



Academic Program Guide

— 2025–2026 —

College of Administration and Economics
Digital Economics Department - Wasit University





**Ministry of Higher Education and Scientific
Research**

**University of Wasit
College of Administration and Economics
Department of Digital Economics
Academic Program Guide 2025–2026**

University Name	:	Wasit University
Faculty/Institute	:	College of Administration and Economics
Scientific Department	:	Digital Economy Department
Academic or Professional Program Name	:	Bachelor in Digital Economy
Final Certificate Name	:	Bachelor in Digital Economy
Academic System	:	Courses
Description Preparation Date	:	09/08/2026
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Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department:

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Signature: _____



Prof. Dr.
Ahmed Abdullah Salman
Dean

SCIENTIFIC ASSOCIATE NAME:

Prof. Dr. Hussein Shnawa Majed

Date: _____

Signature: _____

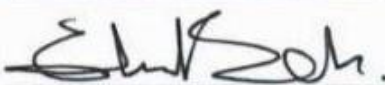


HEAD OF DEPARTMENT NAME:

Asst. Prof. Dr. Alaa Mahdi Sahi

Date: _____

Signature: _____





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Vision

Achieving academic and research excellence in the field of digital economy sciences, and preparing economic leaders capable of shaping the future of digital transformation in Iraq

Mission

Preparing specialized professionals in the digital economy through a smart educational environment and applying scientific research, to contribute to leading national digital transformation and advancing sustainable development.

Goals

1. Empowering students with digital skills that ensure their competitiveness in the digital labor market.
 2. Establishing strategic partnerships with the public and private sectors to deliver advisory solutions that support digital transformation.
 3. Promoting applied scientific research directed toward addressing the challenges of the digital economy and financial inclusion within the Iraqi context.
 4. Promoting digital literacy and delivering high-quality training programs to strengthen digital citizenship and serve the community.
 5. Continuously developing educational programs in alignment with international trends and technological advances to enhance the quality of outcomes.
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Program Objectives

1. Equip students with economic and digital knowledge and concepts necessary to understand and analyze the impact of digital technologies on markets, organizations, and local and global economies.
 2. Develop students' data analysis and economic decision-making skills using digital tools, quantitative methods, and modern technologies to support evidence-based decisions.
 3. Prepare graduates to effectively utilize digital and emerging technologies, such as artificial intelligence, data analytics, and digital platforms, to address economic issues and develop digital business models.
 4. Enhance students' capabilities in digital innovation and entrepreneurship, enabling them to develop digital solutions and ventures that contribute to productivity, competitiveness, and sustainable economic development.
 5. Prepare professionally competent graduates for the digital labor market, equipped with critical thinking, problem-solving, communication, and teamwork skills, while demonstrating professional and ethical responsibility in the use of data and digital technologies.
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Program Specifications

1. An interdisciplinary program integrating economics, information technology, data analytics, and business to understand and analyze economic activities in the digital environment.
 2. Focuses on modern digital applications in economics, including artificial intelligence, data analytics, e-commerce, digital platforms, and financial technology.
 3. Emphasizes applied and analytical learning through quantitative methods, software, databases, and digital tools for analyzing economic issues and supporting decision-making.
 4. Aligned with labor-market and digital-economy needs by developing professional, digital, innovation, and entrepreneurial skills for employment in public, private, and digital sectors.
 5. Promotes responsible and ethical use of technology and data by developing awareness of privacy, information security, digital governance, and professional and social responsibility.
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Program Learning Outcomes

1. Explain and apply economic concepts and theories to understand and analyze markets and economic activities in the digital environment.
 2. Analyze economic and digital data using appropriate quantitative, statistical, and digital tools, and derive insights to support decision-making.
 3. Apply digital and emerging technologies, including artificial intelligence, data analytics, and digital platforms, to investigate economic problems and develop appropriate solutions.
 4. Evaluate business models, markets, and policies in the digital economy and propose innovative solutions that enhance efficiency, competitiveness, entrepreneurship, and digital transformation.
 5. Communicate and collaborate effectively and demonstrate professional and ethical responsibility in the use of data and digital technologies, considering privacy, security, sustainability, and lifelong learning.
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الهيئة التدريسية

Teaching Staff

الاسم	اللقب	المنصب	البريد الالكتروني
أ.م.د علاء مهدي صاحي البرهان	أستاذ مساعد	رئيس القسم	alaamsahi@uowasit.edu.iq
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م.م وسام سلمان زيدان سلمان	مدرس	تدريسي	
م.م مجتبی علي حسين شعاع	مدرس مساعد	مقرر القسم	maltaiee@uowasit.edu.iq
م.م حيدر صادق عباس محمد	مدرس مساعد	تدريسي	
م.م نغم فاضل حسين حمود	مدرس مساعد	تدريسي	nahussain@uowasit.edu.iq

Credits, Grading and Cumulative Grade Point Average (CGPA)

The Bachelor's Program in Digital Economy follows the Bologna Process and the European Credit Transfer and Accumulation System (ECTS). Successful completion of the program requires **240 ECTS credits** distributed over eight semesters, with **30 ECTS per semester and 60 ECTS per academic year**. One ECTS credit is equivalent to **25 hours of student workload**, including structured and unstructured learning activities. The minimum passing grade for a module is **50%**. The CGPA is calculated as a credit-weighted average by multiplying each module's final score by its corresponding ECTS credits and dividing the total by the **240 ECTS** of the degree program.

Item	Approved Value
Study Duration	4 Years
Number of Semesters	8 Semesters
ECTS per Semester	30
ECTS per Year	60
Program Total	240 ECTS
Value of 1 ECTS	25 Hours of Learning Workload
Total Student Learning Workload	6000 Hours

Grading Scheme

(%) Marks / %	Grade	Grade	Group
100–90	Excellent	A	Success Group
89–80	Very Good	B	Success Group
79–70	Good	C	Success Group
69–60	Satisfactory	D	Success Group
59–50	Sufficient	E	Success Group
49–45	Fail – Further Work Required	FX	Fail Group
44–0	Fail	F	Fail Group

Bachelor's curriculum in Digital Economics

First year		المرحلة الأولى
الكورس الأول I-Semester		
Introduction to the Digital Economy		مقدمة في الاقتصاد الرقمي
Microeconomics		الاقتصاد الجزئي
Digital Business Management		إدارة الأعمال الرقمية
Digital Accounting		المحاسبة الرقمية
English Language		اللغة الإنجليزية
Democracy and Human Rights		الديمقراطية وحقوق الانسان
الكورس الثاني II- Semester		
Macroeconomics		الاقتصاد الكلي
Readings in the Digital Economy		قراءات في الاقتصاد الرقمي E
Business Statistics (SPSS)		الإحصاء للأعمال التجارية – SPSS
Digital financial mathematics		الرياضيات المالية الرقمية
Fundamentals of Computer Science		أساسيات علوم الحاسوب
Arabic Language		اللغة العربية
Second year		المرحلة الثانية
الكورس الاول I-Semester		
Law and Regulatory Frameworks in the Digital Age		القانون والتشريعات في العصر الرقمي
Advanced Digital Economics		الاقتصاد الرقمي المتقدم
Introduction to Data Science		مقدمة في علم البيانات
Digital Entrepreneurship		ريادة الأعمال الرقمية
English Language		اللغة الإنجليزية
Computer Skills: Microsoft Excel		مهارات الحاسوب - اكسل
الكورس الثاني II- Semester		
Digital Banking and Finance		الخدمات المصرفية الرقمية
SQL databases		قواعد البيانات SQL
Business Intelligence - BI		ذكاء الأعمال
Digital Public Finance		المالية العامة الرقمية
Arabic Language		اللغة العربية
Crimes of the Ba'ath Regime		جرائم البعث
Third year		المرحلة الثالثة
الكورس الأول I-Semester		
Python Programming for Economics and Finance		برمجة بايثون للاقتصاد والتمويل
Digital Government & Transformation		الحكومة الرقمية والتحول الرقمي

Electronic Commerce		التجارة الإلكترونية
Data Analysis – Power BI		تحليل البيانات – Power BI
Monetary economics		الاقتصاد النقدي
Integrity and Anti-Corruption		النزاهة ومكافحة الفساد
الكورس الثاني II- Semester		
Big Data in Economics and Business		البيانات الضخمة في الاقتصاد والأعمال
Digital Marketing		التسويق الرقمي
Artificial Intelligence for Business		الذكاء الاصطناعي للأعمال
Digital Business Models		نماذج الأعمال الرقمية
Digital leadership		القيادة الرقمية
Academic writing skills		مهارات الكتابة الأكاديمية
Fourth year		المرحلة الرابعة
الكورس الأول I-Semester		
Knowledge Economy		الاقتصاد المعرفي
Financial Technology (FinTech)		التكنولوجيا المالية
Applied Econometrics using R/Views.		الاقتصاد القياسي التطبيقي باستخدام R/Views.
Digital Asset and Cryptocurrency Trading		تداول الأصول الرقمية والعملات المشفرة
Cloud Computing		الحوسبة السحابية
Data Governance & Privacy		الخصوصية وحوكمة البيانات
الكورس الثاني II- Semester		
Cybersecurity		الأمن السيبراني
Blockchain economy		اقتصاد البلوك تشين
Business Startup		المشاريع الناشئة
Digital Sustainability		الاستدامة الرقمية
Machine learning and predictive analytics.		التعلم الآلي والتحليلات التنبؤية
Applied Research Project		مشروع بحث تطبيقي

Contact Information

E-mail

dept.digitaleconomics.coaec@uowasit.edu.iq

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	مقدمة في الاقتصاد الرقمي		Module Delivery
Module Type	B		☒ Theory ☐ Lecture ☐ Lab ☒ Tutorial ☐ Practical ☐ Seminar
Module Code	DE2205		
ECTS Credits	4.00		
SWL (hr/sem)	50		
Module Level	1	Semester of Delivery	
Banking and Finance Department	الاقتصاد الرقمي	College	كلية الإدارة والاقتصاد
Module Leader	أ.م.د. علاء مهدي البرهان	e-mail	alaamsahi@uowasit.edu.iq
Module Leader's Acad. Title	مدرس مساعد	Module Leader's Qualification	دكتوراه
Module Tutor		e-mail	alaamsahi@uowasit.edu.iq
Peer Reviewer Name		e-mail	
Scientific Committee Approval Date		Version Number	

