16. Program Development Plan

السنة / المستوى	رمز المقرر	اسم المقرر	اساسي أم اختياري	مخرجات التعلم المطلوبة من البرنامج											
				المعرفة				المهارات				القيم			
				أ1	أ2	أ3	أ4	ب1	ب2	ب3	ب4	ج1	ج2	ج3	ج4
المستوى الأول – الفصل الاول	UOBAB0106011	تصميم معماري II رسم معماري II	اساسي		•										
	UOBAB0106012	رسم يدوي I	اساسي												
	UOBAB0106013	مبادئ فن وعمارة I	اساسي												
	UOBAB0106014	رياضيات I	اساسي												
	UOBAB0106016	حاسوب I	اساسي												
	UOBAB1102	اللغة العربية	اساسي												
	UOBAB1104	الديمقراطية وحقوق الانسان	اساسي												
المستوى الأول - الفصل الثاني	UOBAB0106021	مبادئ فن وعمارةII	اساسي												
	UOBAB0106024	مبادئ الرسم بالحاسوب	اساسي												

	UOBAB0106023	رياضيات II	**اساسي**													
	UOBABb1101	اللغة الأنكليزية I	**اساسي**													
	UOBAB0106022	تركيب مباني I	**اساسي**													
	UOBAB0106025	تصميم معماري رسم معماري	**اساسي**													
المستوى الثاني - الفصل الاول	Arch2316	تركيب مبانيII	**اساسي**													
	Arch2305	تاريخ عمارة I	**اساسي**													
	Arch2314	حاسوب III	**اساسي**													
	UOBAB2301	جرائم حزب البعث	**اساسي**													
	Arch2311	تصميم معماري III	**اساسي**													
	Arch2312	رسم معماري III	**اساسي**													
	Arch2313	رسم يدوي II	**اساسي**													
المستوى الثاني - الفصل الثاني	Arch2414	تركيب مبانيIII	**اساسي**													
	Arch2411	تصميم معماري IV	**اساسي**													
	Arch2412	رسم معماري IV	**اساسي**													
	Arch2413	رسم يدويIII	**اساسي**													
	Arch2415	مبادئ الرسم بالحاسوبII	**اساسي**													

	UOBAB2302	لغة أنكليزية II	**اساسي**															
	UOBAB2001	اللغة العربيةII	**اساسي**															
	Arch2406	منطق ومنهجية تصميم	**اساسي**															

- **يرجى وضع اشارة في المربعات المقابلة لمخرجات التعلم الفردية من البرنامج الخاضعة للتقييم**

MODULE DESCRIPTION FORM
نموذج وصف المادة الدراسية

Module Information معلومات المادة الدراسية					
Module Title	Principles of Art and Architecture I			Module Delivery	
Module Type	S			☒ Theory Lecture ☐ Lab ☐ Tutorial ☐ Practical ☒ Seminar	
Module Code	UOBAB0106013				
ECTS Credits	2				
SWL (hr/sem)	50				
Module Level	UGI		Semester of Delivery	1	
Administering Department	Architecture Engineering		College	Engineering	
Module Leader	Name: DR.HUSSAM JABBAR		e-mail	E-mail Eng.hussam.jabbar@uobabylon.end.iq	
Module Leader's Acad. Title	Professor		Module Leader's Qualification	Ph.D.	
Module Tutor	Name (if available)		e-mail	E-mail Eng.hussam.jabbar@uobabylon.end.iq	
Peer Reviewer Name	Name		e-mail	E-mail Eng.hussam.jabbar@uobabylon.end.iq	
Scientific Committee Approval Date	01/06/2023		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	The course aims to develop the capabilities of analysis and criticism by establishing the necessary principles and enhancing the study of the concepts of space, mass and form from various aspects, and reviewing the most important critical proposals that dealt with architecture as a hybrid product of science and art and deepening the student's sense at the entrance to his academic life of

	design elements such as line, direction, color and texture ..... etc. The course also aims to explain in detail the artistic trends in the nineteenth and twentieth centuries and link them with architecture so that the influence of each of these artistic movements on architecture becomes clear. On the contrary, the classical approach began with Greece and Romanism and ended with the new modernity approach in the nineties The last century and the beginning of the second millennium, passing through many artistic movements, including romanticism, impressionism, brutalism, cubism, expressionism, performance, surrealism, constructivism, Russian, and Steele
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	Acquaint the student with art and architecture To familiarize the student with the capabilities of scientific criticism Know the basics of architectural design Identify the elements of architectural design Learn the principles of architectural design
Indicative Contents المحتويات الإرشادية	Developing the capabilities of the student's artistic (3hrs) architectural creative thinking by developing his architectural information (4hrs) developing his drawing capabilities (4hrs) building his architectural memory by viewing architectural products with pictures and videos. (3hrs) The student's memory is also developed by feeding it with the biographies of international architects and architecture masters (3hrs)
Learning and Teaching Strategies	
Strategies	The strategies of the curriculum are divided into first: distant goals such as building a generation of architects capable of innovation that has high architectural taste and intermediate goals through building contemporary architectural thought that is able to combine contemporary, preservation and close goals through developing the student's architectural talents and providing them with intellectual and technical tools.

Student Workload (SWL) الحمل الدراسي للطالب			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	33	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	2.2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	17	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	1.2
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	1	5%	3.8	
	Assignments	1	5%	13.15	
	Projects / Lab.				
	Report	10%	10%	10-15	
Summative assessment	Midterm Exam	2 hr	30%	6,11	
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)	
	Material Covered Part 1
Week 1	The ability of analysis and criticism
Week 2	Perception of the architecture in the light of the intellectual development of its critics: Lewis was, Colin Lane, Alvaralto Broadbent, Zvi, Saranan, Ruskin
Week 3	Architectural features and acquaintances in the light of the proposals Fterovios and Alberti and Allsopp, etc. ..
Week 4	Target architecture in the light of the proposals Lewis was, Kirroyon, Antundiades .... etc.
Week 5	L Principles of Design: congruence and similarity and difference of proportionality and balance of unity and homogeneity
Week 6	Design elements:Line, direction, shape, size, texture and color and optical value
Week 7	Figure kinds of shapes, production methods Figure) Space (types of spaces)
	Explanation of the first architectural trends (in theory and practice)
Week 8	Organic trend in architecture and the trend in the expressionist architecture
Week 9	Organic trend in architecture and the trend in the expressionist architecture – supplement
Week 10	General explanation of the architectural trends in the nineteenth and twentieth and its relationship to architecture
Week 11	Being in the meaning and Architecture
Week 12	analysis marks (semiotics)
Week 13	Experimental research of aesthetics and criticism
Week 14	Two Port Networks, Admittance, Impedance, Hybrid, and Transmittance Parameters

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered

Learning and Teaching Resources مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	مباديء الفن والعمارة	Yes
Recommended Texts	عصر اساطين العمارة لمحات من تاريخ العمارة التعقيد والتناقض بالعمارة العمارة وتفسيرها	No
Websites	https://www.academia.edu/3882812/%D9%86%D8%B8%D8%B1%D9%8A%D8%A9_%D8%A7%D9%84%D8%B9%D9%85%D8%A7%D8%B1%D8%A9	

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	Mathematics I			Module Delivery	
Module Type	B			☒ Theory Lecture ☐ Lab ☐ Tutorial ☐ Practical ☐ Seminar	
Module Code	UOBAB0106014				
ECTS Credits	2				
SWL (hr/sem)	50				
Module Level	UGI		Semester of Delivery	1	
Administering Department	Architecture Engineering		College	University of Babylon	
Module Leader	Fatimah Fahem Alkhafaji		e-mail	mat.fatimah.fahem@uobabylon.edu.iq	
Module Leader's Acad. Title	Assist.Professor		Module Leader's Qualification	Ph.D.	
Module Tutor	Name (if available)		e-mail	E-mail	
Peer Reviewer Name	Name		e-mail	E-mail	
Scientific Committee Approval Date	01/06/2023		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	It is to give the student a general idea of mathematics as basic principles for a student in the College of Engineering, with the addition of some engineering applications that benefit the architecture student in his advanced stages.
Module Learning Outcomes مخرجات التعلم للمادة	1. Studying the Cartesian axes and the basics of analytical geometry (. 2. Learn a set of ways to draw functions using different techniques. 3. Using the concept of purpose, approximation, and approximation in consolidating and understanding the concept of mathematical differentiation.

