problem	Lecture	
10	3		Comparison between the first method and the second method to solve the Assignment problem	Lecture	
11	3		Definition of game theory	Lecture	
12	3		Basic concepts in game theory	Lecture	
13	3		Configuration method Pay of matrix	Lecture	
14	3		Probability method	Lecture	
15	3		Graphical Method		quizzes
340. Course Evaluation					

111-	Final exams 60%
112-	monthly tests 30%
113-	assignments 5%
114-	class contribution 5%

341. Learning and Teaching Resources

كتاب منهجي : جزاع، عبد ذياب (1986)"بحوث العمليات" الطبعة الثانية.

المصادر المساعدة : الدركزلي ، خولة خالد (2022) "مقدمة في بحوث العمليات"

342. Course Name:

English language (3)

343. Course Code:

AEMI24_F315

344. Semester / Year:

2023-2024

345. Description Preparation Date:

15/4/2024

346. Available Attendance Forms:

In the Classroom

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

30 hours

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

Name: Hani Ramadhan Alkhaled
Email: hani_alnaimi@uomosul.ed.iq

349. 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, speeds, 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.

350. 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.

351. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2		Chapter1	Lecture	Q&A and discission

2	2		Chapter 2	Lecture	Q&A and discission
3	2		Chapter 3	Lecture	Lecture Q&A and discission
4	2		Chapter 4	Lecture	Q&A and discission
5	2		Chapter 5	Lecture	Q&A and discission
6	2		Chapter 6	Lecture	Q&A and discission
7	2		Monthly test		Written Exam
8	2		Chapter 7	Lecture	Q&A and discission
9	2		Chapter 8	Lecture	Q&A and discission
10	2		Chapter 9	Lecture	Q&A and discission
11	2		Chapter 10	Lecture	Q&A and discission
12	2		Chapter 11	Lecture	Q&A and discission
13	2		Chapter 12	Lecture	Q&A and discission
14	2		Course review	Lecture	Q&A and discission
15	2		Monthly test		Written Exam

352. Course Evaluation

115- Final exams 60%
116- monthly tests 20%
117- assignments 10%
118- class contribution 10%

353. Learning and Teaching Resources

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

(4)

354. Course Name:
Production management1
355. Course Code:
EMI23_F406
356. Semester / Year:
1st semester / 2023−2024

357. Description Preparation Date:
1/4/2024
358. Available Attendance Forms:
Attendance in class
359. Number of Credit Hours (Total) / Number of Units (Total)
45 hours
360. Course administrator's name (mention all, if more than one name)
Name: Bassam A. Alyouzbaky Email: bassam_abdalrahman@uomosul.edu.iq
361. Course Objectives

Course Objectives	The course aims to provide the student with scientific knowledge relat to managing the production process in organizations, by knowing t types of production systems, the production techniques used, and learni about methods of forecasting demand and planning production capacit
362. Teaching and Learning Strategies	
Strategy	• The lecture: consists of theoretical explanations of the basic concep of scientific research • Case studies: They are a group of problems adapted fr organizations • Exercises and applications: Practical exercises using Excel.

363. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1.	3		An introductory introduction to production management	Lecture	
2.	3		Historical development of production management	Lecture	
3.	3		Production management strategy	Lecture	
4.	3		Production system and its classifications	Lecture	
5.	3		Theoretical background of demand forecasting	Lecture	
6.	3		Quantitative methods for forecasting demand	Lecture	

7.	3		Descriptive methods for forecasting demand	Lecture	
8.	3		Product design and development	Lecture	
9.	3		Production capacity planning	Lecture	
10.	3		Long-term energy stages and decisions	Lecture	
11.	3		Choosing an industrial project site	Lecture	
12.	3		Methods used in site selection	Lecture	
13.	3		Internal arrangement of the factory	Lecture	
14.	3		Design and measurement of production work	Lecture	
15.	3		Aggregate production planning	Lecture	