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module مواد ممهدة	لا يوجد	Semester	
Co-requisites module مواد مكملية	لا يوجد	Semester	

Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

Module Objectives أهداف المادة الدراسية	Course Objectives: Introduction to the Digital Economy The <i>Introduction to the Digital Economy</i> course aims to enable students to understand the economic transformations brought about by digital technologies across markets, firms, labor, trade, finance, and public policy. More specifically, the course aims to: 1. Introduce students to the concept of the digital economy and its key characteristics, and distinguish among digitization, digital transformation, and the data-driven economy. 2. Explain the impact of digital technology on changes in economic transaction costs, particularly the costs associated with search, replication, transportation, tracking, and verification. 3. Explain the economic characteristics of digital goods and services, such as low marginal costs, ease of replication, scalability, and, in some cases, difficulties associated with exclusion. 4. Analyze the role of network effects in digital markets and how they can lead to the rapid growth of platforms, market concentration, or the emergence of digital monopolies. 5. Develop an understanding of platform economics and multi-sided markets, such as Amazon, Uber, Airbnb, and Alibaba, and analyze how value is created and distributed among users, producers, and the platform. 6. Explain pricing and revenue models in the digital economy, including the freemium model, subscriptions, digital advertising, dynamic pricing, and data-driven pricing. 7. Analyze data as an economic asset and understand its role in digital advertising, artificial intelligence, service personalization, competition, and decision-making. 8. Evaluate issues related to privacy, trust, and cybersecurity from an economic perspective, and examine their relationship with the behavior of consumers, firms, and regulators. 9. Examine the impact of the digital economy on e-commerce and financial technology, including digital payments, financial inclusion, digital currencies, and central bank digital currencies. 10. Understand the impact of digital transformation on labor markets and productivity, including platform-based work, the gig economy, remote work, automation, and digital skills. 11. Analyze the role of artificial intelligence and generative artificial intelligence in reshaping production, innovation, competition, and the demand for skills. 12. Develop students' ability to evaluate public policies and regulatory frameworks related to competition, data protection, platform regulation, artificial intelligence, and the digital divide. 13. Enable students to use real-world case studies to analyze digital business models and the policies associated with them. 14. Strengthen students' critical thinking and academic research skills in the field of the digital economy through the examination of reliable academic
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	articles and reports published by reputable international institutions. 15. Prepare students to understand contemporary economic issues related to digital transformation at the local, regional, and global levels.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	By the end of the course, students will be able to: 1. Explain the economic characteristics of digital and information goods. 2. Explain how digitization affects the costs of search, replication, transportation, tracking, and verification. 3. Understand direct and indirect network effects and their role in the growth of digital platforms. 4. Distinguish between traditional markets and multi-sided digital markets. 5. Explain the relationship among data, digital advertising, privacy, and market power. 6. Understand regulatory issues related to major digital platforms, competition, artificial intelligence, and digital labor.
Indicative Contents المحتويات الإرشادية	The Introduction to the Digital Economy course covers the following indicative content: 1. The concept of the digital economy and digital transformation. 2. Digital goods and the economics of information. 3. Platform economics and network effects. 4. Data, privacy, and cybersecurity. 5. E-commerce and financial technology (FinTech). 6. Artificial intelligence and digital labor. 7. Regulation of the digital economy and the digital divide.

Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

Strategies	1. Interactive lectures to explain the fundamental concepts of the digital economy.
	2. Case studies to analyze real-world business models such as Amazon, Uber, Google, and ChatGPT.
	3. Classroom discussions on issues related to competition, privacy, data, and artificial intelligence.
	4. Collaborative learning through student group work to analyze digital platforms.
	5. Student presentations on topics related to the digital economy and digital transformation.
	6. Critical reading of reliable academic articles and reports published by reputable international institutions.
	7. Project-based learning through the preparation of a final project on a digital platform or digital policy.
	8. Academic debates on issues related to platform regulation, digital taxation, and digital labor.

Student Workload (SWL)

الحمل الدراسي للطالب محسوب لـ ١٥ أسبوعا

Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	33	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	4
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	17	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	8
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	50		

تقييم المادة الدراسية

الوقت/العدد	الوزن (الدرجة)	الأسبوع المستحق	نتائج التعلم ذات الصلة
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15-1	1	20%(10)	2	الامتحانات اليومية (Quizzes)	التقييم التكويني
جميعها	-	5%(5)	1	المهام (الواجبات المنزلية)	
جميعها	-	5%(5)	1	المهام (الواجبات داخل الكلية)	
-	-	-	-	المشاريع / المختبر	
جميعها	10 ،5	10% (5)	2	التقارير	
	-	-	-	حلقة دراسية	التقييم التلخيصي
	13	10% (10)	1 ساعة	امتحان منتصف الفصل الدراسي	
	16	50% (50)	3 ساعة	الامتحان النهائي	
		100% (100 درجة)		التقييم الإجمالي	

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

The Emergence and Evolution of the Digital Economy - The First, Second, Third, and Fourth Industrial Revolutions. - The development of computers and telecommunications. - The emergence of the Internet and the World Wide Web. - Mobile phones and smartphones. - The transition from analog information to digital information. - The decline in the costs of storage, processing, and communication.	Week 1

• The shift from an industrial economy to a data-driven economy. Technological Innovation and Economic Change	
Foundations of the Digital Economy • The concept of the digital economy. • The importance of the digital economy in the modern era. • Traditional economic activity and digital economic activity. • The narrow and broad definitions of the digital economy. • The distinction among the traditional economy, the knowledge economy, and the digital economy. • E-commerce and e-business. • Examples of digital activities, products, and services. • The relationship of the digital economy to individuals, businesses, and government.	Week 2
Digital Economy Infrastructure • Digital infrastructure. • The Internet and broadband connectivity. • Fiber-optic networks and telecommunications networks. • Fourth-generation (4G) and fifth-generation (5G) networks. • Data centers. • Cloud computing. • Software and applications. • Digital identity and digital signatures. • Internet service providers, platforms, developers, and users. • Government and regulatory authorities. The Concept of the Digital Ecosystem	Week 3
Digital Goods, Services, and Information • The concept of digital goods and digital services. • The distinction between digital and physical goods. • Replicability, transferability, and modifiability. • Non-rivalry in consumption. • Low marginal cost. • Free goods and zero pricing. • Information as an economic good. • Data, information, and knowledge. • Tangible and intangible assets. • Software, databases, and intellectual property. • Digital personalization and bundling. •	Week 4

The Economics of Information and Data Economic Characteristics of Information • Information as an economic good. • Information asymmetry. • Search costs. Data as a Modern Factor of Production • Data as a resource and an input into production. • The data value chain. • Big data. Data Governance and Valuation • Data ownership. • Data quality and value.	Week 5
E-Commerce and Digital Business • The concept of e-commerce. • Business-to-Consumer (B2C) commerce. • Business-to-Business (B2B) commerce. • Consumer-to-Consumer (C2C) commerce. • Consumer-to-Business (C2B) commerce. • Government-to-Citizen (G2C) digital services. • Online stores and marketplaces. • Mobile commerce (m-commerce). • The customer journey. • User interfaces. • Payment gateways. • Order fulfillment. • Last-mile delivery. • Logistics. • Social commerce. • Trust and consumer protection. Digital Marketing and Advertising	Week 6
Digital Business Models and Value Creation • The concept of a business model. • Value creation, delivery, and capture. • The value proposition. • Customer segments. • Channels and customer relationships. • Key resources, activities, and partners. • Revenue streams and cost structure.	Week 7

• The Business Model Canvas. • Advertising, subscription, commission, and licensing models. • Software as a Service (SaaS). • The sharing economy. • The content economy. • Digital entrepreneurship. • Problem discovery and identification. • Minimum Viable Product (MVP). • Experimentation and learning. • Scaling and growth. • Startup financing.	
Network Effects, Standards, and Switching Costs Topics • The concept of an economic network. • Direct network effects. • Indirect network effects. • Positive and negative network effects. • Feedback mechanisms. • Critical mass. • Coordinated expectations. • Technical standards. • Compatibility and interoperability. • Path dependence. • Switching costs. • Digital lock-in. • Multi-homing across platforms. • The winner-takes-most phenomenon.	Week 8
The Economics of Networks and Digital Platforms • Definition of a platform. • The distinction between a linear firm and a platform. • Two-sided and multi-sided markets. • Platform participants. • Cross-side network effects. • The chicken-and-egg problem. • Subsidizing one side of the market. • Asymmetric pricing. • The platform as an intermediary marketplace. • The platform as a direct seller. • Matching systems. • Ratings and reviews. • Recommendation systems. • Platform governance. • Off-platform leakage.	Week 9

• Multi-platform participation.	
Pricing in the Digital Economy • Traditional pricing and digital pricing. • Zero pricing. • Subscription-based pricing. • Pay-per-use pricing. • The freemium model. • Advertising as a source of revenue. • Bundling. • Versioning. • Price discrimination. • Dynamic pricing. • Personalized pricing. • Algorithmic pricing. • Discount coupons. • Pricing in multi-sided platforms. • Customer lifetime value (CLV). • Customer acquisition cost (CAC). • Risks of discrimination and algorithmic bias.	Week 10
Digital Transformation and Its Economic, Social, and Regulatory Impacts Organizational Transformation • Digitization and digital transformation. • Business process redesign. • Customer experience. • Digital maturity. • Organizational culture, leadership, and skills. • Digital transformation in the private and public sectors. Economic and Social Impacts • Economic growth and productivity. • Measurement of digital output. • Free goods and measurement challenges. • Intangible assets. • The future of work. • Remote work. • The gig economy. • Digital skills. • Inequality and the digital divide. Policy and Regulation • Privacy and data protection. • Cybersecurity.	Week 11