الدراسية	4. Using the concept of purpose to explain the concept of differentiation and derivatives. 5. Application of quantitative and numerical methods for the purpose of solving engineering problems
Indicative Contents المحتويات الإرشادية	• Integral Calculus (8hr) Idea of integral, including elementary treatment of the definite integral as a limit using rectangles. Fundamental theorem of calculus. Methods of integration including integration by substitution, by parts and with partial fractions. Relation of integrals with areas. Trapezium and Simpson′s rules for numerical integration. • Differential Equations (10hr) First order ordinary differential equations by (a) separation and (b) integrating factor. Second order ordinary differential equations with constant coefficients and simple right- hand sides. (Complex roots included, but no resonance problems(. • Vectors (4hr) Vector geometry in R^2 and R^3 vector properties and manipulation. Unit vectors, position vectors, Cartesian coordinates. Scalar product and vector product. • Matrices and linear equations (4hr) Matrix properties, addition, multiplication. Inverse matrices, determinants. Linear mappings in R^2 (rotation, reflection). Systems of linear equations, Gaussian elimination and row operations. • Lines, planes and spheres (4hr) Implicit and parametric equations of lines. Implicit equations of planes. Intersections, distances between points, lines and planes. Equations of spheres, tangent planes. Linear dependence and independence, collinear and coplanar vectors.

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	• The usual theoretical presentation method using the writing board and depending on the method (how and why) of the subject and according to the curriculum of the subject. • Theoretical presentation method using the (data show) device, depending on the method (how and why) of the subject and according to the curriculum of the subject.

Student Workload (SWL) الحمل الدراسي للطالب			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	33	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	2.2
Unstructured SWL (h/sem)	17	Unstructured SWL (h/w)	1.2

الحمل الدراسي غير المنتظم للطالب خلال الفصل		الحمل الدراسي غير المنتظم للطالب أسبوعيا	
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	.5	10% (5)	5, 10	LO #1, 2, 10 and 11
	Assignments	2	10% (5)	2, 12	LO # 3, 4, 6 and 7
	Projects / Lab.	1	10% (5)	Continuous	
	Report	1	10% (5)	13	LO # 5, 8 and 10
Summative assessment	Midterm Exam	2 hr	10% (30)	7	LO # 1-7
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	
Week	Material Covered
Week 1	General introduction of numbers system and absolute values part1
Week 2	General introduction of numbers system and absolute values part1
Week 3	Definition of function and determination of domain and range
Week 4	Trigonometric function and its inverse (graph, domain and range)
Week 5	Trigonometric function and its inverse (graph, domain and range)
Week 6	Derivatives and its application in normal and trigonometric function and its inverses and using of derivatives in applications like determination of approximate values an local maximum and minimum points .
Week 7	Derivatives and its application in normal and trigonometric function and its inverses and using of derivatives in applications like determination of approximate values an local maximum and minimum points .
Week 8	Derivatives and its application in normal and trigonometric function and its inverses and using of derivatives in applications like determination of approximate values an local maximum and minimum points .
Week 9	Derivatives and its application in normal and trigonometric function and its inverses and using of derivatives in applications like determination of approximate values an local maximum and minimum points .
Week 10	Derivatives and its application in normal and trigonometric function and its inverses and using

	of derivatives in applications like determination of approximate values an local maximum and minimum points .
Week 11	Limits
Week 12	Limits
Week 13	Graph of functions
Week 14	Graph of functions
Week 15	Overview

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	Calculus, Thomas, Pearson Education 2005	Yes
Recommended Texts	• Calculus (Haward Anton) • Advanced Mathematics for Engineering Studies (Riad Ahmed Ezzat)	
Websites	Websites and websites discreet . Library locations in some international universities	

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 I			Module Delivery	
Module Type	B			☒ Theory Lecture ☒ Lab ☐ Tutorial ☒ Practical ☐ Seminar	
Module Code	UOBAB0106016				
ECTS Credits	3				
SWL (hr/sem)	75				
Module Level	UGI		Semester of Delivery	1	
Administering Department	Architecture Engineering		College	University of Babylon	
Module Leader	Dr.evan madhy hamza		e-mail	Eng.evan.rubae@uobabylon.edu.iq	
Module Leader's Acad. Title	Professor		Module Leader's Qualification	Ph.D.	
Module Tutor	Name (if available)		e-mail	E-mail	
Peer Reviewer Name	Name		e-mail	E-mail	
Scientific Committee Approval Date	01/06/2023		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	The student, after completing the academic year, is able to: 1. Introducing students to generations and components of computers 2. Familiarize students with the Windows 7 operating system 3. Dealing with the Ward system with all its available capabilities

	4. How to deal with the Excel system - Developing the student's ability to use the Excel program and the method of using equations in Excel 5. Dealing with charts 6. Introducing the PowerPoint program and identifying its capabilities 7. Introducing the student to the Photoshop program and how to deal with it 8. Introducing students to the Internet and how to deal with it and search for it.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	The student should be able to deal with the Excel system in terms of mathematical operations and equations, how to make presentations in the Power Point system, and knowledge of the calculator and its operation
Indicative Contents المحتويات الإرشادية	1- The student should be familiar with the calculator and its components (10hu) 2- To be interested in mathematical operations and electronic tables through his knowledge of the Excel system (10hu) 3- To have knowledge of the PowerPoint system to be able to do research and how to display it on different display screens (10hu) 4- Knowledge of Photoshop is important for the student in many fields, including architectural rendering (7hu)

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	1- Conducting research and reports on Excel and using the most important equations and applying them in several systems 2- Creating reports and presenting them in a Power Point manner 3- Make designs using Photoshop

Student Workload (SWL) الحمل الدراسي للطالب

Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	4.2	Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	63
Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	2.4	Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	37
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	100		

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				
	Projects / Lab.				
	Report	1	10% (10)	13	LO # 5, 8 and 10
Summative assessment	Midterm Exam	2 hr	30% (30)	7	LO # 1-7
	Final Exam	2hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered
Week 1	*Subject*
Week 2	Definition of the computer, its components, types and methods of operation
Week 3	Personal computer,workstation,minicomputer,mainframe and supercomputer
Week 4	Tower model ,desktop modle and notebook computer
Week 5	Explanation system ms-dos
Week 6	Explanation the order of system ms-dos(cd, dir,copy,del,edit,move,ren,cls)
Week 7	definition of the file and type
Week 8	Examination
Week 9	The basic functions of the operating system
Week 10	The most important characteristics of Windows 7
Week 11	Some common types of operating systems.
Week 12	Features a word processor program
Week 13	Explanation the list of insert(picture,shape,table,chart)
Week 14	Explanation file (save,save as,open,new,print,exit)
Week 15	Explanation page layout