16. Course Evaluation	
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc	
17. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	**محسن عبدالكريم و النجار، صباح مجيد، (2012)، إدارة الإنتاج والعمليات، ط2، الذاكرة للنشر والتوزيع**
Main references (sources)	
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

364. Course Name:
Strategic management
365. Course Code:
AEMI24_F403
366. Semester / Year:
2023-2024
367. Description Preparation Date:
15/9/2024
368. Available Attendance Forms:
In the Classroom

369. Number of Credit Hours (Total) / Number of Units (Total)
45 hours
370. Course administrator's name (mention all, if more than one name)
Name: faraj nghaimesh faraj Email: farag_farag@uomosul.edu.iq

371. Course Objectives	
Course Objectives	**Introducing students to strategy and strategic management, its development, components, stages, levels, obstacles, factors for the success of its application, strategic decisions, and the difference between strategy and plan, as well as introducing students to the organization's vision, its importance, its elements, the organization's mission and its importance, the steps for its preparation, the standards for preparing a good message, the factors influencing it, and its relationship to the organization's philosophy, as well as introducing students to the external environment. The organization and its components, the importance of studying it, types of information in environmental scanning, characteristics of the information environment, classifications of the external environment, dimensions of environmental analysis, analysis of the internal environment, the importance of its analysis, elements and entrances, information society resources, and information failure.**

372. 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.**

373. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3	1	Strategy and strategic management, its development and components	Traditional lecture	Share
2	3	1	Stages and levels of strategic management and	Traditional lecture	Share

			the difference between strategy and plan		
3	3	1	Obstacles facing strategic management and factors for the success of its application	Traditional lecture	Share
4	3	2	The concept of strategic vision, its importance and elements	Discussion with the use of Data Show	Share
5	3	1	The concept of the message, its importance, and the importance of setting a clear message	Discussion with the use of Data Show	A surprise test
6	3	2	Steps for preparing the organization's mission, the factors influencing it, the standards for its preparation, and its relationship to the organization's philosophy	Traditional lecture with discussion of ideas	Share
7	3	2	Definition of the external environment, its components, and the importance of studying it	Analysis of the problem with case studies	Share
8	3	2	Types of information in environmental scanning and characteristics of the information environment	Discussing ideas with case studies	Share
9	3	2	Dimensions of environmental analysis and classifications of the external environment	Discussing ideas with case studies	Share

10	3	2	Public and private external environment	Discussing ideas with case studies	Semester test
11	3	1	The concept of the internal environment and the importance of its analysis	Discussing ideas with case studies	Participate in case studies
12	3	1	Elements of the internal environment and resources of the information society	Analysis of the problem with case studies	Share
13	3	4	Approaches to internal analysis and information failure	Traditional lecture with Data Show	Share
14	3	4	Porter's model for industry analysis	Traditional lecture	Share
15	3	4	Types of competitive strategies and the best competitive strategy	Traditional lecture	Share and Exam

374. Course Evaluation

119- Final exams 60%
120- monthly tests 40%

375. Learning and Teaching Resources

Al-Saqour, Majd and Al-Sarn, Raad, 2018, Strategic Management, Syrian Virtual University.

Journals, research and the Internet

376. Course Name:

financial management

377. Course Code:

AEMI24_F406

378. Semester / Year:

2023-2024

379. Description Preparation Date:

1/4/2024

380. Available Attendance Forms:
In the Classroom
381. Number of Credit Hours (Total) / Number of Units (Total)
45 hours
382. Course administrator's name (mention all, if more than one name)
Name: Zaid Fawzi Ayoob AlShikh Email: zaid_fawzy@uomosul.edu.iq
383. 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.**

384. Teaching and Learning Strategies	
	1- Discussion method. 2. Project method. 3. Method of practical presentations. 4. Cooperative learning method.

385. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3		Introduction to financial management (the concept, the field of financial management and other fields of knowledge)	a lecture	
2	3		CFO (Responsibility and Role of CFO)	a lecture	
3	3		Financing decisions	a lecture	
4	3		Investment decisions	a lecture	

5	3		Working capital decisions/dividend decisions	a lecture	
6	3		The relationship between return and risk	a lecture	
7	3		Financial management objectives	a lecture	
8	3		Basics of financial statements (balance sheet statement / income statement)	a lecture	
9	3		Cash flow analysis	a lecture	
10	3		Financial performance analysis (review of financial statements / selection of the benchmark)	a lecture	
11	3		Analysis of basic financial indicators	a lecture	
12	3		Analysis of basic financial indicators	a lecture	
13	3		Financial planning and financial forecasting	a lecture	
14	3		Break-even analysis/operating leverage analysis	a lecture	
15	3		Stock markets	a lecture	

386. Course Evaluation

121- Final exams 60%
122- monthly tests 20%
123- assignments 10%
124- class contribution 10%

387. Learning and Teaching Resources

الادارة المالية الحديثة تأليف الاستاذ الدكتور محمد علي ابراهيم العامري، دار وائل للنشر، الطبعة الاولى، 2013.

388. Course Name:
Knowledge management
389. Course Code:
AEMI24_F407
390. Semester / Year:
2023-2024
391. Description Preparation Date:
15/4/2024
392. Available Attendance Forms:
In the Classroom
393. Number of Credit Hours (Total) / Number of Units (Total)
60 hours
394. Course administrator's name (mention all, if more than one name)
Name: rasha duraid hanna **Email: rasha_duriad@uomosul.edu.iq**
395. 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.**

396. 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**

397. Course Structure

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

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 + discussion		Applied exercises and Exam

398. Course Evaluation

125- Final exams 60%
126- monthly tests 20%
127- assignments 10%
128- class contribution 10%

399. Learning and Teaching Resources

المصادر

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

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

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

North,K.and G. Kumta (2018)

"Knowledge Management : value Creation

Through Organizational .Learning " 2nd

ED.,Springer international publishing ,Switzerland

13. Course Name:

Artificial intelligence

14. Course Code:

AEMI24_F409

15. Semester / Year:

2023-2024

16. Description Preparation Date:

15/4/2024

17. Available Attendance Forms:

Attendance 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: Luma Fawaz Jarallah
Email: Luma_fawaz@uomosul.ed.iq

20. Course Objectives

Course Objectives	**● Providing the student with cognitive skills in the subject of artificial intelligence and learning about artificial intelligence systems with its various models and applications**

21. Teaching and Learning Strategies

Strategy	**● The style of lectures inside the classroom and also the style of discussions inside the hall.** **● Collaboration among colleagues and giving assignments in the form of groups encourages students to cooperate with their peers and discuss solutions with each other. This promotes a collaborative learning environment and helps students learn from their mistakes.** **● Adapt to different learning styles: Use a variety of teaching methods such as lectures, interactive sessions, demonstrations, and practical laboratories.** **● Continuous assessment and feedback: By regularly assessing students' progress through tests, assignments and exams. Provide constructive feedback to help them improve.**

22. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	The importance artificial intelligence		Explaining in the lecture	Q&A discussion
2	2	Components of artif intelligence		Lecture and discussion	Q&A
3	2	Artificial intelligence applications		Lecture and discussion	Q&A and quizzes
4	2	Uses of artificial intelligence		Lecture and discussion	Q&A and discussion
5	2	Types of artificial intelligence		Lecture and discussion	Q&A and quizzes

6	2	exam			
7	2	Intelligent search algorithms		Lecture and discussion	Q&A and discussion
8	2	Horizontal search algorithm		Lecture and discussion	Q&A
9	2	Vertical search algorithms			
10	2	A* algorithm		Lecture and discussion	Q&A
11	2	B* algorithm		Lecture and discussion	Q&A
12	2	8-Puzzle algorithm		Lecture and discussion	Q&A and quizzes
13	2	Full pot algorithm		Lecture and discussion	Q&A
14	2	Coins algorithm		Lecture and discussion	Q&A
15	2	exam			

