



وزارة التعليم العالي والبحث العلمي

جهاز الإشراف والتقويم العلمي

دائرة ضمان الجودة والاعتماد الأكاديمي

استمارة وصف البرنامج الأكاديمي للكليات والمعاهد

الجامعة : واسط

الكلية/ المعهد: كلية علوم الحاسوب وتكنولوجيا المعلومات

القسم العلمي : الامن السيبراني

تاريخ ملء الملف : 2025/10/1

التوقيع :

اسم المعاون العلمي : د. أ. م. ع. ك. م.

التاريخ : ١٧/١/٢٠٢٥

التوقيع:

الاستاذ المساعد الدكتور

اسم رئیس القسم : ریاض زهیف نوری

التاريخ : رئيس قسم الامن الميبراني

2. 20/17/1

دقق الملف من قبل علاء محمد فرسان

شعبة ضمان الجودة والأداء الجامعي

اسم مدير شعبة ضمان الجودة والأداء الجامعي:

التاريخ : ١٢/١٠/٢٠٢٠

التوقيع

الحمد لله
١٤١٥ هـ

مصادقة السيد العميد



MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	اساسيات البرمجة Programming Fundamentals		Module Delivery
Module Type	Core learning activity (C)		☒ Theory ☒ Lecture ☒ Lab ☒ Tutorial ☐ Practical ☐ Seminar
Module Code	CYBS101		
ECTS Credits	6		
SWL (hr/sem)	150		
Module Level	1	Semester of Delivery	
Administering Department	Cyber Security	College	CSIT
Module Leader	Riyadh Rahef Nuiaa	e-mail	riyadh@uowasit.edu.iq
Module Leader's Acad. Title	Assistant Professor	Module Leader's Qualification	Ph.D.
Module Tutor	Muntadher Basim Ali	e-mail	munali@uowasit.edu.iq
Peer Reviewer Name		e-mail	
Scientific Committee Approval Date	1/10/2025	Version Number	1.0

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

Module Aims, Learning Outcomes and Indicative Contents	
أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Objectives أهداف المادة الدراسية	1. This course aims to provide students with an overview of programming languages. 2. Enable the student to design algorithms and flowcharts to solve and develop programming issues. 3. Learning and understanding basic concepts and methods of structured programming using PYTHON

	4. Enable the student from converting algorithms /flowcharts into an executable program on the computer. 5. Enable the student to use control Statements.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1. Understand the programming and programming languages. 2. Understand the algorithms. 3. Learn how to write algorithms and flowcharts. 4. Learn how to analyze problems, find appropriate solutions, and develop correct algorithms that contribute to solving these problems. 5. Learn how to write simple programs. 6. Learn how to convert the algorithm into a program. 7. Understanding the Control statements, and learn how to use them in the programs.
Indicative Contents المحتويات الإرشادية	Indicative content includes the following. <u>Part A:</u> • Programming and programming languages. • Algorithms and Flowcharts. • Python Basics. <u>Part B:</u> • Selection Statements. • If and IF Else statements. • Switch – case statements. <u>Part C:</u> • Looping Statements • While Statement • Do – While Statement • For statement 

Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

Strategies	In this course, the student learned the basics of programming through theoretical lectures and practical application in the laboratory, in addition to daily assignments and daily tests, asking some questions and using the brainstorming method.
-------------------	---

Student Workload (SWL)

الحمل الدراسي للطلاب محسوب لـ ١٥ اسبوعا

Structured SWL (h/sem) الحمل الدراسي المنتظم للطلاب خلال الفصل	63	Structured SWL (h/w) الحمل الدراسي المنتظم للطلاب أسبوعيا	4.2
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	Quizzes	2	10% (10)	5 and 10	LO #1, #2 and #10, #11
	Assignments	4	10% (10)	3, 5 and 8 and 9	LO #3, #4 and #6, #7
	Projects / Lab.	15	10% (10)	Continuous	All
	Report	1	10% (10)	13	LO #5, #8 and #10
Summative assessment	Midterm Exam	2hr	10% (10)	12	LO #1 - #7
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	Introduction to Programming - Defining the programming, programming language, Levels of programming languages. - Steps to solve the problems.
Week 2	Algorithms - Defining the algorithms. - Algorithm properties. - Flowcharts. - Writing a simple algorithm.
Week 3	More about algorithms More examples on algorithms
Week 4	Introduction to Python language - Python languages basics. - Write a simple program. - Converting algorithms to programs.
Week 5	Python basics



	- Keywords and Identifier. - Data types. - Variables and their Declarations. - Variable initialization. - Variable scope.
Week 6	More about Python basics - Arithmetic operation. - Operation order. - Comparison and logic operations.
Week 7	More about Python basics - Unary operators - Increment and decrement operators. - Characters and Literal in PYTHON - Objects, variables and constants.
Week 8	Control Statements Selection Statements - Selection Statement (IF statement) - Examples on If statements.
Week 9	More about selection Statements - If – else Statement - Examples on if – else statement.
Week 10	More about selection Statements - Switch case statement. - Examples on switch - case statement.
Week 11	Midterm exam
Week 12	Control Statements Looping Statements - While statement - Examples on while statements.
Week 13	More about Looping statements - Do –while Statement - Examples on Do – while statement.



Week 14	More about Looping statements. • For Statement • Examples on for statement.
Week 15	Control Statements. • Jumping statements (break and continue) • Examples on break and continue.