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	
	Material Covered

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	Data and information technology Introduction to the computer	Yes
Recommended Texts		No
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 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	Arabic language			Module Delivery	
Module Type	B			☒ Theory Lecture ☐ Lab ☐ Tutorial ☒ Practical ☐ Seminar	
Module Code	UOBAB1102				
ECTS Credits	2				
SWL (hr/sem)	50				
Module Level	UG I		Semester of Delivery	1	
Administering Department	Architecture Engineering		College	University of Babylon	
Module Leader	Ashref mana farhood		e-mail	ashrefmana@gmail.com	
Module Leader's Acad. Title	Professor		Module Leader's Qualification	Ph.D.	
Module Tutor	Name (if available)		e-mail	E-mail	
Peer Reviewer Name	Name		e-mail	E-mail	
Scientific Committee Approval Date	01/06/2023		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	للطلبه وتمكينهم من التعبير أن الهدف من تدريس مادة اللغه العربيه في هذا القسم هو الكفاءة اللغويه الغلط واللون العامي والاعجمي بابسط عن أفكارهم ومشاريعهم بلغه عربية فصيحه واضحه خاليه من أفراد المجتمع ، ومتى تمكن الانسان من لغته استطاع الطرق . فاللغة هي أداة الايصال الاولى بين وان ذلك .يسهل تعامله معهم ويتمكن من تحقيق هدفه في العمل الوصول الى أذهان الاخرين بحيث نوعاً من التعادل بين مناهج الماده العلميه يؤدي الى تحقيق التوازن المفترض في ثقافه الطلبه فهو يضمن هذ المحاضرات تدريس مایاتي : قواعد اللغه العربيه ، وقواعد ووسيله ايصالها او التعبير عنها وتتضمن الاغلاط اللغويه الشائعه ، فضلا عن دراسه بعض النصوص الادبيه والقرانيه الاملاء ، ومعالجه بعض.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	التعرف إلى مستويات نظام اللغة العربية. معرفة القواعد النحوية والصرفية. وصف المناهج النقدية والظواهر الأدبية. التعريف بأبرز المصنفات اللغوية والأدبية.
Indicative Contents	المهارات العملية أو المهنية:

قراءة النصوص الأدبية وكتابتها وفق المعايير النحوية والصرفية. (1 ساعة) تقطيع الشعر العربي وفقًا للبحور الشعرية في علم العروض. (1 ساعة) تدقيق النصوص الأدبية وتصويب الأخطاء الواردة فيها. (1 ساعة) الكتابة الإبداعية التي تعبر عن الذات وقضايا المجتمع. (1 ساعة) التعبير الشفوي وفن الإلقاء في الميدان المهني والمناسبات العامة. (1 ساعة) توظيف أدوات البحث العلمي في كتابة الأبحاث العلمية. (1 ساعة) استخدام المعاجم اللغوية. المهارات المنقولة/ العامة: ممارسة الكتابة والكلام باللغة العربية الفصيحة. (1 ساعة) كتابة المقالات الأدبية بلغة سليمة. (1 ساعة) تنويع مصادر التعلم ووسائل التقويم. (1 ساعة) مواجهة المشاكل التي تواجهه في مهنته وحلها. (1 ساعة) التكيف مع وظائف بديلة عن الوظيفة التي يقتضيها التخصص. (1 ساعة) مهارات الاتصال، وتقنية المعلومات: الاتصال والتواصل مع الآخرين. (1 ساعة) تعزيز المحتوى العربي على الشبكة العنكبوتية. (1 ساعة) التعلم الإلكتروني واستخدام الحاسوب في التعليم. (1 ساعة) تعزيز الثقة بالنفس والجرأة والفصاحة. (1 ساعة) المنافسة والتميز في سوق العمل. (1 ساعة)	المحتويات الإرشادية

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
إن اللغة العربية لغة عريقة وقديمة، بالإضافة إلى ذلك فهي لغة القرآن الكريم، والتي يجب على جميع المسلمين اتقانها. تحافظ اللغة العربية على الإرث الثقافي والأدبي الكبير التي تركه الأدباء والعلماء العرب. تساعد اللغة العربية الطالب على التعبير عن نفسه بشكل صحيح وأسلوب سليم، وذلك نظرا لأن التلاميذ من خلالها يتعلمون المفاهيم والمصطلحات ويستوعبونها، ومن ثم يقومون باستخدام هذه المصطلحات للتعبير عن أفكارهم. تعلب اللغة العربية في تزويد الطالب بعدد كبير من المفردات الأمر الذي يجعله يستخدم اللغة بكل يسر وسهولة وخاصة في حال رغب في كتابة الشعر والأدب. هذه كانت أبرز طرق تدريس اللغة العربية والتيمن خلالها يتم تعليم الطلاب اللغة العربية بشكل سليم ليلعبوا دورهم في الحفاظ على اللغة العربية وتطويرها، ودفعها إلى الأمام.	Strategies

Student Workload (SWL) الحمل الدراسي للطالب			
2.2	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	33	Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل
1.4	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	17	Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل

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	1	10% (10)	5, 10	LO #1, 2, 10 and 11
	Assignments	3	10% (10)	8	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	hr3	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)
المنهاج الاسبوعي النظري

	Material Covered
Week 1	قواعد اللغه العربيه : الكلام وما يتالف منه : الاسم ، والفعل والحرف
Week 2	قواعد : الفعل واقسامه ، علاماته ، الفعل الماضي
Week 3	قواعد فعل الامر ، الحرف وما يتميز به
Week 4	قواعد : الاعراب والبناء ، وعلاماته الاعراب ، والمثنى والملحق به
Week 5	ادب ، ونص شعري ، ودراسه وتحليل
Week 6	قواعد : جمع المذكر السالم / والملحق به
Week 7	قواعد : الملحقه بالاسماء السته
Week 8	قواعد : المبتدأ والخبر ، انواع المبتدأ واحكامه
Week 9	قواعد : الخبر ، تعريفه وانواعه
Week 10	املاء : قواعد كتابه الهمزة
Week 11	ادب : نص نثري . دراسه وتحليل
Week 12	قواعد : اغلاط لغويه شائعه
Week 13	املاء : قواعد كتابه الالف في نهايه الكلمة
Week 14	محاضرة عامه ومناقشات
Week 15	امتحان

Delivery Plan (Weekly Lab. Syllabus)
المنهاج الاسبوعي للمختبر

Learning and Teaching Resources

مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	- شرح ابن عقيل على الفية ابن مالك . - - جامع الدروس العربية تاليف مصطفى الغلاييني.	Yes
Recommended Texts		No
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 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	Architectural design I & Graphic design l			Module Delivery	
Module Type	C			☒ Theory Lecture ☐x Lab x☐ Tutorial ☒ Practical ☐ Seminar	
Module Code	UOBAB0106021				
ECTS Credits	12				
SWL (hr/sem)	300				
Module Level	1 1		Semester of Delivery	1	
Administering Department	Architecture Engineering		College	University of Babylon	
Module Leader	Name: mahmood.rezooky		e-mail	E-mail eng.mahmood.rezooky@uobabylon.edu.iq	
Module Leader's Acad. Title	Professor		Module Leader's Qualification	Ph.D. mahmood.rezooky	
Module Tutor	Name: Ph.D. ola.abid		e-mail	E-mail: eng.ola.abid@uobabylon.edu.iq	
Peer Reviewer Name	Name		e-mail	E-mail	
Scientific Committee Approval Date	01/06/2023		Version Number	1.0	