23. Course Evaluation

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

24. Learning and Teaching Resources

- **Artificial intelligence to solve complex problem 2017 -**
- **Intelligent Agent, 2017**
- **محاضرات من اعداد استاذة المادة بالاعتماد على الكتب ومواقع الانترنت**

Course Name: Expert systems and artificial intelligence

400. Statistical applications on the computer

401. Course Code:

402. Semester / Year: Chapter (first course)

403. Description Preparation Date: 1/4/2024

404. Available Attendance Forms: My presence is required in the hall and laboratory

405. Number of Credit Hours (Total) / Number of Units (Total): (3 hours per week)

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

Name: aswan mohamed alnaime

Email: aswan_mohamed@uomosul,edu.iq

407. Course Objectives

Course Objectives Identifying the concept of statistical applications on computer as the basis for all studies, understanding h to benefit from statistical applications in address information systems problems, knowing the role statistical applications and their characterist qualifying the student with the necessary knowledge uses and behaviors of information among vari categories of beneficiaries, increasing students' ability think and analyze statistically..	

408. Teaching and Learning Strategies

Strategy	1. Lecture and seminar method. 2. Discussion method.

409. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1st week 2nd week 3rd week 4th week 5th week 6th week 7th week 8th week 9th week 10th week 11th week 12th week 13th week 14th week 15th week	4Hours 4Hours 4 Hours 4 Hours 4 Hours 4 Hours 4 Hours 4 Hours 4 Hours 4 Hours 4 Hours 4 Hours 4 Hours 4 Hours 4 Hours		• The basics • For advanced statistics • Normal distribution • Standard normal distribution • T distribution • F distribution • Kay Square distribution		Weekly and monthly exams. Homework and reports. Questions and discussions.

			• Analysis of variance • SPSS program • Introduction to SPSS • Computer application of the program on the above distributions • Supplement the application		

410. 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

411. Learning and Teaching Resources	
Required textbooks (curricular books any)	Statistics, Amir Hanna Hormuz Statistics, humble narrator Statistical analysis using SPSS, Osama Rabie Amin
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	Statistical analysis of questionnaires using SP program, Ghaith Al-Bahr

412. Course Name:
Scientific research methods
413. Course Code:
AEMI24_F412
414. Semester / Year:
2023-2024
415. Description Preparation Date:
29/4/2024
416. Available Attendance Forms:
In the Classroom
417. Number of Credit Hours (Total) / Number of Units (Total)
30 hours
418. Course administrator's name (mention all, if more than one name)

Name: Sayf Al-Ashqar
Email: sayf.alashqar@uomosul.ed.iq

419. 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.**

420. 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.** **Completing scientific research in a scientific and practical manner that contributes to the application of what has been concluded through the concepts of scientific research methods.**

421. 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

422. Course Evaluation

129- Final exams 60%
130- monthly tests 20%
131- assignments 10%
132- class contribution 10%

423. Learning and Teaching Resources

A systematic book
Al-Hamdani, Muwaffaq and others, "Scientific Research Methods: Basics of Scientific Research"
Al-Warraq 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

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1. Course Name:

Production management2

2. Course Code:

EMI23_F406

3. Semester / Year:

2nd semester / 2023-2024
4. Description Preparation Date:
1/4/2024
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. Alyouzbaky Email: bassam_abdalrahman@uomosul.edu.iq
8. Course Objectives

Course Objectives	The course aims to provide the student with scientific knowledge relat to managing the production process in organizations, by knowing t types of production systems, the production techniques used, and learni about methods of forecasting demand and planning production capacit
9. Teaching and Learning Strategies	
Strategy	• The lecture: consists of theoretical explanations of the basic concep of scientific research • Case studies: They are a group of problems adapted fr 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		Inventory Management	Lecture	
2.	3		Material requirements planning systems	Lecture	
3.	3		Entry 1 MRP: Master production scheduling	Lecture	
4.	3		Entry 2 MRP: Technical composition of the product	Lecture	
5.	3		Entry 3 MRP: Inventory records	Lecture	
6.	3		Entry 3 MRP: Inventory records	Lecture	