• Intellectual property. • Net neutrality. • Consumer protection. • Platform regulation. • Competition policy. • Digital taxation. • Technology ethics. • Environmental sustainability.	
Artificial Intelligence and the Digital Economy • Artificial intelligence (AI). • Machine learning. • Deep learning. • Generative artificial intelligence (Generative AI). • Algorithms. • The economics of prediction. • The cost of prediction. • Decision-making and human judgment. • Recommendation systems. • Digital assistants. • Automation. • Labor substitution and labor complementarity. • Productivity. • Product innovation. • Algorithmic bias. • Transparency and explainability. • Responsible artificial intelligence.	Week 12
EXAM	Week 13
Financial Technology, Payments, and Blockchain • The concept of financial technology (FinTech). • Digital banking. • Electronic payments. • Digital wallets. • Payment gateways. • Digital lending. • Crowdfunding. • InsurTech. • Financial inclusion. • Regulatory technology (RegTech). • Blockchain. • Distributed ledger technology (DLT). • Smart contracts. • Cryptocurrencies. • Crypto-assets. • Central bank digital currencies (CBDCs).	Week 14

Financial and cybersecurity risks.		
Financial Consumer Protection		
EXAM		Week 15
Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر		
	Material Covered	
Week 1		
Week 2		
Week 3		
Week 4		
Week 5		
Week 6		
Week 7		

Learning and Teaching Resources		
مصادر التعلم والتدريس		
متوفر في المكتبة؟	الكتاب	
نعم	كتاب حقوق الانسان والديمقراطية ... للأستاذ المساعد الدكتور ماهر صبري كاظم	الكتب المطلوبة
		المواقع الإلكترونية

Grading Scheme				
مخطط الدرجات				
Group	Grade	التقدير	Marks %	التعريف
مجموعة النجاح Success Group (50 - 100)	A – Excellent	امتياز	90 - 100	أداء متميز
	B - Very Good	جيد جدا	80 – 89	أعلى من المتوسط مع بعض الأخطاء
	C – Good	جيد	70 – 79	عمل جيد مع أخطاء ملحوظة
	D – Satisfactory	متوسط	60 – 69	مقبول ولكن به عيوب كبيرة
	E – Sufficient	مقبول	50 – 59	العمل يفي بالمعايير الدنيا

المجموعة الفاشلة	FX – Fail	راسب (قيد المعالجة)	(45-49)	مطلوب المزيد من العمل ولكن تم منح التقدير
Fail Group (0 – 49)	F – Fail	راسب	(0-44)	Considerable amount of work required

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

MODULE DESCRIPTION FORM

Module Information			
Module Title	Principles of Microeconomics		Module Delivery
Module Type			☒ Theory ☐ Lecture ☐ Lab ☐ Tutorial ☐ Practical ☐ Seminar
Module Code			
ECTS Credits	3		
SWL (hr/sem)	30		
Module Level	1	Semester of Delivery	1
Administering Department	Digital Economy	College	College of Administration and Economics
Module Leader	Assist prof: Shurooq Abbas Mirza	e-mail	
Module Leader's Acad. Title	Assist prof	Module Leader's Qualification	Asst. Lect.
Module Tutor	Name (if available)	e-mail	E-mail Smerza@uowasit.edu.iq
Peer Reviewer Name	Name Assist prof :Hayat Jumaa	e-mail	E-mail hjumaah@uowasit.edu.iq
Scientific Committee Approval Date	12/10/2025	Version Number	1.0

Relation with other Modules

relationship with mathematics	Microeconomics relies heavily on mathematical models to analyze the relationships between variables such as supply and demand, equilibrium, elasticity, profit maximization, and utility. Mathematics is used to accurately describe economic phenomena and predict the effects of changes.	Semester	1
relationship with politics	The economic decisions of individuals and companies are influenced by government policies such as taxes, subsidies, and oversight. The results of microeconomics help in setting effective economic policies that take into account efficiency and fairness.	Semester	

Module Aims, Learning Outcomes and Indicative Contents

Module Aims	1. Understanding the behavior of individuals and organizations by analyzing consumer and producer behavior and how they make economic decisions, as well as how individuals choose goods and services within limited income. 2. Analyzing market mechanisms, i.e., how markets function and the interaction of supply and demand forces in determining prices and quantities. 3. Enhancing resource allocation efficiency through the optimal use of limited resources. 4. Understanding the concepts of costs, revenues, and profits, and the relationship between production volume, costs, and revenues. 5. Analyzing the elasticity of supply and demand, enabling students to measure the responsiveness of consumers or producers to changes in prices or income.
Module Learning Outcomes	1. Cognitive Domain: The student will be able to explain fundamental concepts and principles in microeconomics, such as supply and demand, equilibrium, utility, and cost. - Distinguish between different types of markets and interpret the relationship between price and quantity in light of changes in supply and demand. - Analyze the impact of government policies on consumers and producers. 2. Applied Domain: The student will apply economic concepts to explain problems in the local market.

	- Participate in preparing economic reports based on supply, demand, and cost analysis. - Use economic analysis tools in the fields of management, finance, or public policy.
Indicative Contents	Read the main concepts for each chapter and familiarize yourself with the terminology. Attend lectures regularly and review them after each one. Complete all exercises by hand and use the diagrams to understand the types of relationships and changes that occur. Submit assignments and reports on time. Prepare for tests, class discussions, and science competitions. Make use of online resources and videos. Always try to apply the concepts to the Iraqi context.

Learning and Teaching Strategies

Strategies	Digital learning that encourages student participation, engagement, and enjoyment. Classroom discussions for students, providing real-world examples of local economic knowledge and how to make economic decisions. Solving problems, completing assignments, and working with graphs. Simulation-based learning, utilizing models or applications that simulate the market or consumer behavior. Participation in digital educational competitions that encourage interaction, attendance, and knowledge acquisition.
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Student Workload (SWL)

(15 Weekly)

Structured SWL (h/sem)	45	Structured SWL (h/w)	7
Unstructured SWL (h/sem)	75	Unstructured SWL (h/w)	3

Total SWL (h/sem)	120		

Module Evaluation					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	3	10% (10)	5, 10	LO #1, 2, 10 and 11
	Assignments	1	10% (10)	2, 12	LO # 3, 4, 6 and 7
	Projects / Lab.	0	10% (10)	Continuous	All
	Report	0	10% (10)	13	LO # 5, 8 and 10
Summative assessment	Midterm Exam	2 hr	10% (10)	7	LO # 1-7
	Final Exam	2hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)	
	Material Covered
Week 1	Chapter One: General Concepts
Week 2	Chapter Two: Consumer Behavior Theory: The Law of Demand, Demand Schedule and Demand Curve, Influencing Factors, Demand Function, Exceptions to the Law of Demand
Week 3	Price components of the order
Week 4	Chapter Three: Consumer Equilibrium: Total Utility, Marginal Utility, Law of Diminishing Utility
Week 5	Indifference curve theory, marginal replacement rate, price line

Week 6	Chapter Four: Supply: Its concept, the law of supply, the supply schedule, the supply curve, influencing factors, shifts in the supply curve, and the elasticity of supply.
Week 7	Exam
Week 8	Chapter Five: The General Framework for Determining Market Prices
Week 9	Chapter Six: Production: The concept of production, factors of production, the production function
Week 10	Chapter Seven: Costs and Revenues: The Concept of Production Costs, Their Types, Short-Term Costs
Week 11	Long-run costs, average cost curve, revenues
Week 12	Chapter Eight: Firm Equilibrium in Markets: Market Functions, Firm Equilibrium in a Perfectly Competitive Market
Week 13	Firm equilibrium in a monopoly, the relationship between price and marginal revenue and price elasticity of demand, firm equilibrium in an oligopoly market
Week 14	Chapter Nine: Distribution Theory
Week 15	Midterm Exam

Learning and Teaching Resources		
	Text	Available in the Library?
Required Texts	Principles of Microeconomics: Prof. Dr. Kamel Alawi, Prof. Dr. Hassan Latif	Yes
Recommended Texts	Principles of Microeconomic Analysis: Dr. Ezzat Qanawi	Available in a virtual library. Library link below.
Websites	https://t.me/+2a5C99QoI9cwZjI6	

Grading Scheme				
Group	Grade	Grade	Marks (%)	Definition
Success Group (50 - 100)	A - Excellent	A - Excellent	90 - 100	Outstanding Performance
	B - Very Good	B - Very Good	80 - 89	Above average with some errors
	C - Good	C - Good	70 - 79	Sound work with notable errors

	D - Satisfactory	D - Satisfactory	60 - 69	Fair but with major shortcomings
	E - Sufficient	E - Sufficient	50 - 59	Work meets minimum criteria
Fail Group (0 – 49)	FX – Fail	FX – Fail	(45-49)	More work required but credit awarded
	F – Fail	F – Fail	(0-44)	Considerable amount of work required

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

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information				
معلومات المادة الدراسية				
Module Title			Module Delivery	
Module Type	Core		☒ Theory ☐ Lecture ☐ Lab ☒ Tutorial ☐ Practical ☐ Seminar	
Module Code	MBF1101			
ECTS Credits	6			
SWL (hr/sem)	150			
Module Level	1	Semester of Delivery		1
Digital economy	MBF	College	UOMM	
Module Leader	Abeer tareef razak		e-mail	Arazak@uowasit.edu.iq
Module Leader's Acad. Title	Professor		Module Leader's Qualification	master
Module Tutor			e-mail	@uowasit.edu.iq
Peer Reviewer Name			e-mail	
Scientific Committee Approval Date			Version Number	

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module مواد ممهدة	لا يوجد	Semester	
Co-requisites module مواد مكملية	لا يوجد	Semester	

Module Aims, Learning Outcomes and Indicative Contents أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Objectives أهداف المادة الدراسية	1. To create a comprehensive general knowledge of all human rights. 2. To familiarize students with all their cultural, social, and political rights. 3. To introduce students to the most important international agreements concerning human rights. 4. To familiarize students with treaties and conventions that address human rights.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1. understanding Human Rights 2. Understanding the Types of Human Rights 3. Understanding Social, Cultural, and Social Rights 4. Defining Human Rights and Their Characteristics 5. Human Rights in Ancient Civilizations 6. Human Rights in the Modern Era 7. The Universal Declaration of Human Rights 8. Human Rights in the Middle Ages 9. The Islamic Perspective on 10. human Rights in the Quran and Sunnah 11. International Human Rights Conventions 12. Understanding and Defining Democracy 13. Types of Democracy 14. Key Experiences of Democracy in Various Countries 15. End-of-Course Exam
Indicative Contents المحتويات الإرشادية	1. Graduating individuals who have knowledge and culture regarding all matters

	related to human rights. 2. Helping the student realize the importance of their rights and duties. 3. Building a generation that believes in the importance of respecting human rights and adhering to laws and international customs.
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Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	1. Discussion groups 2. Scientific reports 3. Environmental assignments 4. Brainstorming method