Delivery Plan (Weekly Lab. Syllabus)

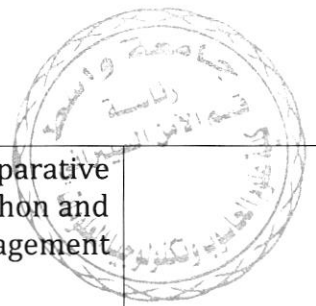
المنهاج الاسبوعي للمختبر

	Material Covered
Week 1	Introduction to Python language editor (editor interface, menu, how to run and check program)
Week 2	Writing a simple program
Week 3	Writing more programs
Week 4	Writing more simple programs
Week 5	Performing the arithmetic and logic programs
Week 6	Perform the unary operator examples.
Week 7	Perform the increments and decrement operations.
Week 8	Perform the if statement examples
Week 9	Perform the if – else examples
Week 10	Perform the switch case examples
Week 11	Perform the while examples
Week 12	Perform the do – while examples
Week 13	Perform the for statements examples
Week 14	Perform the break and continue examples
Week 15	Comprehensive review of the course

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	• Python: How To Program, Deitel and Deitel, 4th edition, Prentice Hall, 2002. • Deitel, Paul, Harvey Deitel, and Paul J. Deitel. Python for Programmers. Pearson, 2019..	No



	Sakpere, Aderonke Busayo, and Adedeji Folashade. "Comparative Analysis of Two Programming Platforms for Beginners: Python and Scratch." International Journal of Education and Management Engineering 14.5 (2024): 46-62..	
Recommended Texts	Python Programming: A Complete Guide to Mastering the C Language, Augie Hansen and August Hansen, Addison-Wesley, 1989.	No
Websites	https://www.python.org/	

Grading Scheme مخطط الدرجات				
Group	Grade	التقدير	Marks %	Definition
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
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



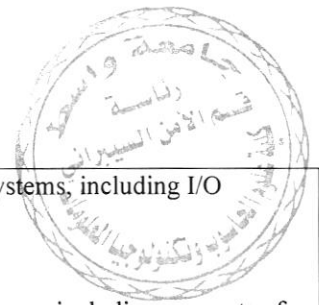
Module Information			
معلومات المادة الدراسية			
Module Title	Computer Organization تنظيم الحاسوب		Module Delivery
Module Type	Core learning activity (C)		☒ Theory ☒ Lecture ☒ Lab ☒ Tutorial ☐ Practical ☐ Seminar
Module Code	CYBS102		
ECTS Credits	4		
SWL (hr/sem)	100		
Module Level	1	Semester of Delivery	
Administering Department	Cyber security	College	CSIT
Module Leader	Saif Hameed Abbood	e-mail	saif.ha@uowasit.edu.iq
Module Leader's Acad. Title	Lecture	Module Leader's Qualification	Ph.D.
Module Tutor	Muntadher Basim Ali	e-mail	munali@uowasit.edu.iq
Peer Reviewer Name		e-mail	E-mail
Scientific Committee Approval Date	1/10/2025	Version Number	1.0

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

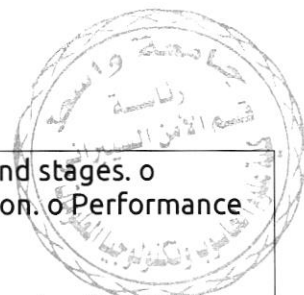
Module Aims, Learning Outcomes and Indicative Contents	
أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Objectives أهداف المادة الدراسية	1. Understanding Computer Architecture: - Gain a comprehensive understanding of computer organization and architecture principles. - Understand the components and their interconnections in a computer system. 2. Data Representation and Arithmetic: - Learn various number systems and their conversions (binary, decimal, hexadecimal).



	• Understand how data is represented and manipulated in a computer system. • Perform arithmetic operations on binary numbers. 3. Memory Systems: • Understand the organization and hierarchy of computer memory systems. • Learn about caching techniques and their impact on performance. • Study memory management and addressing techniques. 4. Instruction Set Architecture (ISA): • Learn about different instruction set architectures and their characteristics. • Understand the components and execution of instructions. • Analyze the relationship between ISA and machine language. 5. Processor Organization: • Understand the structure and components of a processor. • Learn about instruction pipelining and its benefits and challenges. • Study the design and implementation of control units. 6. Input/Output (I/O) Systems: • Learn about different I/O devices and their interfaces. • Understand the techniques used for I/O data transfer. • Study interrupt handling and DMA (Direct Memory Access). 7. Parallel Processing and Multiprocessor Systems: • Understand the concepts of parallel processing and its benefits. • Study different parallel processing architectures and their characteristics. • Learn about multiprocessor systems and their organization. 8. Performance Evaluation and Optimization: • Learn performance metrics and evaluation techniques for computer systems. • Understand the factors affecting computer system performance. • Study optimization techniques to improve system performance. 9. Emerging Trends and Technologies: • Explore current and emerging trends in computer organization. • Study new technologies and their impact on computer systems. • Understand the challenges and opportunities in designing future computer architectures.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1. Understand the fundamental principles of computer organization and architecture, including the components and their interactions within a computer system. 2. Demonstrate knowledge and proficiency in various number systems, data representation, and arithmetic operations in a computer system. 3. Analyze and evaluate different memory systems, including cache memory and main memory, and understand their impact on computer performance. 4. Describe and interpret different instruction set architectures (ISAs), including their components, instruction formats, and execution. 5. Analyze and evaluate the design and organization of processors, including pipelining techniques and control unit implementation.



	6. Understand the principles and techniques of input/output (I/O) systems, including I/O devices, interfaces, interrupts, and direct memory access (DMA). 7. Discuss and evaluate parallel processing and multiprocessor systems, including concepts of parallelism, parallel architectures, and interconnectivity. 8. Apply performance evaluation techniques to measure and analyze the performance of computer systems, and propose optimization strategies for improving system performance. 9. Stay informed about current and emerging trends and technologies in computer organization, and assess their potential impact on future computer architectures. 10. Demonstrate effective problem-solving, critical thinking, and analytical skills in the context of computer organization and architecture. 11. Communicate effectively, both orally and in writing, about complex concepts and topics related to computer organization. 12. Work collaboratively and contribute effectively as a team member in group projects and activities related to computer organization.
Indicative Contents المحتويات الإرشادية	1. Introduction to Computer Organization: o Basic concepts and terminology in computer organization. o Historical development and evolution of computer architecture. 2. Digital Logic and Boolean Algebra: o Binary representation and arithmetic operations. o Logic gates, Boolean functions, and truth tables. o Combinational and sequential logic circuits. 3. Data Representation and Arithmetic: 84 o Number systems: binary, decimal, hexadecimal. o Signed and unsigned integer representation. o Floating-point representation and arithmetic operations. 4. Central Processing Unit (CPU): o Instruction set architecture (ISA) and machine language. o CPU organization and components. o Control unit, instruction fetching, and execution. 5. Memory Systems: o Memory hierarchy and storage technologies. o Cache memory organization, principles, and mapping techniques. o Main memory organization and addressing modes. o Virtual memory concepts and techniques. 6. Input/Output (I/O) Systems: o I/O devices, interfaces, and data transfer methods. o Interrupt handling and interrupt-driven I/O. o Direct Memory Access (DMA) and its role in data transfer.