Relation with other Modules العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	c	Semester	1
Co-requisites module	c	Semester	

Module Aims, Learning Outcomes and Indicative Contents أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Aims أهداف المادة الدراسية	Preparing the student to enter the world of architecture intellectually, conceptually and scientifically as a basic work base, and introducing him to the concept of architecture by identifying the principles of design, composition, the third dimension, the architectural space, the human scale, the surroundings of the urban environment, and others. And the development of the student's language of expression for those vocabulary and others. The subject also focuses on developing his artistic and formative sense and the analytical-synthetic thinking style, as well as developing his perception and sensitivity to the natural and urban environment and respect for it, starting from realizing and appreciating the urban

	environment and studying the formative, formative and directive relationships of its elements and components. تهيئة الطالب لدخول عالم العمارة فكريا ومفاهميا وعلميا كقاعدة عمل أساسية ,وتعريفه بمفهوم العمارة من خلال التعرف على مبادئ التصميم والتكوين والبعد الثالث والفضاء المعماري والمقياس الانساني ومحيط البيئة الحضرية وغيرها . وتنمية لغة التعبير لدى الطالب عن تلك المفردات وغيرها . ويركز الموضوع ايضا على تنمية الحس الفني والتكويني لديه ونمط التفكير التحليلي –التركيبي فضلا عن تنمية ادراكه وتحسسه للبيئة الطبيعية والعمرانية واحترامها ابتداء من ادراك وتذوق البيئة لحضرية ودراسة العلاقات التكوينية والتشكيلية والاخراجية لعناصرها ومكوناتها. The architectural drawing is one of the most important means of expressing architect's design ideas. Therefore, the course aims to build and develop the stud expressive skills, in addition to training him on the use of different materials techniques in presentation. The subject focuses on the gradual building of the stud skills through a clear sequence of exercise, starting from exercises related to line va and ending with two-dimensional drawings (Two Dimensional Drawings represented by the horizontal and vertical plans (Sections and Elevations plans المعماري احد اهم وسائل التعبير عن افكار المعماري التصميمية . ولذلك فان المادة تهدف الى بناء وتنمية ت الطالب التعبيرية بالاضافة الى تدريبه على استخدام المواد والتقنيات المختلفة في الاظهار كز الموضوع على البناء التدريجي لمهارات الطالب من خلال التسلسل الواضح للتمرين Presentation(ابتداء من التمارين الخاصة بقيم الخط ووصولا الى الرسومات ذات البعدين Two Dimens( ) Drawings( ) المتمثلة بالمساقط الافقية والعمودية Sections and Elevations plans, .(
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	The student is prepared through architectural design and drawing for a full year, after which he is able to use all that he has learned from calligraphy technique, binary and triple formation in addition to the human scale, the basics of architectural design, then he can identify the elements of architectural design and learn the principles of architectural design. He then qualifies in a simple form for architectural criticism. And guidance to design something primitive for a simple project. Where it is fully prepared for it in terms of the student's ability to design what is required of him in a way that leads to his development later in the second stage يتهيئ الطالب من خلال التصميم والرسم المعماري لمدة سنه كاملة حيث يتمكن بعدها من استخدام كل ما تعلمه من تقنية الخط والتكوين الثنائي والثلاثي اظافة الى المقياس الانساني أساسيات التصميم المعماري ثم يستطيع بعدها التعرف على عناصر التصميم المعماري وتعلم مبادئ التصميم المعماري .يتاهل بعدها بشكل بسيط للنقد المعماري والتوجيه لتصميم شئ بدائي لمشروع بسيط . حيث يكون متهيأ لها بشكل كامل من حيث قدرة الطالب على تصميم ما مطلوب منه بشكل يؤدي الى ان يتطور لاحقا في المرحلة الثانية
Indicative Contents المحتويات الإرشادية	Developing the capabilities of the student's artistic (20hrs(architectural creative thinking by developing his architectural information (20hrs(developing his drawing capabilities (10hrs(building his architectural memory by viewing architectural products with pictures and videos. (10hrs(Learn how to show by professional hand drawing and in different styles, watercolors, acrylic markers, etc (10hrs (Performing all that is required of drawing class assignments from drawing projects in all their stages and showing them at a high professional level through manual drawing) (30hrs (تنمية قدرات الطالب الفنية (20 ساعة). التفكير الإبداعي المعماري من خلال تطوير معلوماته المعمارية (20 ساعة)

	تطوير قدراته في الرسم (10 ساعات). بناء ذاكرته المعمارية من خلال عرض المنتجات المعمارية بالصور والفيديو. (10 ساعات) تعلم كيفية العرض من خلال الرسم اليدوي الاحترافي وبأشكال مختلفة ، وألوان مائية ، وأقلام تحديد أكريليك ، وما إلى ذلك (10 ساعات) القيام بكل ما هو مطلوب من رسم الواجبات الصفية من رسم المشاريع في جميع مراحلها وإظهارها على مستوى احترافي عالٍ من خلال الرسم اليدوي (30 ساعة).

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	

Student Workload (SWL) الحمل الدراسي للطالب			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	180	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	12
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	120	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	8
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	300		

Module Evaluation Architectural Design l تقييم المادة الدراسية للتصميم المعماري l					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes				
	Assignments	10	25% (25)	2, 4,5,6,7, ,9,10,11	
	Projects / Lab.	2	15% (15)	Continuous	
	Report				
Summative assessment	Midterm Exam	2	10%	12,14	
	Final Exam				All
Total assessment			50% (50 Marks)		

Module Evaluation Architectural Drawing I تقييم المادة الدراسية للرسم المعماري l					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes				
	Assignments				
	Projects / Lab.	5	25% (25)	2, 5, ,7 ,10,11	
	Report	4	20% (20)	Continuous	

Summative assessment	Midterm Exam				
	Final Exam	2	10% (10)	8, 14	All
Total assessment			50% (50 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	
١	Material Covered

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
Week 1	Quality of lines in free hand and to scale by measuring instruments
Week 2	Composition fundamentals in pencil graphic shade
Week 3	Composition fundamentals in collage
Week 4	Composition types
Week 5	Color circle
Week 6	Composition in color
Week 7	The abstraction
Week 8	2D composition abstraction – prelim
Week 9	re- final
Week 10	Final 2D composition of abstraction
Week 11	Day Sketch
Week 12	3D composition
Week 13	Human