Student Workload (SWL) الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعا			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	63	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	4
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	87	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	8
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	150		

تقييم المادة الدراسية

الوقت/العدد	الوزن (الدرجة)	الأسبوع المستحق	نتائج التعلم ذات الصلة	
2	20%(10)	2	15-1	الامتحانات اليومية (Quizzes)
1	5%(5)	-	جميعها	المهام (الواجبات المنزلية)
1	5%(5)	-	جميعها	المهام (الواجبات داخل الكلية)
-	-	-	-	المشاريع / المختبر
2	10%(5)	5، 10	جميعها	التقارير
-	-	-	-	حلقة دراسية
1 ساعة	10%(10)	13		امتحان منتصف الفصل الدراسي
3 ساعة	50%(50)	16		الامتحان النهائي
التقييم الإجمالي		100%(100 درجة)		

التقييم التكويني

التقييم التلخيصي

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	The Concept of Rights Second Month Exam Tests and Discussions Review of the Material
Week 2	Definition of Rights
Week 3	Types of International Rights
Week 4	Rights in Ancient Civilizations
Week 5	Human Rights in World Civilizations
Week 6	Human Rights in the Universal Declaration of Human Rights
Week 7	Characteristics of Human Rights
Week 8	First Month Exam
Week 9	Introduction to Democracy: Linguistically and Terminologically
Week 10	Democracy among the Greeks and Romans
Week 11	Types of Democracy

Week 12	Features of Democracy
Week 13	13-Second month exam
Week 14	14-Review the above
Week 15	15-Test and discussions
Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered
Week 1	
Week 2	
Week 3	
Week 4	
Week 5	
Week 6	
Week 7	

Learning and Teaching Resources مصادر التعلم والتدريسه		
	Text	Available in the Library?
Required Texts		yes
Recommended Texts	Scientific journals for financial studies and research that specialize in financial management.	yes
Websites		

Grading Scheme مخطط الدرجات				
Group	Grade	التقدير	Marks %	Definition
مجموعة النجاح Success Group (50 - 100)	A – Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 – 89	Above average with some errors
	C – Good	جيد	70 – 79	Sound work with notable errors

	D – Satisfactory	متوسط	60 – 69	Fair but with major shortcomings
	E – Sufficient	مقبول	50 – 59	Work meets minimum criteria
المجموعة الفاشلة Fail Group (0 – 49)	FX – Fail	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required

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

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	English language	Module Delivery	
Module Type		☒ Theory ☐ Lecture ☐ Lab ☐ Tutorial ☐ Practical ☐ Seminar	
Module Code			
ECTS Credits			
SWL (hr/sem)	30		
Module Level	1	Semester of Delivery	1
Administering Department	Digital Economics	College	College of Administration and Economics
Module Leader	Nagham Fadhil Hussain	e-mail	nahussain@uowasit.edu.iq
Module Leader's Acad. Title	Assistant Lecturer	Module Leader's Qualification	Asst. Lect.
Module Tutor	Name (if available)	e-mail	E-mail
Peer Reviewer Name	Name	e-mail	E-mail
Scientific Committee Approval Date		Version Number	1.0

Relation with other Modules

العلاقة مع المواد الدراسية الأخرى

Prerequisite module	English for beginner, where the student studies the basic English grammar, the simple sentence, and some simple tenses such as the simple present tense. In addition to learning some methods of dialogue such as greetings and introduction, and learning some scientific terms related to their scientific specialization.	Semester	Two
Co-requisites module	. English-pre intermediate, where you study English grammar tenses and prepositions and conjunction and question words in addition to the dual use of verbs and scientific terms within their scientific specialization	Semester	Two

Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

Module Aims أهداف المادة الدراسية	1. Acquiring general language skills. 2. Acquiring terms associated with the digital economy. 3. The ability to read and write. 4. Developing communication skills through interactive activities such as listening and speaking in English.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	. Reading and Writing Comprehension (Cognitive-Understanding & Applying) • Reading digital academic and economic texts and understanding key ideas and supporting details. • Writing summaries, short reports and academic correspondence using correct English. 2. Oral and listening skills (Communication – Listening & Speaking) • Understand lectures and conversations related to the digital economy. • Participate in class discussions and make short presentations in English. 3. Language and technical skills (Application & Analysis): • Accurately use digital economic and technical terminology in writing and conversation. • Analyze and interpret digital economic information and data in English. 4. Critical and problem-solving skills (Analysis & Evaluation) • Evaluate digital economic texts and summarize key points. • Apply language skills in solving academic problems associated with the digital economy. 5. Synthesis & Professional Skills: • Communicate effectively in an academic and professional environment using English. • Integrate linguistic knowledge with economic digital concepts to deliver clear and accurate content
Indicative Contents المحتويات الإرشادية	1. . • Review basic grammar, including tenses, conjunctions, adjectives and adverbs, to develop the ability to construct correct sentences. 2. • Expanding academic vocabulary with a focus on terminology related to the digital economy. 3. • Applying language skills in reading short texts and analyzing their basic ideas.

	4. • Reading medium-length digital academic and economic texts, understanding their content, and analyzing key ideas and supporting details. 5. • Apply language knowledge in digital academic, professional and economic contexts. 6. • Preparing and presenting short presentations, taking into account the use of the correct technical language. 7. • Writing short academic reports and official correspondence in English. 8. • Analyze and explain data and information in English
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Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	1. • Classroom Discussions: Motivate students to participate in group discussions on digital economic texts and academic articles 2. (Collaborative Learning): Divide students into groups to work on common tasks, such as preparing presentations or writing group reports 3. • Question-Based Learning: Use analytical and critical questions to understand texts and encourage critical thinking. 4. • Role-playing: Simulate digital professional or academic situations, such as meetings or economic discussions, to develop speaking and listening skills 5. Self-directed Learning: ○ Encourage students to read additional resources and research topics related to the course to increase independent learning and critical thinking skills. 6. (E-learning) ○ Use e-learning platforms to support the learning material, and make additional resources and materials available to students online. 7. Student Presentations: • Students prepare presentations on course topics to develop their communication and presentation skills. These strategies work together integrally to enhance students' academic and practical skills, and to ensure that they interact effectively and sustainably with the subject

Student Workload (SWL)

الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعا

Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	33	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	7
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	17	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	3
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	63		

Module Evaluation

تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	3	10% (10)	5, 10	LO #1, 2, 10 and 11
	Assignments	1	10% (10)	2, 12	LO # 3, 4, 6 and 7
	Projects / Lab.		10% (10)	Continuous	All
	Report		10% (10)	13	LO # 5, 8 and 10
Summative assessment	Midterm Exam	2 hr	10% (10)	7	LO # 1-7
	Final Exam	2hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	Unit one: Hello Acquire social manner, like introduction and greeting and how make simple sentence.
Week 2	Unit 2: your world Know his environment as some cities, the phone numbers and some scientific terms.
Week 3	Unit3: All about you Know some information's about his identity
Week 4	Unit4: family and friends Exercises and solutions Know how to use the possessives Review
Week 5	Unit 5: The way live Know some nationalities and countries, the present simple
Week 6	Unit 6: Every day Exercises and solutions Know how to arrange the times and preference Review
Week 7	Unit 7: My favorites How to use pronouns and the questions words
Week 8	EXAM
Week 9	Unit 8: Where I live Know house parts and furniture Write paragraph
Week 10	Unit 9: Times past Learn the past tense Scientific terms
Week 11	Unit 10: We had a great time Exercises and solutions Know the importance of doing homework and some sports Review
Week 12	Unit 11: I can do that Use the model verb can Write paragraphs
Week 13	Unit:12 Please and thank you The present continues tense How to use means of trans portion
Week 14	Unit 13: Here and now Unit 14: It's times to go Exercise and solution Express with full sentences about good manner Review
Week 15	EXAM
Week 16	Preparations for final exam

Learning and Teaching Resources		
مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	New Headway Pulse for Beginners, John and Liz Soars, Oxford	Yes
Recommended Texts		
Websites		

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

MODULE DESCRIPTION FORM

Module Information				
Module Title	Digital Management		Module Delivery	
Module Type			☐ Theory ✓ ☐ Lecture ☐ Lab ☐ Tutorial ✓ ☐ Practical ✓ ☐ Seminar	
Module Code				
ECTS Credits				
SWL (hr/sem)	150			
Module Level	UGx11 1	Semester of Delivery	2	
Administering Department	Digital Economics	College		
Module Leader		e-mail		
Module Leader's Acad. Title		Module Leader's Qualification		
Module Tutor		e-mail		
Peer Reviewer Name		e-mail		
Date of Scientific Committee Approval		Version Number	0.2	