	7. Pipeline Processing: o Instruction pipelining concepts and stages. o Hazards and techniques for hazard detection and resolution. o Performance metrics and improvements in pipeline processing. 8. Parallel Processing and Multiprocessor Systems: o Concepts of parallel processing and its benefits. o Types of parallel architectures: SIMD, MIMD, and multicore. o Interconnection networks and communication among processors. 9. Performance Evaluation and Optimization: o Performance metrics and measurement techniques. o Bottleneck identification and performance analysis. o Techniques for optimizing computer system performance. 10. Emerging Trends and Advanced Topics: o Advanced topics in computer organization, such as superscalar processors, out-of-order execution, and speculative execution. o Emerging technologies and their impact on computer organization, such as quantum computing and neuromorphic computing.
--	--

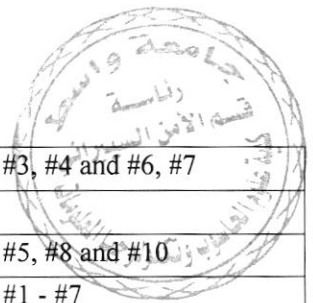
Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	1. Understand the Fundamentals: • Start by grasping the foundational concepts and principles of computer rganization, such as binary representation, digital logic, and Boolean algebra. • Build a strong understanding of number systems, data representation, and arithmetic operations used in computer systems. 2. Visualize and Diagram: • Use visual aids, diagrams, and flowcharts to represent and understand the structure and organization of computer components. • Draw diagrams to illustrate the flow of data and control signals within a computer system, such as the CPU, memory, and I/O devices. 3. Hands-on Experience: • Gain practical experience by working with computer hardware and software. This can involve assembling computers, configuring components, or writing low-level programs. • Experiment with simulators or emulators to observe how instructions are executed and how data flows through different computer components. 4. Relate to Real-World Examples: • Relate the concepts of computer organization to real-world examples and applications. Understand how the principles of computer organization are applied in everyday computing devices. 5. Analyze and Evaluate Case Studies: • Study and analyze case studies of actual computer architectures and designs. • Examine the trade-offs made in the design of different computer systems, considering factors such as performance, power consumption, and cost.



	6. Solve Practice Problems:
	Practice solving problems related to computer organization. This could involve analyzing and designing digital circuits, writing assembly language programs, or optimizing system performance.
	7. Stay Updated with Current Research:
	- Keep up-to-date with the latest advancements and research in computer organization. - Read academic papers, attend conferences, and follow industry trends to understand emerging technologies and new approaches to computer organization.
	8. Collaborate and Discuss:
	Engage in discussions and collaborate with peers or study groups. Share knowledge, exchange ideas, and clarify concepts through group discussions or online forums.
	9. Seek Guidance and Resources:
	- Consult textbooks, online resources, and academic materials that cover computer organization. - Seek guidance from instructors, tutors, or professionals with expertise in computer architecture and organization.
	10. Practice Conceptual Mapping:
	- Develop a conceptual map or framework to connect the different topics and components of computer organization. - Understand how the various concepts and components fit together to form a cohesive computer system.

Student Workload (SWL)			
الحمل الدراسي للطلاب محسوب لـ ١٥ أسبوعا			
Structured SWL (hr/sem) الحمل الدراسي المنتظم للطلاب خلال الفصل	63	Structured SWL (hr/w) الحمل الدراسي المنتظم للطلاب أسبوعيا	4.2
Unstructured SWL (hr/sem) الحمل الدراسي غير المنتظم للطلاب خلال الفصل	37	Unstructured SWL (hr/w) الحمل الدراسي غير المنتظم للطلاب أسبوعيا	2.5
Total SWL (hr/sem) الحمل الدراسي الكلي للطلاب خلال الفصل	100		

Module Evaluation				
تقييم المادة الدراسية				
	Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Quizzes	2	10% (10)	5 and 10	#1, #2 and #10, #11



Formative assessment	Assignments	2	10% (10)	2 and 12	#3, #4 and #6, #7
	Projects / Lab.	15	10% (10)	All	
	Report	1	10% (10)	13	#5, #8 and #10
Summative assessment	Midterm Exam	2hr	10% (10)	7	#1 - #7
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	Introduction to Computer Organization, Overview of computer systems and their components
Week 2	Digital Logic and Boolean Algebra
Week 3	Data Representation and Arithmetic
Week 4	Central Processing Unit (CPU)
Week 5	Instruction set architecture (ISA) and machine language
Week 6	CPU organization and components
Week 7	Control unit and instruction execution
Week 8	Memory Hierarchy
Week 9	Memory organization and addressing
Week 10	Cache memory: principles, levels, and mapping techniques
Week 11	Midterm exam
Week 12	Input/Output Systems, Interrupts and DMA (Direct Memory Access), I/O performance and strategies
Week 13	Pipelining and Superscalar Techniques
Week 14	Multiprocessors and Parallel Computer Architecture
Week 15	Performance Evaluation and Benchmarking

Delivery Plan (Weekly Lab. Syllabus)

المنهاج الاسبوعي للمختبر

	Material Covered
Week 1	system architecture 8086
Week 2	Instruction Set-1 8086
Week 3	Instruction Set-2 8086
Week 4	Instruction Set-3 8086



Week 5	Instruction Set-4 8086
Week 6	Instruction Set-5 8086
Week 7	Addressing Mode 8086
Week 8	Memories (RAM, ROM)
Week 9	Cache Memory
Week 10	Programming Skills 8086
Week 11	Programming Skills 8086
Week 12	I/O unit 8086
Week 13	Memory Mapped I/O, Isolated Input Output
Week 14	Memory/Input Output Interface
Week 15	Exam

Learning and Teaching Resources

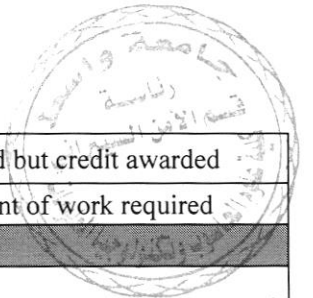
مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	Textbook: - Forouzan, B.A. and Mukhopadhyay, D., 2015. Cryptography and network security (Vol. 12). New York, NY, USA:: Mc Graw Hill Education (India) Private Limited. Er Vikrant Vij - Computer Networks- Laxmi Publications (2018) - Sharma, K., Gigras, Y., Sharma, V., Hemanth, D.J. and Poonia, R.C. eds., 2022. <i>Internet of Healthcare Things: Machine Learning for Security and Privacy</i>. John Wiley & Sons. - Tehranipoor, M. and Wang, C. eds., 2011. <i>Introduction to hardware security and trust</i>. Springer Science & Business Media.	Yes (E-copy)

Grading Scheme

مخطط الدرجات

Group	Grade	التقدير	Marks %	Definition
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



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.