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	Neufert Architecture s Data -Architectural Design Data -Landscape Architectre -Site construction Detalis -Pencil Skeching -Perspecttive Drawing	Yes
Recommended Texts		No
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 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	Freehand Drawing I			Module Delivery	
Module Type	C			☒ Theory Lecture ☒ Lab ☐ Tutorial ☒ Practical ☒ Seminar	
Module Code	UOBAB0106012				
ECTS Credits	7				
SWL (hr/sem)	175				
Module Level	UGI		Semester of Delivery	1	
Administering Department	Architecture Engineering		College	University of Babylon	
Module Leader	Name		e-mail	E-mail	
Module Leader's Acad. Title	Professor		Module Leader's Qualification	Ph.D.	
Module Tutor	Name (if available)		e-mail	E-mail	
Peer Reviewer Name	Name		e-mail	E-mail	
Scientific Committee Approval Date	01/06/2023		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	The student learns about the most important techniques used in the basics of free drawing and the design process, such as pencils, inking pens, colored wooden pencils, watercolors, poster colors, and oil colors. - Developing the student's ability in the principles of choosing the appropriate formation and color and feeling them. - Exercising the student's eye on perceiving minute details in tangible physical reality and perceiving proportions, movement, shadow, light and color. - Enabling the student to absorb the vocabulary that he will use in other lessons, such as architectural design and architectural drawing. The successful student submits to the second stage no more than ten works of art during the summer vacation, representing: Documentation of some heritage buildings with pencils, inking pens and wooden pens, documentation of some memorials in Baghdad and the provinces, or movable drawings of Iraqi and international

	buildings. Optional drawing / additional materials that the student registers on according to his desire and for all classes, and the following is emphasized: - Additional assignments for various topics drawn by the student, transferring international, Arab and local paintings using different techniques. Drawing posters and cards for different occasions, training students who want to learn clay techniques in sculpture and ceramics, adding skill in using gypsum in implementing design shapes that are difficult to implement with conventional materials (such as cardboard and cork).
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	6- Acquaint the student with art and architecture 7- To familiarize the student with the capabilities of scientific criticism 8- Know the basics of architectural design 9- Identify the elements of architectural design 10- Learn the principles of architectural design
Indicative Contents المحتويات الإرشادية	Study theories of art extensively and broadly (8hrs) Learn about artistic practices of all kinds (8hrs) Studying different drawing methods by getting acquainted with watercolors, acrylics and markers (8hrs) Engaging in development courses for artistic faculties in drawing Methods (8hrs) Taking remedial courses in technical planning methods and studying scale drawing (8hrs) Accurately perform the duties assigned to the student and try to repeat them (8hrs) Trying to draw silent life constantly (8hrs) Drawing the largest number of paintings of buildings and architectural structures and discovering the resulting errors (8hrs) Studying technical drawing methods through the computer through different drawing programs (8hrs) Shading by using the lead pencil. (8hrs)

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	The strategies of the curriculum are divided into first: distant goals such as building a generation of architects capable of innovation that has high architectural taste and intermediate goals through building contemporary architectural thought that is able to combine contemporary, preservation and close goals through developing the student's architectural talents and providing them with intellectual and technical tools.

Student Workload (SWL) الحمل الدراسي للطالب			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	120	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	8

Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	80	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	5.3
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	200		

Module Evaluation تقييم المادة الدراسية					
As		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes				
	Assignments	2	30% (30)	2, 12	LO # 3, 4, 6 and 7
	Projects / Lab.	3	40% (40)	Continuous	
Summative assessment	Midterm Exam	2 hr	30% (30)	7	LO # 1-7
					All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
Week	Material Covered The first part of the curriculum takes Four hours per week during the first semester
Week 1	An Introduction to the material of the free hand and it's types.
Week 2	Training the students to use the hand for using the types of lines.
Week 3	Training the students to draw the cubes in different directions.
Week 4	The engineering shapes: square,rectangle….etc.
Week 5	Shading by using the lead pencil.
Week 6	Approximation and Abstraction of the free forms.
Week 7	Life Perspective drawing for three shapes or more.
Week 8	Training to use the colors to paint the posters.
Week 9	Drawing Formation or shaping by using the white and black colors.
Week 10	The technique used in some materials(Class, Wood, materials…)
Week 11	Perspective studying and exercises about the engineering shapes.
Week 12	Perspective studying by using different techniques in drawing.
Week 13	The techniques used in data drawing and trees.

Week 14	Review
Week 15	Review
Week	Material Covered The Second part of the curriculum takes Four hours per week during the first semester
Week 1	Perspective of building with two points.
Week 2	Continued.
Week 3	Perspective of inner building.
Week 4	Perspective of some international building.
Week 5	The stage quick planning.
Week 6	The stage of pens. Studying the techniques of drawing by pens.
Week 7	Planning for some type of trees.
Week 8	Drawing a perspective for a building with a pen.
Week 9	Studying a Portrait with focusing on the general planning.
Week 10	The stage of painting by the wooden pencil.
Week 11	Painting many types of trees with painting a fruitful quarter.
Week 12	Painting a perspective with vanished points.
Week 13	Examination and introducing all the previous paintings.
Week 14	Review
Week 15	Review

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	Book of free manual drawing Figure Drawing	Yes
Recommended Texts		No
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 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	FX – Fail	راسب (قيد المعالجة)	(45-49)	More work required but credit

(0 – 49)				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	Human Rights and democracy			Module Delivery	
Module Type	B			☒ Theory Lecture ☒ Lab ☐ Tutorial ☐ Practical ☒ Seminar	
Module Code	UOBAB1104				
ECTS Credits	2				
SWL (hr/sem)	50				
Module Level		UGxII	Semester of Delivery		1
Administering Department		Architecture Engineering	College	Type College Code	
Module Leader	Name Yousra Adil Humedy		e-mail	E-mail yousry. Alghazali@uobabylon.edu.iq	
Module Leader's Acad. Title		Professor	Module Leader's Qualification		Ph.D.
Module Tutor	Name (if available)		e-mail	E-mail	
Peer Reviewer Name		Name	e-mail	E-mail	
Scientific Committee Approval Date		01/06/2023	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	أن يحدد الطلبة معنى حقوق ألإنسان أن يعرف الطلبة جذور ونشأة حقوق ألإنسان وتطورها في تاريخ البشرية أن يبين الطلبة حقوق ألإنسان في الحضارات القديمة والشرائع السماوية أن يشرح الطلبة حقوق ألإنسان في حضارة وادي الرافدين

	أن يشرح الطلبة حقوق ألإنسان في الحضارات القديمة الأخرى أن يعرف الطلبة حقوق ألإنسان في الأسلام أن يذكر الطلبة ماهية حقوق ألإنسان في الشريعة الإسلامية أن يعرف الطلبة حقوق ألإنسان في العصور الوسطى والحديثة أن يذكر الطلبة الاعتراف الدولي المعاصر بحقوق ألإنسان على الصعيد الأوربي والأمريكي والأفريقي والإسلامي والعربي أن يحدد الطلبة النقاط التي نص عليها ميثاق الأمم المتحدة أن يشرح الطلبة نشوء المنظمات غير الحكومية ودورها في ميادين حقوق ألإنسان
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	
Indicative Contents المحتويات الإرشادية	