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

Module Aims, Learning Outcomes and Indicative Contents

Module Objectives	The Digital Business Management course aims to enable students to: 1. Understand the basic concepts of business management and the roles of managers in traditional and digital contexts. 2. Analyses digital transformation in the business environment and its impact on planning, organization, leadership and control. 3. Apply digital tools and technologies that support management and decision-making processes. 4. Develop analytical thinking and managerial innovation skills in the digital economy. 5. Enhancing communication and teamwork skills using collaborative digital platforms and tools. 6. Instilling principles of ethics and digital responsibility in modern management practices.
Module Learning Outcomes	By the end of the course, students will be able to: 1. Explain the basic concepts of traditional business management (planning, organization, leadership, control, decision-making.) 2. analyze the impact of digital transformation on the business environment and operational models. 3. Apply digital tools in team management, communication, and project management, such as Microsoft Teams . 4. Understand the role of big data and artificial intelligence in supporting managerial decision-making. 5. Designing a simple digital action plan for a small project or start-up. 6. Evaluate companies' digital strategies from a managerial and economic perspective. 7. Demonstrate basic digital skills such as simple data analysis, collaboration via cloud platforms, and digital time management.
Indicative Contents	
Learning and Teaching Strategies	
Strategies	The learning and teaching strategies in the Digital Business Management course incorporate a mix of modern methods that promote active and applied learning, where project-based learning and collaborative learning are used to analyze real-life cases in digital management. in addition to problem-based learning, which gives students the ability to address management challenges using digital tools. The strategies also rely on interactive lectures supported by digital media, practical experiences using modern management and

	communication platforms, electronic brainstorming, self-directed learning that encourages students to research and explore knowledge, and management simulations that allow students to practice decision-making skills in virtual environments. The course also supports short formative assessment methods such as interactive electronic activities to enhance understanding, within a flexible blended learning framework that can be applied in person or remotely.
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Student Workload (SWL)			
The student workload is calculated for 15 weeks			
Structured SWL (h/sem) Regular student workload during the semester	60	Structured SWL (h/w) The student's regular study load per week	4
Unstructured SWL (h/sem) Student's irregular study load during the semester	87	Unstructured SWL (h/w) Student's irregular study load per week 5.8	5.8
Total SWL (h/sem) Student's total study load during the semester	150		

Module Evaluation					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Daily tests	14hr	10% (10)	5-10	introduction to digital management
	Assignments	15hr	10% (10)	3-12	Digital Resources
	Discussions and working groups	15hr	10% (10)	During the semester	
	Report	14hr	10% (10)	13	Digital Management in the Arab World
Summative assessment	Mid-term exam	2hr	10% (10)		
	Final exam	3hr	50% (50)		
Overall assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)

	Material Covered
Week 1	The concept of management, the importance of management, is management a science or an art, introduction to digital business management, the concept of digital management, the difference between traditional and digital management, exploring online collaboration tools.
Week 2	Managerial functions and management levels, new roles for digital managers (remote leadership, managing virtual teams(
Week 3	The evolution of management thought and digital transformation in management, the traditional school of management, the human relations school, the experimental school of management, the social systems school, the situational school of management, modern schools of management, the knowledge management school, digital management as a new school.
Week 4	Management Functions: Planning Function - Concept of Planning, Feasibility of Planning Function, Factors Affecting Planning, Planning and Management Levels, Planning Obstacles, Digital Strategic Planning, Digital Marketing Planning, Digital Urban Planning, Common Digital Planning Tools (Google Data Studio and Power BI.(
Week 5	Management Functions: The Function of Organization - The concept of organization, components of organization, types of organization, effective administrative organization, steps for designing an organisational structure, organisational structure and governance in digital organizations, digital governance.
Week 6	Decision-making: concept of decision-making, types of administrative decisions, steps in the decision-making process, skills required for effective decision-making, decision-making in a digital environment, Data-driven decision-making
Week 7	Digital transformation, concept, dimensions, challenges, and its impact on organizations, innovation and digital business models.
Week 8	Digital marketing and electronic relationship management, CRM tools, marketing analytics,
Week 9	Big data and management analysis, introduction to big data, its role in management, artificial intelligence in management (prediction, automation, AI-supported decision-making.(
Week 10	Introduction to ERP, the concept of ERP and its components, functional areas covered by ERP, the relationship between ERP and basic management concepts, practical applications on any free ERP software
Week 11	Exam
Week 12	Digital entrepreneurship, the concept of digital entrepreneurship, the importance of digital entrepreneurship in the modern era, the difference between traditional and digital entrepreneurship, elements of the digital environment for entrepreneurship, characteristics

	of a digital entrepreneur.
Week 13	Innovation and digital business models, the concept of innovation, the concept of digital business models, types of digital business models, the relationship between innovation and digital business models, steps for designing an innovative digital business model.
Week 14	Review
Week 15	Exam
Week 16	

Learning and Teaching Resources		
	Text	Available in the Library?
Required Texts	Laudon, K. C., & Laudon, J. P. (2022). <i>Management Information Systems: Managing the Digital Firm</i>. Pearson. Kotler, P., Kartajaya, H., & Setiawan, I. (2021). <i>Marketing 5.0: Technology for Humanity</i>. Wiley. Fundamentals of Business Management, Dr. Hisham Sabri Al-Bahiri Faculty of Commerce - Cairo University	no
Websites		

Grading Scheme				
Group	Grade	Assessment	Marks %	Definition
Success Group (50 - 100)	A - Excellent	Excellent	90 - 100	Amazing performance
	B - Very Good	Very Good	80 - 89	Above average with some errors
	C - Good	Good	70 - 79	Correct work with noticeable errors
	D - Satisfactory	Average	60 - 69	Fair but with significant flaws
	E - Sufficient	Acceptable	50 - 59	The work meets minimum standards
Fail Group (0 – 49)	FX – Fail	(Fail (under review	(45-49)	More work required but credit awarded
	F – Fail	Fail	(0-44)	Significant amount of work required

MODULE DESCRIPTION FORM

Module Information				
Module Title	Digital Accounting		Module Delivery	
Module Type			○ Theory ✓ ○ Lecture ○ Lab ○ Tutorial ✓ ○ Practical ✓ ○ Seminar	
Module Code				
ECTS Credits				
SWL (hr/sem)	150			
Module Level	1	Semester of Delivery		
Administering Department	Digital Economics	College		
Module Leader			e-mail	
Module Leader's Acad. Title			Module Leader's Qualification	
Module Tutor			e-mail	
Peer Reviewer Name			e-mail	
تاريخ موافقة اللجنة العلمية			Version Number	0.2

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

Module Aims, Learning Outcomes and Indicative Contents

Module Objectives	1. Understanding the concept and foundations of digital accounting and financial digital transformation. 2. Using digital accounting software such as QuickBooks and Manager.io. 3. Applying the principles of Accounting Information Systems (AIS) in a digital environment. 4. Analyzing financial data using digital analytical tools in Manager.io. 5. Preparing digital financial reports in accordance with the International Financial Reporting Standards (IFRS).
Module Learning Outcomes	1. Managing and efficiently operating digital accounting systems, including the use of digital accounting software such as QuickBooks and Manager.io. 2. Working with ERP systems (such as Manager.io). 3. Preparing interactive digital reports. 4. Demonstrating analytical thinking and making data-driven decisions.
Indicative Contents	
Learning and Teaching Strategies	
Strategies	Teaching in this course is based on the principles of competency-based learning and active learning, where the student actively participates in constructing their own knowledge through practice, analysis, and hands-on application using digital accounting software. This approach aims to shift the student from a passive receiver of information to an active participant, analyst, and developer of digital accounting solutions.

Student Workload (SWL)			
Structured SWL (h/sem)	60	Structured SWL (h/w)	4
Unstructured SWL (h/sem)	87	Unstructured SWL (h/w)	5.8
Total SWL (h/sem)	150		

Module Evaluation					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Daily quizzes	14hr	10% (10)	5-10	Introduction to Digital Management
	Assignments and tasks	15hr	10% (10)	3-12	Digital Resources
	Discussions and teamwork	15hr	10% (10)	During the semester	
	Report	14hr	10% (10)	13	Digital Management in the Arab World
Summative assessment	Midterm exam	2hr	10% (10)		
	Final exam	3hr	50% (50)		
Overall Assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)

	Material Covered
Week 1	Digital Accounting :- Concept and Theoretical Foundations, Benefits and Challenges in Implementing Digital Accounting
Week 2	A comparison between traditional accounting systems and digital accounting systems, and the core competencies required of accountants in the digital environment.
Week 3	Overview of Modern Digital Accounting Software :- (such as Tally Prime, Zoho Books, QuickBooks, Manager.io, Spreadsheet): 1- Installation / 2- User Interface / 3- Initial Configuration Note: The Manager.io software will be adopted as it supports the Arabic language and is available free of charge.
Week 4	Introduction to Manager.io :- An overview of the software, its main interface, key features compared with other accounting systems, methods of downloading and installing the software (desktop version / cloud version / server edition), the essential components of the user interface, and how to create a new account and set up an accounting project.
Week 5	Initial Setup:- Creating a new business (Add New Business), defining the company name, country, and base currency, entering business details, configuring language, date, time, and number formats, and performing data backup and restoration.
Week 6	Account Structure:- The concept of the chart of accounts, creating and classifying accounts (assets – liabilities – equity – revenues – expenses), modifying existing accounts, and adding sub-accounts.
Week 7	Tabs Customization and Activation: - Explaining the importance of the four main tabs and how to activate the operational tabs needed for accounting functions.
Week 8	Chart of Accounts (COA): - Understanding the components of the chart of accounts (assets, liabilities, equity, revenues, expenses) and how to design it effectively.
Week 9	Bank and Cash Accounts Setup: - Creating bank and cash accounts, enabling them, and tracking pending or outstanding transactions.
Week 10	Starting Balances:- Entering opening balances for ledger accounts (excluding customers, suppliers, and inventory at this stage).
Week 11	Posting Opening Balances for Customers and Suppliers: - Recording outstanding sales and purchase invoices to establish accounts receivable and accounts payable balances.
Week 12	Receipts and Payments:- Recording cash revenues and expenses (cash sales/purchases) and allocating them to the appropriate accounts.
Week 13	Credit Sales Invoices:- Recording credit sales transactions, selecting the customer, and handling sales tax (Tax Codes).
Week 14	Journal Entries:- Using journal entries to record non-cash adjustments such as profit closing, account reconciliations, and other financial adjustments.
Week 15	Exam

Learning and Teaching Resources				
	Text		Available in the Library?	
Required Texts	Chatterjee, P. (2021). <i>Fundamentals of accounting software (TallyPrime)</i> . Dreamtech Press. • Gelinas, U. J., Dull, R. B., & Wheeler, P. R. (2018). <i>Accounting information systems</i> (11th ed.). Cengage Learning. • Romney, M. B., & Steinbart, P. J. (2021). <i>Accounting information systems</i> (15th ed.). Pearson. • Saini, R. K. (2022). <i>GST and digital compliance: A practical guide</i> . Taxmann Publications. • Turner, L., & Weickgenannt, A. (2020). <i>Accounting information systems: Controls and processes</i> (3rd ed.). Wiley. • Warren, C. S., Reeve, J. M., & Duchac, J. E. (2018). <i>Financial accounting</i> (27th ed.). Cengage Learning.		No	
	Websites / Online Resources			
		https://www.manager.io/guides		
Grading Scheme				
Group	Grade	التقدير	Marks %	Definition
Success Group (50 - 100)	A – Excellent	Excellent	90 - 100	Outstanding Performance
	B - Very Good	Very Good	80 - 89	Above average with some errors
	C – Good	Good	70 - 79	Good work with noticeable errors
	D - Satisfactory	Intermediate / Average	60 - 69	Fair but with significant deficiencies
	E - Sufficient	Pass	50 - 59	Work meets the minimum standards
Fail Group (0 – 49)	FX – Fail	Fail (In Progress)	(45-49)	More work is required, but credit is granted
	F – Fail	Fail	(0-44)	A substantial amount of work is required
.				