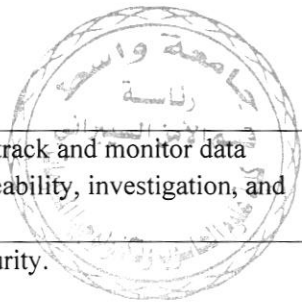
MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	مبادئ امنية المعلومات Information Security Principles		Module Delivery
Module Type	Basic learning activities (B)		☒ Theory ☒ Lecture ☒ Lab ☒ Tutorial ☐ Practical ☐ Seminar
Module Code	CYBS103		
ECTS Credits	6		
SWL (hr/sem)	150		
Module Level	1	Semester of Delivery	
Administering Department	Cyber security	College	CSIT
Module Leader	Osamah Adil Raheem	e-mail	oalmusawi@uowasit.edu.iq
Module Leader's Acad. Title	Assistant Professor	Module Leader's Qualification	Ph.D.
Module Tutor	Hasanain flayyih hasan	e-mail	Hasanain.f.h@uowasit.edu.iq
Peer Reviewer Name		e-mail	
Scientific Committee Approval Date	01/10/2025	Version Number	1.0

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

Module Aims, Learning Outcomes and Indicative Contents	
أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Aims أهداف المادة الدراسية	- Confidentiality: Ensure that data is accessible only to authorized individuals or entities, protecting it from unauthorized access or disclosure. - Integrity: Maintain the accuracy, consistency, and trustworthiness of data by preventing unauthorized modifications, corruption, or tampering. - Availability: Ensure that data is accessible and usable by authorized users when needed, avoiding disruptions or downtime that could hinder productivity. - Authentication: Verify the identity of individuals or systems accessing data to prevent unauthorized access and protect against identity theft or impersonation.



	5. Auditing and Accountability: Establish mechanisms to track and monitor data access, modifications, and user activities, enabling traceability, investigation, and accountability in case of security incidents or breaches.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1. Understand the key principles and concepts of data security. 2. . Identify and assess potential risks to data security. 3. Apply appropriate measures to protect data confidentiality and integrity. 4. Implement authentication and access control mechanisms to ensure authorized data access. 5. Develop strategies for ensuring data availability and preventing downtime or disruptions. 6. Demonstrate knowledge of auditing and accountability practices to track and monitor data access. 7. Comply with legal and regulatory requirements related to data security.
Indicative Contents المحتويات الإرشادية	• Threat landscape: Overview of common threats and vulnerabilities in data security. • Risk assessment: Understanding and conducting risk assessments to identify potential security risks. • Encryption and data protection: Exploring encryption techniques and methods to safeguard data. • Access control: Implementing access control mechanisms to regulate data access based on user roles and permissions. • Security policies and procedures: Developing and implementing data security policies and procedures. • Incident response: Understanding incident response protocols to effectively address and mitigate data security incidents. • Compliance and legal considerations: Familiarity with relevant regulations and standards pertaining to data security.

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	• Defense in depth: Implement multiple layers of security controls to create a comprehensive and resilient defense strategy. • Regular updates and patch management: Keep software and systems up to date with the latest security patches and updates to address known vulnerabilities. • Employee training and awareness: Educate and train employees on data security best practices and the importance of maintaining strong security measures. • Data classification and protection: Classify data based on its sensitivity and apply appropriate protection measures, such as encryption or access controls.

Student Workload (SWL)



الحمل الدراسي للطلاب محسوب لـ ١٥ اسبوعا

Structured SWL (h/sem) الحمل الدراسي المنتظم للطلاب خلال الفصل	63	Structured SWL (h/w) الحمل الدراسي المنتظم للطلاب أسبوعيا	4.2
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	Quizzes	1	10% (10)	5, 10	LO #1, 2, 10 and 11
	Assignments	9	10% (10)	2, 12	LO # 3, 4, 6 and 7
	Projects / Lab.	15	10% (10)	Continuous	All
	Report	15	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)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	Introduction, Basic Security Concepts
Week 2	(Cryptosystem), Components of the Cryptographic System
Week 3	Encryption Algorithms Traditional Transposition
Week 4	Monoalphabetic Substitution, Cipher Systems
Week 5	Homophonic Substitution Cipher Systems
Week 6	Polyalphabetic Substitution Cipher Systems
Week 7	One-Time Pad and Stream Ciphers
Week 8	Mathematical Background
Week 9	Public key Cryptography and RSA
Week 10	Block Ciphers
Week 11	Midterm exam



Week 12	Security Mechanisms, Authentication
Week 13	Firewall Concept
Week 14	Definitions about Viruses, Hackers, Attacks
Week 15	Network Security
Week 16	Review

Delivery Plan (Weekly Lab. Syllabus)

المنهاج الاسبوعي للمختبر

	Material Covered
Week 1	Language Principles
Week 2	Language Definitions for Cryptosystem
Week 3	Programs for: Transposition Methods
Week 4	Programs for: Monoalphabetic Substitution Methods
Week 5	Programs for: Homophonic Substitution Methods
Week 6	Programs for: Polyalphabetic Substitution Methods
Week 7	Programs for: LFSR and NLFSR
Week 8	Programs for: Prime, GCD, Inverse
Week 9	Programs for: RSA Algorithm Steps
Week 10	Programs for: DES Algorithm Steps
Week 11	Programs for: Authentication Steps
Week 12	Programs for: Some Applications