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	

Student Workload (SWL) الحمل الدراسي للطالب			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	33	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	2.2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	17	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	1.4
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	.5	10% (5)	5, 10	LO #1, 2, 10 and 11
	Assignments	2	10% (5)	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	10% (30)	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	مدخل لدراسة حقوق الانسان (مفهوم الحق). - جذور حقوق الانسان وتطورها القانوني. حقوق الانسان في الاسلام.
Week 2	تعريف حقوق الانسان. - خصائص حقوق الانسان. - مميزات حقوق الانسان
Week 3	صادر حقوق الانسان. - المصادر الدولية لحقوق الانسان: 1- الاعلان العالمي لحقوق الانسان. 2- العهد الدولي الخاص بالحقوق المدنية والسياسية. 3-العهد الدولي الخاص بالحقوق الاقتصادية والاجتماعية والثقافية.
Week 4	مصادر الوطنية لحقوق الانسان. - اعلان حقوق الانسان والمواطن الفرنسي عام 1789. الدساتير والاعلانات الفرنسية التي تلت اعلان حقوق الانسان الفرنسي عام 1789.
Week 5	دستور جمهورية العراق الدائم سنة 2005. - ضمانات حقوق الانسان: الضمانات الدستورية العامة (الاساسية)- الضمانات الدستورية الخاصة. -الضمانات القضائية
Week 6	ضمانات حقوق الانسان في الاسلام. - دور ميثاق الامم المتحدة في حماية حقوق الانسان. دور المنضمات الاقليمية في حماية حقوق الانسان.
Week 7	مستقبل حقوق الانسان - التقدم التكنولوجي وأثره على الحقوق والحريات. -حلقة نقاشية بخصوص الاسئلة والاستفسارات عن مواضيع حقوق الانسان
Week 8	مقدمة عن الحرية والديمقراطية. - واقع الحرية الفردية تاريخيا. -دراسة الاطار الفكري والفلسفي حول موضوع الحرية.
Week 9	مفهوم الحقوق والحريات.- مستوى الحريات العامة. - الحقوق والحريات العامة في الشريعة الاسلامية.
Week 10	انواع الانظمة السياسية من حيث ممارسة السلطة
Week 11	نشأة الديمقراطية. - صور الديمقراطية. - الديمقراطية المباشرة
Week 12	- الديمقراطية النيابية. - الديمقراطية شبه المباشرة.
Week 13	المظاهر الرئيسية للديمقراطية شبه المباشرة.
Week 14	المظاهر الثانوية للديمقراطية شبه المباشرة
Week 15	مفهوم الانتخاب وتكييفه القانوني. - حلقة نقاشية بخصوص الاسئلة والاستفسارات عن مواضيع الحرية والديمقراطية

Delivery Plan (Weekly Lab. Syllabus)
المنهاج الاسبوعي للمختبر

	Material Covered

Learning and Teaching Resources
مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts		Yes
Recommended Texts		No
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 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	Principles of Art and Architecture II			Module Delivery	
Module Type	S			☒ Theory Lecture ☐ Lab ☒ Tutorial ☐ Practical ☒ Seminar	
Module Code	UOBAB0106021				
ECTS Credits	2				
SWL (hr/sem)	50				
Module Level	UGI		Semester of Delivery	2	
Administering Department	Architecture Engineering		College	University of Babylon	
Module Leader	Name:DR.HUSSAM JABBAR		e-mail	E-mail Eng.hussam.jabbar@uobabylon.end.iq	
Module Leader's Acad. Title	Professor		Module Leader's Qualification	Ph.D.	
Module Tutor	Name (if available)		e-mail	E-mail Eng.hussam.jabbar@uobabylon.end.iq	
Peer Reviewer Name	Name		e-mail	E-mail Eng.hussam.jabbar@uobabylon.end.iq	
Scientific Committee Approval Date	01/06/2023		Version Number	1.0	

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

odule Aims, Learning Outcomes and Indicative Contents أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Aims أهداف المادة الدراسية	The course aims to develop the capabilities of analysis and criticism by establishing the necessary principles and enhancing the study of the concepts of space, mass and form from various aspects, and reviewing the most important critical proposals that dealt with architecture as a hybrid product of science and art and deepening the student's sense at the entrance to his academic life of design elements such as line, direction, color and texture ..... etc. The course also aims to explain in detail the artistic trends in the nineteenth and twentieth centuries and link them with architecture so that the influence of each of these artistic movements on architecture becomes clear. On the contrary, the classical approach began with Greece and Romanism and ended with the new modernity

	approach in the nineties The last century and the beginning of the second millennium, passing through many artistic movements, including romanticism, impressionism, brutalism, cubism, expressionism, performance, surrealism, constructivism, Russian, and Steele
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	-1 Acquaint the student with art and architecture -2 To familiarize the student with the capabilities of scientific criticism -3 Kn the principles of architectural design ow the basics of architectural design -4 Identify the elements of architectural design 5- Learn
Indicative Contents المحتويات الإرشادية	Developing the capabilities of the student's artistic (3hrs) architectural creative thinking by developing his architectural information (4hrs) developing his drawing capabilities (4hrs) building his architectural memory by viewing architectural products with pictures and videos. (3hrs) The student's memory is also developed by feeding it with the biographies of international architects and architecture masters (3hrs)

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	The strategies of the curriculum are divided into first: distant goals such as building a generation of architects capable of innovation that has high architectural taste and intermediate goals through building contemporary architectural thought that is able to combine contemporary, preservation and close goals through developing the student's architectural talents and providing them with intellectual and technical tools.

Student Workload (SWL) الحمل الدراسي للطالب			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	33	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	2.2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	17	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	1.4
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	Quizzes	1	5%	3.8	

assessment	Assignments	1	5%	13.15	
	Projects / Lab.				
	Report	10%	10%	10-15	
Summative assessment	Midterm Exam	2 hr	30%	6,11	
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)	Total assessment	100% (100 Marks)

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري 2	
	Material Covered
Week 1	Classical direction when the Greeks and Romans, the Renaissance and the seventeenth century
Week 2	The real trend in the second half of the nineteenth century impressionism in the last quarter of the nineteenth century - the artist impressionist Cezanne new Impressionist
Week 3	Brutality in art, Cubism by explaining the work of the artist Picasso
Week 4	Expressionism in art - Kandinsky future in art
Week 5	Performing Surrealism - Salvador Dali, abstract art – Mondrian
Week 6	Supremacy - Malvj Russian Constructivism - my father Steel Movement
Week 7	General explanation of the relationship of artistic trends in architecture
Week 8	Romance and architecture: Modern Art Nouveau movement, Gaudi, expressive architecture trends in expressive movement in the new architecture and expressive
Week 9	Future architecture, and future expressive in the architecture (link points and separation in Architecture
Week 10	destil architecture, Bauhaus
Week 11	General explanation of the architectural trends in the nineteenth and twentieth and its relationship to architecture
Week 12	The repercussions of the technical trends in the late modern architecture, and postmodernism and the new modernity (disassembly and folding)

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered

Learning and Teaching Resources مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	مباديء الفن والعمارة	Yes
Recommended Texts	عصر اساطين العمارة العمارة وتفسيرها	No
Websites	https://www.academia.edu/3882812/%D9%86%D8%B8%D8%B1%D9%8A%D8%A9_%D8%A7%D9%84%D8%B9%D9%85%D8%A7%D8%B1%D8%A9	