MODULE DESCRIPTION FORM

Module Information			
Module Title	Statistics		Module Delivery
Module Type			☐ Theory ✓ ☐ Lecture ☐ Lab ☐ Tutorial ✓ ☐ Practical ✓ ☐ Seminar
Module Code			
ECTS Credits			
SWL (hr/sem)	150		
Module Level		Semester of Delivery	2
Administering Department	Statistics	College	
Module Leader		e-mail	anaecm@uowasit.edu.iq
Module Leader's Acad. Title		Module Leader's Qualification	
Module Tutor		e-mail	
Peer Reviewer Name		e-mail	
Date of Scientific Committee Approval		Version Number	0.2

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

Module Aims, Learning Outcomes and Indicative Contents	
Module Objectives	The course aims to: 1- Provide first-year students with a clear understanding of the subject matter. 2- Introduce the concepts of measures of central tendency and measures of dispersion. 3- Define and explain regression. 4- Define and explain correlation. 5- Enable students to apply statistical methods using SPSS software.
Module Learning Outcomes	the student will benefit from the following learning outcomes: 1. Clarification of the concept of statistics and statistical methods with practical application 2. Explanation of the specific characteristics of statistical methods 3. Explanation of scientific examples 4. Practical application of the software
Indicative Contents	
Learning and Teaching Strategies	
Strategies	Problem-based learning: Presenting a real-world problem (such as improving product quality) and collecting and analyzing real data to solve it, thus connecting statistics to real-world applications. Flipped learning: Dedicating in-person time to solving exercises and discussions, while students watch short videos explaining concepts (such as the mean and mode) before the lecture. Interactive statistical software: Teaching students how to use SPSS during the lecture, allowing them to immediately connect theory to practical application. Collaborative learning: Small groups working to solve various statistical problems (such as calculating measures of dispersion from scattered data), which fosters shared understanding.

Student Workload (SWL)			
The student workload is calculated for 15 weeks			
Structured SWL (h/sem) Regular student workload during the semester	45	Structured SWL (h/w) The student's regular study load per week	3
Unstructured SWL (h/sem) Student's irregular study load during the semester		Unstructured SWL (h/w) Student's irregular study load per week 5.8	
Total SWL (h/sem) Student's total study load during the semester	45		

Module Evaluation					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Daily tests	14hr	10% (10)	5-10	The concept of statistics
	Assignments	15hr	10% (10)	3-12	Statistical methods
	Discussions and working groups	15hr	10% (10)	During the semester	
	Report	14hr	10% (10)	13	The relationship between statistics and numerical data
Summative assessment	Mid-term exam	2hr	10% (10)		
	Final exam	3hr	50% (50)		
Overall assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)	
	Material Covered
Week 1	Basic Concepts of Statistics: Definition of Statistics, Its Importance
Week 2	Statistical Forms (Questionnaires)
Week 3	Nature of Statistical Data, Data Collection Methods
Week 4	Data Collection Tools, Sampling Methods and Types
Week 5	Data Classification and Tabulation

Week 6	Random Variables and Data Presentation Methods
Week 7	Measures of Central Tendency: Concept and Importance with Practical Application in SPSS
Week 8	Meaning, Median, and Mode for Grouped Data with Practical Application in SPSS
Week 9	Meaning, Median, and Mode for Ungrouped Data with Practical Application in SPSS
Week 10	Exam
Week 11	Measures of Dispersion: Concept and Importance
Week 12	Range, Standard Deviation, and Variance for Grouped Data with Practical Application in SPSS
Week 13	Range, Standard Deviation, and Variance for Ungrouped Data with Practical Application in SPSS
Week 14	Simple and Multiple Linear Regression, Correlation with Practical Application in SPSS
Week 15	Exam

Learning and Teaching Resources		
	Text	Available in the Library?
Required Texts	1- Principles of Applied Statistics, Professor Dr. Raad Fadhil Hassan Al-Tamimi, Baghdad, 2014 2- Principles of Statistics (Mahmoud Al-Mashhadani) 3- Applied Statistics, Khashaa Al-Rawi	yes
Websites		

Grading Scheme				
Group	Grade	Assessment	Marks %	Definition
Success Group (50 - 100)	A - Excellent	Excellent	90 - 100	Amazing performance
	B - Very Good	Very Good	80 - 89	Above average with some errors
	C - Good	Good	70 - 79	Correct work with noticeable errors
	D - Satisfactory	Average	60 - 69	Fair but with significant flaws
	E - Sufficient	Acceptable	50 - 59	The work meets minimum standards
Fail Group (0 - 49)	FX – Fail	(Fail (under review	(45-49)	More work required but credit awarded
	F – Fail	Fail	(0-44)	Significant amount of work required



MODULE DESCRIPTION FORM

Module Information				
Module Title	Computer Principles		Module Delivery	
Module Type	Theory + Practical		☒ Theory ☒ Lecture ☒ Lab ☒ Tutorial ☒ Practical ☐ Seminar	
Module Code				
ECTS Credits	4			
SWL (hr/sem)	30			
Module Level	1	Semester of Delivery	1	
Administering Department	Department of Digital Economy	College	College of Administration and Economics	
Module Leader	Dhu al-Faqar Hamid abd Anmar Hani Abdul Amir		e-mail	
Module Leader's Acad. Title	Assistant Teacher	Module Leader's Qualification	Asst.Lect.	
Module Tutor	Name (if available)		e-mail	
Peer Reviewer Name		e-mail	anmarhani27@gmail.com	
Scientific Committee Approval Date	8/3/2026	Version Number	1.0	

Relation with other Modules			
Relation to Mathematics	Computer science is closely related to mathematics, as many fundamental computing concepts rely on arithmetic and logical operations, which are essential components of mathematics. Mathematics is used in algorithm design, data processing, and operations within the central processing unit. Computer skills also help in applying mathematical concepts through software tools for performing calculations, analyzing data, and graphical representation, which enhances students' understanding of mathematical subjects. In the field of digital economy, this relationship becomes more significant through the use of computers in statistics, quantitative analysis, and mathematical modeling, making computer science an essential supporting tool for studying mathematics and its practical applications.	Semester	1
Relation to Statistics	Computer science is strongly linked to statistics, as computers are essential tools for collecting, organizing, analyzing data, and extracting statistical results accurately and efficiently. Computer applications support various statistical operations such as calculating means, standard deviation, and data analysis. Computer skills also enable students to use applications for data entry, table creation, and graphical representation, simplifying statistical concepts and presenting them clearly. In the digital economy field, computers play a major role in supporting statistical analysis and data-driven decision making, making computer science a complementary and essential subject for understanding and applying statistics effectively.	Semester	

Module Aims, Learning Outcomes and Indicative Contents	
Module Aims	1. Introduce students to basic computer and information technology concepts. 2. Develop students' skills in using computers and basic software applications. 3. Enable students to understand hardware and software components and how they function. 4. Enhance students' ability to prepare academic reports and research using computers. 5. Develop file management and operating system skills. 6. Link computer usage with applications in digital economy and data analysis. 7. Prepare students to use computers as an essential tool in academic and professional life.

Module Learning Outcomes	1. Knowledge Domain Define the computer and explain its main components. Explain the computer processing cycle (input, processing, output, storage). Distinguish between hardware and software. Explain the functions and importance of the operating system. 2. Practical Domain Use Microsoft Word 2010 to create and format documents. Enter and process text correctly. Manage files and folders using the operating system. Efficient use of input and output devices.
Indicative Contents	• Introduction to computers • Types of computers • Computer components (Hardware & Software) • Computer processing cycle • Input and output devices • CPU (Central Processing Unit) • Storage units (RAM, ROM, HDD, SSD, USB) • Operating system and its functions • Introduction to Microsoft Word 2010 • Text entry and formatting • Creating, saving, and printing documents

Learning and Teaching Strategies

Strategies	Teaching and Learning Strategies Lectures using presentations and examples • Practical laboratory sessions (Microsoft Word 2010) • Interactive classroom discussions • Self-learning through digital resources • Problem-solving activities • Group work and collaborative tasks • Use of educational tools (projector, computers, software)
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Student Workload (SWL)

الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعا

Structured SWL (h/sem)		Structured SWL (h/w)	
Regular academic workload for the student during the semester	45	Student's regular weekly study load	7

Unstructured SWL (h/sem) Irregular student workload during the semester	75	Unstructured SWL (h/w) Irregular weekly study load for the student	3
Total SWL (h/sem) The student's total academic workload during the semester	120		

Module Evaluation					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	3	10% (10)	5, 10	LO# 1,2
	Assignments	1	10% (10)	2, 12	LO# 3,4
	Projects / Lab.	0	10% (10)	Continuous	LO3, LO4
	Report	0	10% (10)	13	LO5
Summative assessment	Midterm Exam	2 hr	10% (10)	7	LO1, LO2, LO3
	Final Exam	2hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)	
	Material Covered
Week 1	Introduction to computers
Week 2	Types of computers
Week 3	Hardware & Software
Week 4	Input & output devices
Week 5	CPU
Week 6	RAM & ROM
Week 7	Storage devices
Week 8	Midterm exam
Week 9	Operating system
Week 10	File management
Week 11	Application software
Week 12	Microsoft Word interface
Week 13	Text formatting
Week 14	Images, tables, printing
Week 15	Revision + Final exam