Learning and Teaching Resources

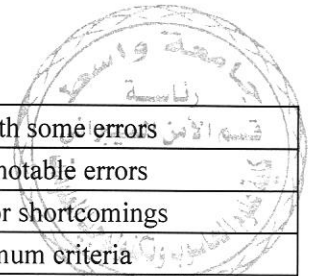
مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	"Principles of Information Security" by Michael E. Whitman and Herbert J. Mattord (Latest edition - 2018)	Yes
Recommended Texts	Cryptography and Network Security: Principles and Practice" by William Stallings (Latest edition - 2020)	No
Websites	https://www.coursera.org/browse/physical-science-and-engineering/electrical-engineering	

Grading Scheme

مخطط الدرجات

Group	Grade	التقدير	Marks (%)	Definition
Success Group	A - Excellent	امتياز	90 - 100	Outstanding Performance



(50 - 100)	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	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

نموذج وصف المادة الدراسية



Module Information			
معلومات المادة الدراسية			
Module Title	Mathematics رياضيات		Module Delivery
Module Type	Basic learning activities (B)		☒ Theory ☒ Lecture ☐ Lab ☐ Tutorial ☐ Practical ☐ Seminar
Module Code	CYBS104		
ECTS Credits	6		
SWL (hr/sem)	150		
Module Level	1	Semester of Delivery	
Administering Department	Cyber security	College	CSIT
Module Leader	Zainalabdeen Abbas Naser Alsafi	e-mail	leccit3@uowasit.edu.iq
Module Leader's Acad. Title		Module Leader's Qualification	
Module Tutor		e-mail	
Peer Reviewer Name		e-mail	
Scientific Committee Approval Date	01/10/2025	Version Number	1.0

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

Module Aims, Learning Outcomes and Indicative Contents	
أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	



Module Objectives أهداف المادة الدراسية	1-provide the student with knowledge of the function and some types of functions 2-rein forcing studying and understanding some math terms such relation,sequences and series and calculus 3-enable the student to interpret and write math application in the field of study 4-applying math rules and rules and developing inference and conclusion among student 5- identify the ability to derive functions and the integration of function and its relationship to continuity 6-know the applications of calculus and integration in various sciences
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1-Introducing math concepts 2-Appling math concepts 3-Realizing the importance of math concepts in scientific life 4-Distinguishing between different math concepts 5-Developing students math concepts 6-Trying to reach new math concepts
Indicative Contents المحتويات الإرشادية	Indicative content includes the following. Real number and properties of operations arithmetic, domain function definition and the corresponding domain ,the extent of the function ,drawing functions and express method, the relationship between the derivative and continuity, Rolls theorem and Mean value theorem ,define integration and study methods of integration ,fundamental laws of integration, Application of integration , improper integrals.

Learning and Teaching Strategies			
استراتيجيات التعلم والتعليم			
Strategies	1-Giving scientific lectures in classrooms and using the (data . show) table statement of the main ideas of the topic 2-Guiding students to some websites to benefit from them 3-Assign the student to prepare brief reports on some topics and carry out homework		
Student Workload (SWL)			
الحمل الدراسي للطالب محسوب لـ ١٥ أسبوعا			
Structured SWL (h/sem)	63	Structured SWL (h/w)	4.2
الحمل الدراسي المنتظم للطالب خلال الفصل		الحمل الدراسي المنتظم للطالب أسبوعيا	
Unstructured SWL (h/sem)	87	Unstructured SWL (h/w)	5.8
الحمل الدراسي غير المنتظم للطالب خلال الفصل		الحمل الدراسي غير المنتظم للطالب أسبوعيا	
Total SWL (h/sem)	150		
الحمل الدراسي الكلي للطالب خلال الفصل			



Module Evaluation

تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	10% (10)	5 and 10	LO #1, #2 and #10, #11
	Assignments	2	10% (10)	2 and 12	LO #3, #4 and #6, #7
	Projects / Lab.				
	report	2	10% (10)	13	LO #5, #8 and #10
Summative assessment	Midterm Exam	2hr	20% (20)	6 and 13	LO #1 - #7
	Final Exam	3hr	50% (50)	7	All
Total assessment			100% (100 Marks)	15	

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	Introduction of real numbers, functions and Their types, sketch and the domain.
Week 2	The Range of the functions, the Limit
Week 3	The limit of Infinity and properties of Limits ,the Continuity, the derivative
Week 4	Implicit differentiation, The Chain Rule
Week 5	Partial derivative ,theorem (Cauchy-Riemann equation), Laplace equation
Week 6	Transcendental functions (the Natural Logarithm) and Logarithm differentiable, (quiz)
Week 7	Logarithm with base a , the exponential function , Exponential function of type a^x , a^y and trigonometric function.
Week 8	The inverse trigonometric function
Week 9	Hyperbolic function, (quiz)
Week 10	Definite integral, Indefinite integral, the integral of Natural logarithms
Week 11	Midterm exam
Week 12	The integration of exponential functions and Trigonometric functions integrations
Week 13	Integration by part
Week 14	Integral contain n-th root , Integration of Rational function by partial fractions
Week 15	Substitution by trigonometric function



Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	Thomas G.B. Calculus and Analytic Geometry 4th 1984	Yes
Recommended Texts	www. Free science. Info/math المواقع الالكترونية الرصينة	

Grading Scheme

مخطط الدرجات

Group	Grade	التقدير	Marks %	Definition
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
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.