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	Building Construction I			Module Delivery	
Module Type	C			☒ Theory Lecture ☐ Lab ☒ Tutorial ☒ Practical ☐ Seminar	
Module Code	UOBAB0106022				
ECTS Credits	6				
SWL (hr/sem)	150				
Module Level		UGI	Semester of Delivery		2
Administering Department		Architecture Engineering	College	University of Babylon	
Module Leader	Name: Alaa hadi		e-mail	E-mail eng.alaa.hadi@uobabylon.edu.iq	
Module Leader's Acad. Title		Professor	Module Leader's Qualification		Ph.D.
Module Tutor	Name (if available)		e-mail	E-mail	
Peer Reviewer Name		Name	e-mail	E-mail	
Scientific Committee Approval Date		01/06/2023	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	The course aims to teach the student, on the various building materials used locally and globally, with a focus on local building materials, and the installation of materials together during the first semester.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	**List the graduate outcomes for the program and indicate where they are documented.If the graduate outcomes are stated differently than those listed in Criterion 2, provide a mapping of the program's graduate outcomes to the Graduate Outcomes (i) through (vii) listed in Criterion 2 of the Accreditation Criteria.**
Indicative Contents المحتويات الإرشادية	Video lectures, presentations (power point), screens, graphics, theoretical lectures, and other means of clarifying the scientific material (11h)

	the definition of construction materials and local cuisine (identification of factors affecting (10h) the quality of the materials and the method of election (10h) construction concepts , the inlay of its walls and partitions floor foundations and ceilings (12h) construction use of brick, types of bric the joints of the the process of construction leveling mortaring (10h) construction using stones, the classification of the stones, types of stone walls, the joints of the stone blocks (12h) construction concrete blocks (12h) wood their uses in building construction- carrier walls and wooden framing (10h)

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	1. Graduating highly qualified architects. 2. Building the leadership qualities of its graduates by teaching them how to lead, solve construction problems, and the ability to choose appropriate construction details and materials. 3. Instilling a spirit of imagination in graduates and a commitment to acquiring knowledge and serving the community. 4. Contribute to project ideas, conduct research for the benefit and development of society, and involve students to work on projects that are under implementation. 5. Taking care of the outstanding students and encouraging them to use their skills. 6 Focusing on correct scientific, academic, professional and high ethical standards within the university campus. and encourage sharing

Student Workload (SWL) الحمل الدراسي للطالب			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	63	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	4.2
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	Quizzes				LO #1, 2, 10 and 11
	Assignments	8	10% (10)	5, 10	
	Projects / Lab.				
	Report	1	10% (10)	13	LO # 5, 8 and 10
Summative assessment	Midterm Exam	2 hr	30% (10)	7	LO # 1-7
	Final Exam	2hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered
Week 1	the definition of construction materials and local cuisine (identification of factors affecting the quality of the materials and the method of election
Week 2	construction concepts , the inlay of its walls and partitions floor foundations and ceilings
Week 3 -4-5	construction use of brick, types of bric the joints of the the process of construction leveling mortaring
Week 6-7	construction using stones, the classification of the stones, types of stone walls, the joints of the stone blocks
Week 8-9	construction concrete blocks
Week 10	wood their uses in building construction- carrier walls and wooden framing
Week 11	the iron and steel (versatility in construction (structural characteristics, structural systems

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	Fundamentals of Electric Circuits, C.K. Alexander and M.N.O Sadiku, McGraw-Hill Education	Yes
Recommended Texts	DC Electrical Circuit Analysis: A Practical Approach Copyright Year: 2020, dissidents.	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 II	Module Delivery	
Module Type	B	☒ Theory Lecture ☐ Lab ☐ Tutorial ☐ Practical ☒ Seminar	
Module Code	UOBAB0106023		
ECTS Credits	2		
SWL (hr/sem)	50		

Module Level	UGx11 1	Semester of Delivery	2
Administering Department	Architecture Engineering	College	University of Babylon
Module Leader	Fatimah Fahem Alkhafaji	e-mail	mat.fatimah.fahem@uobabylon.edu.iq
Module Leader's Acad. Title	Assist.Professor	Module Leader's Qualification	Ph.D.
Module Tutor	Name (if available)	e-mail	E-mail
Peer Reviewer Name	Name	e-mail	E-mail
Scientific Committee Approval Date	01/06/2023	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	It is to give the student a general idea of mathematics as basic principles for a student in the College of Engineering, with the addition of some engineering applications that benefit the architecture student in his advanced stages
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	.A1- Studying the Cartesian axes and the basics of analytical geometry (.A 2- Learn a set of ways to draw functions using different techniques A3 - Using the concept of purpose, approximation, and approximation in consolidating and understanding the concept of mathematical .differentiation A 4- Using the concept of purpose to explain the concept of .differentiation and derivatives A5 - Application of quantitative and numerical methods for the purpose of solving engineering problems
Indicative Contents المحتويات الإرشادية	1. Conic sections (4hr) 2. Introduction of Integration (2hr)

	3. Integration of ordinary functions (2hr) 4. indefinite integrations (2hr) 5. Definite integrations (2hr) 6. Transcendental functions (logarithm and exponential functions : derivatives and graphs (6hr) 7. Applications of integration (4hr) 8. Techniques of integration (6hr) 9. Overview (2hr)

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	Type something like: The main strategy that will be adopted in delivering this module is to encourage students' participation in the exercises, while at the same time refining and expanding their critical thinking skills. This will be achieved through classes, interactive tutorials and by considering type of simple experiments involving some sampling activities that are interesting to the students.

Student Workload (SWL) الحمل الدراسي للطالب			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	33	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	2.2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	17	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	1.4
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	.5	10% (5)	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	10% (25)	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	Conic sections
Week 2	Conic sections
Week 3	Introduction of Integration
Week 4	Integration of ordinary functions
Week 5	indefinite integrations
Week 6	Definite integrations
Week 7	Transcendental functions (logarithm and exponential functions : derivatives and graphs
Week 8	Transcendental functions (logarithm and exponential functions : derivatives and graphs
Week 9	Transcendental functions (logarithm and exponential functions : derivatives and graphs
Week 10	Applications of integration
Week 11	Applications of integration
Week 12	Techniques of integration
Week 13	Techniques of integration
Week 14	Techniques of integration
Week 15	Overview

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
٧	Material Covered
Week 1	Lab 1: Introduction to Agilent VEE and PSPICE
Week 2	Lab 2: Thévenin's / Norton's Theorem and Kirchhoff's Laws
Week 3	Lab 3: First-Order Transient Responses
Week 4	Lab 4: Second-Order Transient Responses
Week 5	Lab 5: Frequency Response of RC Circuits
Week 6	Lab 6: Frequency Response of RLC Circuits
Week 7	Lab 7: Filters

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	Fundamentals of Electric Circuits, C.K. Alexander and M.N.O Sadiku, McGraw-Hill Education	Yes
Recommended Texts	DC Electrical Circuit Analysis: A Practical Approach Copyright Year: 2020, dissidents.	No
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.

MODULE DESCRIPTION FORM
نموذج وصف المادة الدراسية

Module Information معلومات المادة الدراسية					
Module Title	Principles of Computer Graphics I			Module Delivery	
Module Type	B			☒ Theory Lecture ☒ Lab ☐ Tutorial ☒ Practical ☐ Seminar	
Module Code	UOBAB0106024				
ECTS Credits	6				
SWL (hr/sem)	150				
Module Level	UGI		Semester of Delivery	2	
Administering Department	Architecture Engineering		College	University of Babylon	
Module Leader	Dr.evan madhy hamza		e-mail	Eng.evan.rubae@uobabylon.edu.iq	
Module Leader's Acad. Title	Professor		Module Leader's Qualification	Ph.D.	
Module Tutor	Name (if available)		e-mail	E-mail	
Peer Reviewer Name	Name		e-mail	E-mail	
Scientific Committee Approval Date	01/06/2023		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	The student, after completing the academic year, is able to: 1. Introducing students to generations and components of computers 2. Familiarize students with the Windows 7 operating system 3. Dealing with the Ward system with all its available capabilities 4. How to deal with the Excel system - Developing the student's ability to use the Excel program and the method of using equations in Excel 5. Dealing with charts