Learning and Teaching Resources

	Text	Available in the Library?
Required Texts	• Computer fundamentals notes prepared by lecturer • Lecture notes provided during semester	Yes
Recommended Texts	• Computer Skills books • Microsoft Office guides • Information Technology basics references • Online learning platforms	Available in a virtual library. Library link below.
Websites		

Grading Scheme

مخطط الدرجات

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

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	Financial mathematics		Module Delivery
Module Type			☐ Theory ✓ ☐ Lecture ☐ Lab ☐ Tutorial ✓ ☐ Practical ✓ ☐ Seminar
Module Code			
ECTS Credits			
SWL (hr/sem)	150		
Module Level	1	Semester of Delivery	
Administering Department	Digital Economics	College	
Module Leader		e-mail	
Module Leader's Acad. Title		Module Leader's Qualification	
Module Tutor		e-mail	
Peer Reviewer Name		e-mail	
تاريخ موافقة اللجنة العلمية		Version Number	0.2

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

Module Aims, Learning Outcomes and Indicative Contents أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Objectives أهداف المادة الدراسية	• Develop understanding of the time value of money and its applications • Introduce key mathematical tools used in finance and investment analysis • Build skills in evaluating financial products such as loans, bonds, and annuities • Provide a foundation for advanced topics like derivatives and risk management • Enable students to apply mathematical reasoning to real-world financial problems
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1. Explain and apply the concept of the time value of money, including interest and discounting. 2. Calculate present and future values of cash flows using appropriate financial formulas. 3. Analyze and evaluate financial instruments such as annuities, loans, and bonds. 4. Apply mathematical techniques to solve practical financial problems and investment decisions. 5. Interpret and communicate financial results clearly using numerical and analytical methods.
Indicative Contents المحتويات الإرشادية	
Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	The module adopts a blended learning approach that combines lectures, tutorials, practical sessions, and independent study to develop both theoretical understanding and practical skills in financial mathematics. Lectures introduce key concepts such as the time value of money, interest rates, and financial instruments through clear explanations and worked examples, while tutorials focus on problem-solving and encourage active student participation in tackling numerical and exam-style questions. Practical sessions make use of tools such as Microsoft Excel to apply financial formulas to real-world scenarios like loan repayments and investment analysis. Students are also expected to engage in independent study by reviewing materials and practicing additional exercises. Continuous formative assessment, including quizzes and assignments, provides regular feedback, while case studies and collaborative activities help students apply concepts to real-life financial situations and enhance critical thinking and communication skills.

Student Workload (SWL)			
الحمل الدراسي للطلاب محسوب لـ ١٥ أسبوعا			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطلاب خلال الفصل	60	Structured SWL (h/w) الحمل الدراسي المنتظم للطلاب أسبوعيا	4
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطلاب خلال الفصل	87	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطلاب أسبوعيا	5.8
Total SWL (h/sem) الحمل الدراسي الكلي للطلاب خلال الفصل	150		

Module Evaluation					
تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	الامتحانات اليومية	14hr	10% (10)	5-10	مدخل إلى الإدارة الرقمية
	المهام الواجبات	15hr	10% (10)	3-12	الموارد الرقمية
	المناقشات وفرق العمل	15hr	10% (10)	اثناء الفصل الدراسي	
	التقرير	14hr	10% (10)	13	الإدارة الرقمية في العالم العربي
Summative assessment	اختبار نصف الفصل	2hr	10% (10)		
	الامتحان النهائي	3hr	50% (50)		
التقييم الإجمالي			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	
	Material Covered
Week 1	Determinants
Week 2	Matrices
Week 3	Fundamentals of Probability Theory
Week 4	Binomial Distribution in Probability
Week 5	Probability and Quality Control
Week 6	Probability and Managerial Decision-Making
Week 7	Commercial Applications of Functions
Week 8	Commercial Applications of Differentiation
Week 9	Commercial Applications of Integration
Week 10	Exam
Week 11	Introduction to Linear Programming
Week 12	Graphic Methods for Solving Linear Programming Problems
Week 13	Simplicity Methods for Solving Linear Programming Problems (Maximization)
Week 14	Simplicity Methods for Solving Linear Programming Problems (Minimization)
Week 15	<u>Exam</u>
Week 16	

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
النصوص المطلوبة	Laudon, K. C., & Laudon, J. P. (2022). <i>Management Information Systems: Managing the Digital Firm</i> . Pearson. Kotler, P., Kartajaya, H., & Setiawan, I. (2021). <i>Marketing 5.0: Technology for Humanity</i> . Wiley. أساسيات إدارة الأعمال، الدكتور هشام صبري البحيري كلية التجارة جامعة القاهرة	لا

المواقع الإلكترونية	
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Grading Scheme مخطط الدرجات				
Group	Grade	التقدير	Marks %	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	أداء مذهل
	B - Very Good	جيد جدا	80 - 89	فوق المتوسط مع بعض الأخطاء
	C - Good	جيد	70 - 79	عمل سليم مع وجود أخطاء ملحوظة
	D - Satisfactory	متوسط	60 - 69	عادلة ولكن مع عيوب كبيرة
	E - Sufficient	مقبول	50 - 59	العمل يلبي الحد الأدنى من المعايير
Fail Group (0 – 49)	FX – Fail	راسب (قيد المعالجة)	(45-49)	مطلوب المزيد من العمل ولكن تم منح الائتمان
	F – Fail	راسب	(0-44)	كمية كبيرة من العمل المطلوب
.				

MODULE DESCRIPTION FORM

Module Information				
Module Title	Arabic		Module Delivery	
Module Type	Suport		☒ Theory	
Module Code	Un125			
ECTS Credits	2			
SWL (hr/sem)	50			
Module Level	2	Semester of Delivery	1	
Administering Department	Statistics	College	Administration and Economics	
Module Leader	Saif Al-Din Nasser Khazal		e-mail	skhazaal@uowasit.edu.iq
Module Leader's Acad. Title	Lecture	Module Leader's Qualification	Ph.D	
Module Tutor		e-mail		
Peer Reviewer Name		e-mail		
Scientific Committee Approval Date	1/11/2025	Version Number	1.0	

Relation with other Modules			
Prerequisite module	Nothing that helps in learning Arabic helps in developing reading and writing skills.	Semester	none

Module Aims, Learning Outcomes and Indicative Contents	
Module Aims	1. Developing students' language skills and enabling them to express their ideas and projects fluently in Arabic. 2. Encouraging students to avoid using colloquial Arabic or non-Arabic words. 3- Writing reports and articles in Arabic in a fluent, accurate, and organized manner. 4- Using Arabic grammar correctly, as language is the primary tool for communication within society. 5- Reading and understanding academic texts in Arabic. 6- Developing students' ability to perform and submit tasks on time.
Module Learning Outcomes	Upon completion of this course, students will be able to: 1. Read, write, and speak Arabic fluently. 2. Use Arabic to communicate effectively in academic and 3- To become familiar with linguistic and literary expressions. 4- To demonstrate an understanding of the importance of Arabic language skills for success in engineering. 5- To apply critical thinking and problem-solving skills in real-world situations. 6- To contribute to increasing students' knowledge of how to prepare scientific reports.
Indicative Contents	Grammar (12 hours) Spelling (8 hours) Literature (6 hours) General Skills (4 hours)

Learning and Teaching Strategies	
Strategies	1. Theoretical lectures are delivered, and the most important information is identified by extracting key words and ideas.

	2. Students are given opportunities to produce language and receive direct feedback to improve their language skills 1.
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Student Workload (SWL)			
Structured SWL (h/sem)	33	Structured SWL (h/w)	2
Unstructured SWL (h/sem)	17	Unstructured SWL (h/w)	0
Total SWL (h/sem)	50		

Module Evaluation					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	10	10% (10)	5, 10	LO #1, 2, 10 and 11
	Home Works	10	10% (10)	2, 12	LO # 3, 4, 6 and 7
	(online+onsite)	10	10% (10)	continuous	All
	Report	10	10% (10)	13	LO # 5, 8 and 10
Summative assessment	Midterm Exam	2hr	10% (10)	7	LO # 1-7
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)	
	Material Covered
Week 1-2	The importance of language, and Arabic in particular, and the reasons for teaching Arabic.
Week 3-4	Calligraphy, its history and development, Arabic script, its types, and the stages of its dotting and development.
Week 5	Surah Al-Kahf (The Blessed Cave)
Week 6	Abbasid-era poet - Di'bil al-Khuza'i

Week 7	The poet Muhammad Mahdi al-Jawahiri
Week 8	The poet Badr Shakir al-Sayyab
Week 9	Parts of speech in Arabic
Week 10	exam
Week 11	The upright alif and the short alif / Sun letters and moon letters
Week 12	The difference between ظ and ض
Week-13	Plurals in Arabic
Week 14	Number and counted noun
Week 15	Common linguistic errors
Week 16	Reviews

Learning and Teaching Resources		
	Text	Available in the Library?
Required Texts	1. Ibn Aqil's commentary on Ibn Malik's Alfiyyah, edited by Muhyi al-Din Abd al-Hamid. 2. Studies in Pre-Islamic Arab History, by Muhammad Bayumi Mahran The Book of Poetry and Poets, by Ibn Qutaybah al-Dinawari Dr. Shawky Daif.	Yes
Recommended Texts	Explanation of Ibn Aqil and other grammatical methodological books.	Yes
Websites		

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

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

Description
Developing students' language skills and enabling them to express their ideas and projects fluently in Arabic, encouraging students to avoid using colloquial Arabic or non-Arabic words, writing reports and articles in Arabic in a fluent, accurate, and organized manner, Using Arabic grammar correctly, as language is the primary tool for communication within society, Reading and understanding academic texts in Arabic, developing students' ability to perform and submit tasks on time.