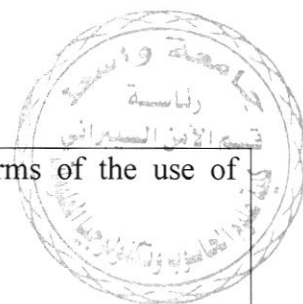
MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	هيكل متقطعة (1) Discrete Structures (1)		Module Delivery
Module Type	Basic learning activities (B)		☒ Theory ☒ Lecture ☐ Lab ☒ Tutorial ☐ Practical ☐ Seminar
Module Code	CYBS105		
ECTS Credits	4		
SWL (hr/sem)	100		
Module Level	1	Semester of Delivery	
Administering Department	Cyber Security	College	CSIT
Module Leader	Inas Salman Obaid	e-mail	inas@uowasit.edu.iq
Module Leader's Acad. Title	Lecturer	Module Leader's Qualification	M.Sc.
Module Tutor		e-mail	E-mail
Peer Reviewer Name		e-mail	
Scientific Committee Approval Date	01/10/2025	Version Number	1.0

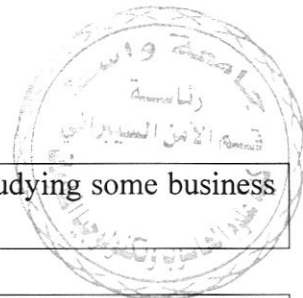
Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	
Co-requisites module	None	Semester	

Module Aims, Learning Outcomes and Indicative Contents	
أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	



Module Objectives أهداف المادة الدراسية	1. The course aims to study discrete structures in terms of the use of algebraic laws. 2. Charts and shapes 3. To reach an easy and clear way for students 4. To solve all material issues related to discontinuous structures. 5. In addition to studying quantifiers and predicates logic 6. Studying the different groups, theories and schemes so that the student can solve the duties required of him and the exercises with simplicity, ease and clarity.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1. Learn how to solve algebraic laws, groups and Venn diagrams correctly, efficiently and clearly 2. The subjects studied in discrete structures are either definite or indefinite. The term finite structures are sometimes used to refer to fields of discrete mathematics that deal with finite groups 3. especially in fields of business relevance. 4. Discrete mathematical structures have gained wide importance over the recent decades due to their wide applications in computer science. 5. Discrete mathematics terms and notations are useful for studying and expressing problems of objects in computer programming and algorithms. 6. Some branches of discrete mathematics are also useful in studying some business and economic issues.
Indicative Contents المحتويات الإرشادية	The course aims to study discontinuous structures in terms of the use of algebraic laws, diagrams and shapes to reach an easy and clear way for students to solve all issues related to the subject of discontinuous structures. In addition to studying quantifiers and predicates logic and studying different groups, theories and schemes so that the student can solve the duties required of him and the exercises with simplicity, ease and clarity.

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	Discrete structures are the study of mathematical structures that are essentially discontinuous, in the sense that they do not require the presence of the adjective of communication and do not require it in order to study this subject. Most of the topics studied in discrete mathematics are related to countable sets (a completely different concept from finite sets), an example of which is the set of integers. Discrete mathematics has gained wide importance in recent decades due to its wide applications in computer science. Discrete mathematics terms and notations are useful for studying and expressing objects in computer programming and algorithms. Some



	branches of discrete mathematics are also useful in studying some business and economic issues.
--	---

Student Workload (SWL) الحمل الدراسي للطلاب محسوب لـ ١٥ اسبوعا			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطلاب خلال الفصل	48	Structured SWL (h/w) الحمل الدراسي المنتظم للطلاب أسبوعيا	3.2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطلاب خلال الفصل	52	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطلاب أسبوعيا	3.4
Total SWL (h/sem) الحمل الدراسي الكلي للطلاب خلال الفصل	100		

Module Evaluation تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	1	10% (10)	5, 10	LO #1, 2, 10 and 11
	Assignments	9	10% (10)	2, 12	LO # 3, 4, 6 and 7
	Projects / Lab.	0	0% (10)	Continuous	All
	Report	15	15% (10)	13	LO # 5, 8 and 10
Summative assessment	Midterm Exam	2hr	15% (10)	7	LO # 1-7
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	
	Material Covered
Week 1	Definition to discrete structure
Week 2	Conditional statement, Type of statements
Week 3	Algebra of propositions
Week 4	Laws of Algebra propositions
Week 5	Define of Predicates logic
Week 6	Define of quantifiers and examples
Week 7	Sets theory



Week 8	Type of set operation
Week 9	Venn diagram in details
Week 10	Laws of set operation and type
Week 11	Midterm exam
Week 12	Define of Cartesian product
Week 13	types of relations
Week 14	Graphs of relation, construct the relation
Week 15	How to solve laws of relations
Week 16	Other approaches to computability

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	Discrete Mathematics and Its Applications_7th_Edition	
Recommended Texts	Foreman, M., Akihiro Kenmore, eds. Handbook of Set Theory. 3 vols., 2010. Each chapter surveys some aspect of contemporary research in set theory. Does not cover established elementary set theory.	

Grading Scheme مخطط الدرجات				
Group	Grade	التقدير	Marks %	Definition
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
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.





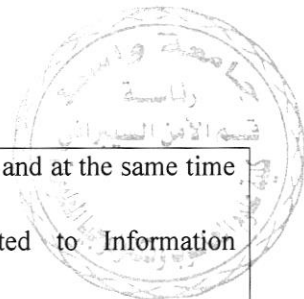
MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	English Language (1) اللغة الانكليزية (1)		Module Delivery
Module Type	Support or related learning activity (S)		☒ Theory ☒ Lecture ☐ Lab ☐ Tutorial ☐ Practical ☐ Seminar
Module Code	WU02		
ECTS Credits	2		
SWL (hr/sem)	50		
Module Level	1	Semester of Delivery	1
Administering Department	Cyber security	College	CSI
Module Leader	HAYDER ZAIBIL MAREEDH AL_SHIHMANI	e-mail	hayderzaibil@uowasit.edu.iq
Module Leader's Acad. Title		Module Leader's Qualification	
Module Tutor		e-mail	
Peer Reviewer Name		e-mail	E-mail
Scientific Committee Approval Date	01/10/2025	Version Number	1.0

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

Module Aims, Learning Outcomes and Indicative Contents	
أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Aims أهداف المادة الدراسية	1. To Develop English skills by listening and writing . 2. Learning English and conversation training 3. Conversations in English in the field of computers (Information Technology).