7.	3		Automated production system	Lecture	
8.	3		Automated production system	Lecture	
9.	3		Quality Management	Lecture	
10.	3		Optimized production technology	Lecture	
11.	3		Rules for optimal production technology	Lecture	
12.	3		Computer-based production management systems	Lecture	
13.	3		Directed parts production information systems	Lecture	
14.	3		Immediate production control systems	Lecture	
15.	3		Manufacturing information systems	Lecture	

16. Course Evaluation

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

17. Learning and Teaching Resources

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

424. Course Name:
Strategic information systems
425. Course Code:
AEMI24_F404
426. Semester / Year:
2023-2024
427. Description Preparation Date:
15/4/2024

428. Available Attendance Forms:
In the Classroom
429. Number of Credit Hours (Total) / Number of Units (Total)
45 hours
430. Course administrator's name (mention all, if more than one name)
Name: faraj nghaimesh faraj Email: farag_farag@uomosul.ed.iq

431. Course Objectives	
Course Objectives	**Introducing students to the sequence of development of information systems with the development of organizations and their need for information and the complexity of information systems that provide this information to the various administrative levels in organizations, in addition to how the levels and functions of the organization are linked through information systems and the type of information used at each level according to the nature of the jobs and their information needs. Strategic information is used in special cases, especially by strategic management and in strategic planning.**

432. 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.**

433. 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 models	Traditional lecture	Share
2	3	1	Model, objectives and importance of strategic information systems	Traditional lecture	Share
3	3	1	The difference between SIS and MIS, the difference	Traditional lecture	Share

			between SIS and DSS		
4	3	2	Strategic databases, the concept, characteristics of strategic information and its use	Discussion with the use of Data Show	Share
5	3	1	Planning and developing strategic information systems	Discussion with the use of Data Show	A surprise test
6	3	2	Business intelligence systems, concept, importance	Traditional lecture with discussion of ideas	Share
7	3	2	Characteristics and types of business intelligence systems	Analysis of the problem with case studies	Share
8	3	2	Introduction to the concept of data warehouses DW	Discussing ideas with case studies	Share
9	3	2	An overview of the characteristics and objectives of using data warehouses	Discussing ideas with case studies	Share
10	3	2	ETL data acquisition techniques in data warehouses	Discussing ideas with case studies	Semester test
11	3	1	Data analysis techniques in data warehouses, OLAP real-time analytical processing technology	Discussing ideas with case studies	Participate in case studies
12	3	1	Data Mining DM, Structured Query Language (SQL). Daily exam	Analysis of the problem with case studies	Share
13	3	4	Artificial intelligence,	Traditional lecture with Data Show	Share

			concept, characteristics		
14	3	4	Types of artificial intelligence, intelligent agent	Traditional lecture	Share
15	3	4	Types of smart agents	Traditional lecture	Share and Exam

434. Course Evaluation
4. Final exams 60%. 5. monthly tests 40%
6. Learning and Teaching Resources
Al-Taie, Muhammad Abd Hussein and Al-Khafaji, Nima Abbas Khudair, 2009, Strategic Information Systems, Dar Al-Thaqafa for Distribution and Publishing.
Journals, research and the Internet

1. Course Name:
Financial and banking information systems
2. Course Code:
AEMI24_F406
3. Semester / Year:
2023−2024
4. Description Preparation Date:
1/4/2024
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: Zaid Fawzi Ayoob 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- Discussion 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		Introduction and systems theory	a lecture	
2	3		Introductions to the study of information systems	a lecture	
3	3		Financial information system	a lecture	
4	3		Accounting information system, internal audit information system, financial intelligence information system	a lecture	
5	3		Forecasting information system, money management information system, financial control information system	a lecture	
6	3		Banking information systems	a lecture	
7	3		Banking information system resources	a lecture	
8	3		Quality of banking information system	a lecture	