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information معلومات المادة الدراسية				
Module Title	Readings in Digital Economics		Module Delivery	
Module Type			☐ Theory ✓ ☐ Lecture ☐ Lab ☐ Tutorial ✓ ☐ Practical ✓ ☐ Seminar	
Module Code				
ECTS Credits				
SWL (hr/sem)	150			
Module Level	1	Semester of Delivery		2
Administering Department	Digital Economics	College	College of Administration and Economics	
Module Leader	Assistant Professor Dr.Alaa Mahdi		e-mail	alaamsahi@uowasit.edu.iq
Module Leader's Acad. Title			Module Leader's Qualification	Ph.D
Module Tutor	Assistant Professor Dr.Alaa Mahdi		e-mail	alaamsahi@uowasit.edu.iq
Peer Reviewer Name			e-mail	
تاريخ موافقة اللجنة العلمية			Version Number	0.2

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

Module Aims, Learning Outcomes and Indicative Contents أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Objectives أهداف المادة الدراسية	1. To introduce students to the core concepts and terminology of digital economics 2. To develop a structured understanding of digital markets, platforms, and data-driven business models 3. To enable students to critically engage with academic and policy debates in digital economics 4. To build the ability to apply theoretical concepts to real-world digital environments 5. To strengthen analytical skills through the systematic use of economic vocabulary
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1. Define and explain key terms and concepts in digital economics 2. Interpret and analyze the structure and behavior of digital markets 3. Evaluate the role of platforms, data, and algorithms in economic activity 4. Apply digital economics concepts to real-world case studies (e.g., platforms, AI systems, blockchain) 5. Critically assess regulatory and policy issues in digital markets 6. Construct clear, well-structured arguments using appropriate terminology
Indicative Contents المحتويات الإرشادية	
Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	The module uses a student-centered approach that combines lectures, guided readings, and seminars to build a strong understanding of key digital economics concepts and terminology. Lectures introduce core ideas, while reading sessions and discussions develop critical thinking and interpretation skills. Students engage in term-based exercises and case studies to apply concepts to real-world digital markets. Interactive tools and independent study support continuous learning, and regular formative feedback helps improve conceptual clarity and academic skills, preparing students for assessments and practical application.

Student Workload (SWL) الحمل الدراسي للطلاب محسوب لـ ١٥ أسبوعاً
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Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	60	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	4
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	87	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	5.8
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	150		

Module Evaluation تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	الامتحانات اليومية	14hr	10% (10)	5-10	مدخل إلى الإدارة الرقمية
	المهام الواجبات	15hr	10% (10)	3-12	الموارد الرقمية
	المناقشات وفرق العمل	15hr	10% (10)	اثناء الفصل الدراسي	
	التقرير	14hr	10% (10)	13	الإدارة الرقمية في العالم العربي
Summative assessment	اختبار نصف الفصل	2hr	10% (10)		
	الامتحان النهائي	3hr	50% (50)		
التقييم الإجمالي			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	
	Material Covered
Week 1	Digital Economy Digitization Digitalization Information Goods Marginal Cost (Digital) Scalability non-rivalry non-excludability
Week 2	Dynamic Pricing Freemium Model Versioning Price Discrimination Bundling Switching Costs Lock-in Effect Two-Part Tariff
Week 3	Network Effects Direct Network Effects Indirect Network Effects Critical Mass Positive Feedback Loop Network Externality Tipping Point Interoperability
Week 4	Platform Economy Multi-sided Market Platform Governance Platform Envelopment Cross-side Network Effects Platform Competition Disintermediation Reintermediation
Week 5	Data Economy Big Data Datafication Data Ownership Data Monetization Data Externalities Privacy Trade-off Data Asymmetry
Week 6	Algorithmic Pricing Machine Learning AI Externalities Automation Bias in AI Prediction Markets Data Network Effects Algorithmic Collusion
Week 7	Gig Economy Platform Labor Crowdsourcing Microwork Labor Flexibility Precarity Digital Taylorism Reputation Systems
Week 8	E-commerce Marketplace Platform Long Tail Fulfillment Logistics Cross-border Trade Digital Payments Customer Acquisition Cost Conversion Rate
Week 9	Blockchain Cryptocurrency Tokenization Smart Contracts Decentralization Consensus Mechanism Mining DeFi (Decentralized Finance)
Week 10	Digital Divide Access Inequality Skill Gap Platform Inclusion ICT Development Digital Literacy Economic Inclusion Infrastructure Gap
Week 11	Metaverse Web3 Digital Twins Quantum Computing Automation Economy AI Governance Synthetic Data Edge Computing
Week 12	Ecosystem Strategy Digital Transformation Value Creation (Digital) Value Capture Platform Ecosystem Strategic Complementarities Digital Governance Economic Sustainability
Week 13	EXAM
Week 14	Startup Ecosystem Venture Capital Disruptive Innovation Lean Startup Network Scaling Minimum Viable Product (MVP) Innovation Spillovers Unicorn
Week 15	Ad Auction Cost Per Click (CPC) Programmatic Advertising Targeted Advertising Attention Economy Impression Click-through Rate (CTR) Ad Tech Stack
Week 16	EXAM

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
النصوص المطلوبة	Dhasmana, S., & Dhasmana, P. (2025). Digital economy: Economics in the age of technology and innovation. Booksclinic Publishing.	لا
المواقع الإلكترونية		

Grading Scheme مخطط الدرجات				
Group	Grade	التقدير	Marks %	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	أداء مذهل
	B - Very Good	جيد جدا	80 - 89	فوق المتوسط مع بعض الأخطاء
	C - Good	جيد	70 - 79	عمل سليم مع وجود أخطاء ملحوظة
	D - Satisfactory	متوسط	60 - 69	عادلة ولكن مع عيوب كبيرة
	E - Sufficient	مقبول	50 - 59	العمل يلبي الحد الأدنى من المعايير
Fail Group (0 - 49)	FX – Fail	راسب (قيد المعالجة)	(45-49)	مطلوب المزيد من العمل ولكن تم منح الائتمان
	F – Fail	راسب	(0-44)	كمية كبيرة من العمل المطلوب
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MODULE DESCRIPTION FORM

MODULE DESCRIPTION FORM

Module Information			
Module Title	Principles of Macroeconomics		Module Delivery
Module Type			☒ Theory ☐ Lecture ☐ Lab ☐ Tutorial ☐ Practical ☐ Seminar
Module Code			
ECTS Credits	4		
SWL (hr/sem)	30		
Module Level	UGx11 1	Semester of Delivery	1
Administering Department	Department of Digital Economy	College	College of Administration and Economics
Module Leader	Asst. Prof. Dr. Hayat Jumaa Mohammed	e-mail	
Module Leader's Acad. Title	Assistant Lecturer	Module Leader's Qualification	Asst.Lect.
Module Tutor	Name (if available)	e-mail	
Peer Reviewer Name		e-mail	E-mail hjumaah@uowasit.edu.iq
Scientific Committee Approval Date	8/3/2026	Version Number	1.0

Relation with other Modules			
Relation with	Macroeconomics relies on mathematical and statistical	Semester	1

Mathematics	methods to analyze relationships between macroeconomic variables such as Gross Domestic Product (GDP), inflation, unemployment, and interest rates. Mathematics helps in building economic models, analyzing economic policies, and forecasting economic changes.		
Relation with Economic Policy	Macroeconomics is closely related to economic policy. It analyzes the impact of fiscal and monetary policies on the national economy and contributes to designing appropriate policies to achieve economic stability, economic growth, and development.	Semester	

Module Aims, Learning Outcomes and Indicative Contents			
Module Aims	1. Introducing students to the basic concepts of macroeconomics such as GDP, inflation, unemployment, and economic growth. 2. Understanding how the macroeconomy works and analyzing the performance of the national economy. 3. Studying economic policies used by governments to achieve economic stability. 4. Analyzing the role of fiscal and monetary policy in addressing economic problems. 5. Enabling students to understand and interpret economic indicators.		
Module Learning Outcomes	Students should be able to: - Understand fundamental macroeconomic concepts. - Interpret indicators such as inflation, unemployment, and GDP. - Analyze causes of macroeconomic problems.		
Indicative Contents	1. Introduction to basic macroeconomic concepts. 2. Reading and analyzing economic indicators. 3. Using graphs to analyze economic relationships. 4. Linking economic concepts with the economic reality of Iraq. 5. Using electronic resources and academic references in studying macroeconomics.		

Learning and Teaching Strategies	
Strategies	The course relies on several teaching methods including: 1. Theoretical lectures. 2. Classroom discussions. 3. Analysis of real examples from the Iraqi economy. 4. Using graphs and economic models. 5. Digital learning and modern educational tools.

Student Workload (SWL)			
Structured SWL (h/sem)	45	Structured SWL (h/w)	7
Unstructured SWL (h/sem)	75	Unstructured SWL (h/w)	3
Total SWL (h/sem)	120		

Module Evaluation					
As		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	3	10% (10)	5, 10	LO #1, 2, 10 and 11
	Assignments	1	10% (10)	2, 12	LO # 3, 4, 6 and 7
	Projects / Lab.	0	10% (10)	Continuous	All
	Report	0	10% (10)	13	LO # 5, 8 and 10
Summative assessment	Midterm Exam	2 hr	10% (10)	7	LO # 1-7
	Final Exam	2hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)	
Week	Material Covered
Week 1	Introduction to Macroeconomics and the difference between macroeconomics and microeconomics.
Week 2	Gross Domestic Product (GDP): concept and measurement.
Week 3	Nominal and Real GDP and the base year.
Week 4	Economic growth and economic development.
Week 5	Unemployment: concept, types and causes.
Week 6	Inflation: concept, types, causes and measurement.
Week 7	Midterm Exam.
Week 8	Fiscal policy: government spending and taxation.
Week 9	Government budget, deficit and public debt.
Week 10	Monetary policy and the role of the central bank.

Week 11	Interest rate and its role in economic activity.
Week 12	Money and the banking sector.
Week 13	Balance of Payments and its components.
Week 14	Exchange rate and exchange rate systems.
Week 15	General review of the course.

Learning and Teaching Resources		
	Text	Available in the Library?
Required Texts	Principles of Macroeconomics Dr. Hamid Jassim Abdul Karim Al-Jumaili Available in the Library	
Recommended Texts	Principles of Macroeconomic Analysis Dr. Khaled Wasif Al-Wazani Available in the Virtual Library	
Websites	International Monetary Fund (IMF) – https://www.imf.org World Bank – https://www.worldbank.org Central Bank of Iraq – https://cbi.iq	

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