	- The student receives all the information about the computer and at the same time learns and trains the correct pronunciation in this language. - conversations between students about everything related to Information Technology. - Obtain English skill support high level of graduate .
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	Important: Write at least 6 Learning Outcomes, better to be equal to the number of study weeks. - Learning English and conversation training. - Listening and writing in English language. - Basic information about Information Technology (IT). - Learns and trains the correct pronunciation in this language. - Learn and write common sentences in the English language. - Learn to write words that end or start with the same syllable in the English language. - Learn about job interviews. - Learn personal presentation in English language.
Indicative Contents المحتويات الإرشادية	<u>Unit 1: E-commerce companies [8hrs]</u> E-commerce companies: listening, writing, reading, speaking and vocabulary. E-commerce features: listening, writing, language, speaking and vocabulary. Transaction security: listening, writing, language, speaking and vocabulary. Online transaction: listening, writing, language, speaking and vocabulary. <u>Unit 2: Network systems [8hrs]</u> Types of network: describe networks and make recommendations. Networking hardware: listening, writing, language, speaking and vocabulary. Talking about the past: listening, writing, language, speaking and vocabulary. Network range and speed: listening, writing, language, speaking and vocabulary. <u>Unit 3: IT support [8hrs]</u> Fault diagnosis: talk about results of an action, language, speaking and vocabulary. Software repair: listening, writing, language, speaking and vocabulary. 40 Hardware repair: listening, writing, language, speaking and vocabulary. Customer service: explain the use of things. listening, writing and vocabulary. <u>Unit 4: IT security and safety [8hrs]</u> Security solutions: listening, writing, language, speaking and vocabulary. Workstation health and safety: listening, writing, language, speaking and vocabulary. Security procedures: listening, writing, language, speaking and vocabulary. Reporting incidents: listening, writing, language, speaking and vocabulary.

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	The main strategy that will be adopted in the delivery of this units are to encourage students to participate in writing and reading exercises, while improving their listening skills. This will be achieved through student interaction in class and completion of daily assignments (homework).



--	--

Student Workload (SWL)

الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعا

Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	32	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	18	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	1
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	50		

Module Evaluation

تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	10% (10)	5, 10	LO #1, 2, 10 and 11
	Assignments	2	10% (10)	2, 12	LO # 3, 4, 6 and 7
	Projects / Lab.				
	Report	1	10% (10)	13	LO # 5, 8 and 10
Summative assessment	Midterm Exam	2 hr	20% (20)	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	E-commerce companies +listening, speaking and vocabulary.
Week 2	E-commerce features + listening, writing, language and vocabulary.
Week 3	Transaction security + listening, writing, language and speaking.
Week 4	Online transaction + listening, writing, language, speaking and vocabulary
Week 5	Types of network /describe networks and make recommendations.
Week 6	Networking hardware + listening, writing, language, speaking and vocabulary.
Week 7	Talking about the past + listening, writing, language, speaking and vocabulary.
Week 8	Network range and speed + listening, writing, language, speaking and vocabulary.

Week 9	Fault diagnosis + talk about results of an action, language, speaking and vocabulary.
Week 10	Software repair + listening, writing, language, speaking and vocabulary.
Week 11	Midterm exam
Week 12	Hardware repair + listening, writing, language, speaking and vocabulary.
Week 13	Security solutions: listening, writing, language, speaking and vocabulary.
Week 14	Workstation health and safety: listening, writing, language, speaking and vocabulary.
Week 15	Security procedures + Reporting incidents/ listening, writing, language, speaking and vocabulary.

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	English for information technology , 1 vocational English, course book, Maja Olejniczak, series editor David Bonamy.	Yes
Recommended Texts		
Websites	https://www.youtube.com/watch?v=WOVu22J_sN8	

Grading Scheme

مخطط الدرجات

Group	Grade	التقدير	Marks (%)	Definition
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
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	حقوق الإنسان و الديمقراطية Human Rights and Democracy		Module Delivery
Module Type	Support or related learning activity (S)		☒ Theory ☒ Lecture ☐ Lab ☐ Tutorial ☐ Practical ☐ Seminar
Module Code	WU04		
ECTS Credits	2		
SWL (hr/sem)	50		
Module Level	1	Semester of Delivery	
Administering Department	Cyber security	College	CSIT
Module Leader	Asaad Abdul Latif Turki	e-mail	asaad101@uowasit.edu.iq
Module Leader's Acad. Title	Lecture	Module Leader's Qualification	PH. D
Module Tutor		e-mail	E-mail
Peer Reviewer Name		e-mail	E-mail
Scientific Committee Approval Date	01/10/2025	Version Number	1.0

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

Module Aims, Learning Outcomes and Indicative Contents	
أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Aims أهداف المادة الدراسية	تهدف المادة الى تعريف الطلبة بحقوق الإنسان و أبرز مصادرها وخصائصها والمراحل التاريخية التي مرت بها حقوق الإنسان, ثم التعرف على الاعلان العالمي لحقوق الإنسان وأبرز المواد التي تضمنها الإعلان ، والمعاهدات والمواثيق الدولية و أبرز المنظمات الدولية في مجال حقوق الإنسان وتعريف الطلبة بحقوق الإنسان في الديانات السماوية.



Module Learning Outcomes مخرجات التعلم للمادة الدراسية	أ- الأهداف المعرفية: 1-إكساب الطلبة المعرفة المتعلقة بالديمقراطية وحقوق الإنسان. 2-تعريف الطالب بأهمية الديمقراطية وحقوق الإنسان في الدين الإسلامي الحنيف ودور النبي(ص) في ترسيخها. 3-إكساب الطالب المعرفة الضرورية بالتجارب الإقليمية للديمقراطية وحقوق الإنسان. 4-تعريف الطالب بالديمقراطية وحقوق الإنسان ضمن الدستور العراقي. 5-تعريف الطالب بالحقوق و الواجبات على المستوى الوطني و الدولي. 6-تعريف الطالب بالملكية الفكرية ومايتعلق بها. ب-الأهداف المهاراتية الخاصة بالمادة: 1-أن يكتسب الطالب الحس الأخلاقي وربطه بالعمل. 2-أن يكتسب الطالب القدرة والفهم الصحيح لحقوق الإنسان والديمقراطية. 3-أن يكتسب الطالب المعرفة الضرورية بالحقوق والواجبات. ج-الأهداف الوجدانية: 1-تشجيع الطلبة على الاستفادة من مادة الديمقراطية وحقوق الإنسان عن طريق الإيمان بأهميتها في العملية التعليمية وفي مجال التخصص بشكل عام. 2-تشجيع الطلبة ورفع روح المنافسة بينهم. 3-تعزيز التعاون بين الطلبة عن طريق التطبيق الفعلي في الجانب التطبيقي. 4- تنمية الطاقات الفكرية والإبداعية لدى الطلبة من خلال تنفيذهم لمختلف الواجبات.
Indicative Contents المحتويات الإرشادية	