9	3		Classification of banking information systems	a lecture	
10	3		Banking operating systems	a lecture	
11	3		Administrative information system	a lecture	
12	3		Decision support systems	a lecture	
13	3		Analytical modeling of decision support systems	a lecture	
14	3		artificial intelligence	a lecture	
15	3		Expert banking systems	a lecture	

11. Course Evaluation

133- Final exams 60%
134- monthly tests 20%
135- assignments 10%
136- class contribution 10%

12. Learning and Teaching Resources

طارق طه، (2000)، "ادارة البنوك ونظم المعلومات المصرفية"، دار نشر القاهرة.
رايموند مكليود، (2000)، "نظم المعلومات الادارية"، تعريب سرور علي ابراهيم، دار المريخ للنشر، الرياض.
ثامر القدومي وسامر بركات، (2010)، "انظمة المعلومات المالية والمصرفية"، الشركة العربية المتحدة للتسويق والتوريدات، القاهرة.

435. Course Name:
Knowledge management systems
436. Course Code:
AEMI24_F408
437. Semester / Year:
2023-2024
438. Description Preparation Date:
1/4/2024
439. Available Attendance Forms:
In the Classroom
440. Number of Credit Hours (Total) / Number of Units (Total)

60 hours

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

Name: rasha duraid hanna
Email: rasha_duriad@uomosul.edu.iq

442. 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.**

443. 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

444. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2		Knowledge management and information technology	Explaining in the lecture	Q&A discussion
2	2		Knowledge innovation systems	Lecture and discussion	Q&A
3	2		Mechanisms, techniques and discovery of explicit and implicit knowledge	Lecture and discussion	Q&A and quizzes
4	2		Studying situations and obstacles that he	Lecture and discussion	Q&A and discussion

			does not know about		
5	2		Knowledge systems	Lecture and discussion	Q&A and quizzes
6	2		Organizational stories	Lecture and discussion	Q&A and quizzes
7	2		Knowledge maps	Lecture and discussion	Q&A and discussion
8	2		Context-based systems thinking	Lecture and discussion	Q&A and quizzes
9	2		Case studies and obstacles to generation systems	Lecture and discussion	Applied exercises and Exam
10	2		Knowledge sharing systems	Lecture and discussion	Q&A
11	2		Lessons learned systems	Lecture and discussion	Q&A
12	2		Experience-based systems	Lecture and discussion	Q&A and quizzes
13	2		Case studies and barriers to participation systems	Lecture and discussion	Q&A
14	2		Knowledge application systems	Lecture and discussion	Q&A and quizzes
15	2		Exam + discussion	Lecture and discussion	Applied exercises and Exam

445. Course Evaluation

137- Final exams 60%
138- monthly tests 20%
139- assignments 10%
140- class contribution 10%

446. Learning and Teaching Resources

ارما بيسرا وفرناندیز راجیف سابیروال (2015)" ادارة المعرفة : النظم والعمليات " ترجمة محمد شحاته وهبي / معهد الادارة العامة ، المملكة العربية السعودسة ، الرياض

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

North,K.and G. Kumta (2018) Knowledge Management : value Creation Throu Organizational .Learning " 2nd ED.,Springer international publishing ,switzerland

447. Course Name:
English Language – 4th stage
448. Course Code:
AEMI24_F205
449. Semester / Year:
2023-2024
450. Description Preparation Date:
15/4/2024
451. Available Attendance Forms:
Physical
452. Number of Credit Hours (Total) / Number of Units (Total)
30 hours
453. Course administrator's name (mention all, if more than one name)
Name: Aws Yhya Abed Email: aws.yhya@uomosul.ed.iq
454. 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.**
455. 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.

456. 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 Grammer, 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 Grammer, 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 Grammer, 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 Grammer, 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 Grammer, 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

457. Course Evaluation

141- Final exams 60%
142- monthly tests 20%
143- assignments 10%

144- class contribution 10%
458. Learning and Teaching Resources
Liz Soars, John Soars, Paul Hancock - New Headway 5th Edition intermediate. Oxford University Press (2018)
Duolingo Mobile App