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	أ-طرائق التعليم والتعلم 1.إلقاء المحاضرات العلمية في القاعات الدراسية. 2.إرشاد الطلاب إلى بعض المواقع الإلكترونية للإفادة منها. 3.تكليف الطالب بإعداد تقارير مختصرة لبعض المواضيع وتنفيذ الواجبات المنزلية. 4.حلقات نقاشية لمعالجة المشاكل التي يواجهها الطالب في المادة. 5-إعطاء الأنشطة الجماعية أهمية من خلال تخصيص درجات على الأنشطة الجماعية . 6-إدارة المحاضرة على شكل يجعل الطالب يشعر بأهمية الوقت. 7-تشجيع الطالب على تقديم أعمال إبداعية في التخصص تواكب معايير الجودة في خدمة المجتمع. ب-طرائق التقييم 1.تنفيذ الواجبات اليومية. 2.الإختبارات اليومية والشهرية والنهائية. 3.الالتزام بالحضور لقاعة الدرس وانهاء الاعمال المكلف بها والواجبات والتقارير ضمن توقيتات محددة. 4-المناقشة والمشاركة الفاعلة في قاعة الدرس.



Student Workload (SWL) الحمل الدراسي للطلاب محسوب لـ ١٥ اسبوعا			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطلاب خلال الفصل	32	Structured SWL (h/w) الحمل الدراسي المنتظم للطلاب أسبوعيا	2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطلاب خلال الفصل	18	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطلاب أسبوعيا	1
Total SWL (h/sem) الحمل الدراسي الكلي للطلاب خلال الفصل	50		

Module Evaluation تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	10% (10)	5, 10	LO #1, 2, 10 and 11
	Assignments	2	10% (10)	2, 12	LO # 3, 4, 6 and 7
	Projects / Lab.				
	Report	1	10% (10)	13	LO # 5, 8 and 10
Summative assessment	Midterm Exam	2 hr	20% (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	التعرف على مفهوم ومميزات الديمقراطية
Week 2	ركائز الديمقراطية والمفاهيم الأساسية
Week 3	التعرف على البعد التاريخي والنهوض بالواقع العربي في ظل الديمقراطية
Week 4	التعرف على الاليات وترسيخ الأفكار الديمقراطية
Week 5	الأصل التاريخي للديمقراطية في الدستور العراقي
Week 6	التعرف على التحديات
Week 7	المشكلات التي واجهت الديمقراطية في العراق

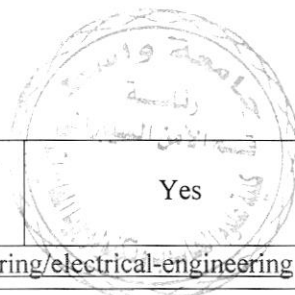


Week 8	المفاهيم الأساسية مفهوم حقوق الإنسان (التعريف - الخصائص - الفئات) والتعرف على تاريخ حقوق الإنسان (حقوق الإنسان في الحضارات القديمة)
Week 9	الدين وحقوق الإنسان (حقوق الإنسان في الشرائع السماوية: الدين الإسلامي - الديانة المسيحية - الديانة اليهودية) و الإسلام وحقوق الإنسان (دور شخصية النبي محمد (ص) في ترسيخ حقوق الإنسان)
Week 10	الإسلام وحقوق الإنسان (حقوق الإنسان في الحقبة مابعد النبي محمد (ص)) التعرف على اهم تجارب حقوق الإنسان (مصادر حقوق الإنسان العالمية)
Week 11	التجارب الاقليمية (مصادر حقوق الإنسان الإقليمية والوطنية) دستور العراق مابعد 2005م وحقوق الإنسان (حقوق الإنسان في دستور جمهورية العراق لسنة 2005م)
Week 12	التعرف على الحقوق والواجبات (ضمانات حقوق الإنسان وحمايتها على المستوى الدولي و الوطني)
Week 13	التعرف على الحقوق والواجبات (الضمانات الدستورية لحقوق الإنسان في الدستور العراقي) ترسيخ فكرة منظمات المجتمع المدني الداعمة لحقوق الإنسان (دور منظمات المجتمع المدني والنقابات والجمعيات في حماية حقوق الإنسان)
Week 14	حقوق الإنسان والملكية الفكرية (تأريخ الملكية الفكرية، تعريفها، حقوقها، فوائدها، أنواعها، حمايتها) حقوق الإنسان والملكية الفكرية (المنظمة العالمية للملكية الفكرية، حماية الملكية الفكرية وحقوق المؤلف في العراق)
Week 15	المفاهيم الأساسية مفهوم حقوق الإنسان (التعريف - الخصائص - الفئات) والتعرف على تاريخ حقوق الإنسان (حقوق الإنسان في الحضارات القديمة)

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	- منشورات مفوضية حقوق الانسان في العراق/ مركز البحوث. - الديمقراطية/ تأليف د. رياض عزيز هادي، بغداد 2008. - الديمقراطية من الفكر الى التطبيق/ تأليف د. حامد حمزة، مجلة دراسات سياسية، بيت الحكمة، العدد (15) لسنة 2010 بغداد. - حقوق الإنسان والحريات الأساسية تأليف فيصل شنتاوي قانون حقوق الإنسان مصادره وتطبيقاته الوطنية والدولية تأليف محمد بشير الشافعي القانون الدولي لحقوق الإنسان تأليف عبد الكريم خليفة حقوق الإنسان بين المفهوم الغربي والإسلامي تأليف نبيل قرقور حقوق الإنسان والحريات الأساسية تأليف هاني الطعيمات.	Yes



Recommended Texts	جدلية العلاقة بين الديمقراطية و تداول السلطة، مجلة دراسات سياسية، بيت الحكمة، العدد(16) لسنة – 2010، بغداد.	Yes
Websites	https://www.coursera.org/browse/physical-science-and-engineering/electrical-engineering	

Grading Scheme مخطط الدرجات				
Group	Grade	التقدير	Marks (%)	Definition
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
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.				