	6. Introducing the PowerPoint program and identifying its capabilities 7. Introducing the student to the Photoshop program and how to deal with it 8. Introducing students to the Internet and how to deal with it and search for it.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	The student should be able to deal with the Excel system in terms of mathematical operations and equations, how to make presentations in the Power Point system, and knowledge of the calculator and its operation
Indicative Contents المحتويات الإرشادية	1- The student should be familiar with the calculator and its components (10hu) 2- To be interested in mathematical operations and electronic tables through his knowledge of the Excel system (11hu) 3- To have knowledge of the PowerPoint system to be able to do research and how to display it on different display screens (10hu) 4- Knowledge of Photoshop is important for the student in many fields, including architectural rendering (11hu) 5- Explanation the list of insert table,picture and diagram (10hu) 6- Explanation the component of the work sheet (10hu) 7- How the page is displayed (10hu)

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	1- Conducting research and reports on Excel and using the most important equations and applying them in several systems 2- Creating reports and presenting them in a Power Point manner 3- Make designs using Photoshop

Student Workload (SWL) الحمل الدراسي للطالب			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	78	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	5.2
Unstructured SWL (h/sem)	72	Unstructured SWL (h/w)	4.8

الحمل الدراسي غير المنتظم للطالب خلال الفصل		الحمل الدراسي غير المنتظم للطالب أسبوعيا	
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	Quizzes	2	10% (10)	5, 10	LO #1, 2, 10 and 11
	Assignments				
	Projects / Lab.				
	Report	1	10% (10)	13	LO # 5, 8 and 10
Summative assessment	Midterm Exam	2 hr	30% (30)	7	LO # 1-7
	Final Exam	2hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered
Week 1	*Subject*
Week 2	Introduction about Microsoft excel and explain it
Week 3	Explanation the list of insert table,picture and diagram
Week 4	Explanation the component of the work sheet
Week 5	How the page is displayed
Week 6	Examination
Week 7	Introduction about(Microsoft power point)and explain it
Week 8	Changing The Slide Layout
Week 9	Explanationof theways to view the slides
Week 10	How To Change the background colors for your slide
Week 11	Introduction aboutMicrosoft (photo shop)and explain it
Week 12	Some uses of Photoshop
Week 13	Explanation the tool box
Week 14	Explanation (move tool,lasso,crop,brush)

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	
	Material Covered

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	Data and information technology Introduction to the computer	Yes
Recommended Texts		No
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 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 I			Module Delivery	
Module Type	B			☒ Theory ☒ Lecture ☐ Lab ☐ Tutorial ☐ Practical ☐ Seminar	
Module Code	UOBABb1101				
ECTS Credits	2				
SWL (hr/sem)	50				
Module Level	UGx11		Semester of Delivery	2	
Administering Department	Architecture Engineering		College	University of Babylon	
Module Leader	Professor: Muayad Mingher		e-mail	eng. muayad mingher@uobabylon.edu. Iq	
Module Leader's Acad. Title	Professor		Module Leader's Qualification	M.A.	
Module Tutor	Name (if available)		e-mail	eng. muayad mingher@uobabylon.edu. Iq	
Peer Reviewer Name	Name		e-mail	eng. muayad mingher@uobabylon.edu. Iq	
Scientific Committee Approval Date	01/06/2023		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	The course aims to develop the student's ability to deal with the English language in the areas of pronunciation, dialogue, and principles of writing. As the student had received in his previous studies in the secondary stage a wide range of principles in English grammar, pronunciation and reading, but he did not have the opportunity Sufficient to develop his other language skills, which cannot be enriched through practice and training. Therefore, emphasis is placed on reading a, training on new terms, how to deal with them, spelling and dictation laws in English, and the principles of writing through writing some short passages. In an attempt to bring the topic closer to the architectural study of the student, focus on reading and writing subjects of an architectural nature, and train the student on the student on the architectural terminology correctly and identify them when

	reading the architectural texts in an attempt to keep him away from the common error in direct translation, in which texts lose their literary, intellectual and conceptual value.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1. Increase the students' awareness of correct usage of English grammar in writing and speaking 2. Improve their speaking ability in English both in terms of fluency and comprehensibility 3. Give oral presentations and receive feedback on their performance 4. Increase their reading speed and comprehension. Students will improve their reading fluency skills through extensive reading.
Indicative Contents المحتويات الإرشادية	1. Developing students' skills in reflective practice and creative thinking. 2. Growing the students' abilities in building sentences. 3. Knowing some significant aspects of British culture while improving the students' English language skills. 4. Improving accuracy in reading and writing. 5. Using a wider range of vocabulary to express their views. 6. Students will be required to participate in activities.

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	The main strategy that will be adopted in delivering this module is to encourage students' participation in the exercises, while at the same time refining and expanding their critical thinking skills. This will be achieved through classes, interactive tutorials and by considering type of simple experiments involving some sampling activities that are interesting to the students.

Student Workload (SWL) الحمل الدراسي للطالب			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	33	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	2.2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	17	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	1.2
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	200		

Module Evaluation تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	1	5% (5)	5, 10	LO #1, 2, 10 and 11
	Assignments	1	5% (5)	2, 12	LO # 3, 4, 6 and 7
	Projects / Lab.	/	/	/	/
	Report	/	/	/	/

Summative assessment	Midterm Exam	2 hr	40% (40)	7	LO # 1-7
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	
١	Material Covered
Week 1	Unit One : Hello / Grammar;. Vocabulary; Skills Work and Everyday English
Week 2	Unit Two : Your World / Grammar; Vocabulary; Skills Work and Everyday English..
Week 3	Unit Three: : All about you/ Grammar; Vocabulary; Skills Work and Everyday English..
Week 4	Unit Four: Family and Friends/ Grammar; Vocabulary; Skills Work and Everyday English.
Week 5	Unit Five: The way I live / Grammar; Vocabulary; Skills Work and Everyday English.
Week 6	.Unit Six: Every Day/ Grammar; Vocabulary; Skills Work and Everyday English.
Week 7	Unit Seven: Places I Like / Grammar; Vocabulary; Skills Work and Everyday English.
Week 8	Midterm Exam.
Week 9	Unit Eight: Where I live: / Grammar; Vocabulary; Skills Work and Everyday English.
Week 10	Unit Nine: Happy Birthday!: Grammar; Vocabulary; Skills Work and Everyday English.
Week 11	Unit Ten: We had a good time!: Grammar; Vocabulary; Skills Work and Everyday English.
Week 12	Unit Eleven: We can do it! Grammar; Vocabulary; Skills Work and Everyday English. .
Week 13	Unit Twelve :Thank you!: Grammar; Vocabulary; Skills Work and Everyday English.
Week 14	Rapid Review.
Week 15	Examination

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
١	Material Covered

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	New Headway Plus Beginner Student's Book	No
Recommended Texts	English Grammar in Use.	No
Websites	https://elt.oup.com › ... › New Headway Plus › Beginner	

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	Architectural Design & graphic I			Module Delivery	
Module Type	C			☒ Theory Lecture ☐ Lab x☐ Tutorial ☒ Practical ☐x Seminar	
Module Code	UOBAB0106025				
ECTS Credits	12				
SWL (hr/sem)	300				
Module Level	UGI		Semester of Delivery	2	
Administering Department	Architecture Engineering		College	University of Babylon	
Module Leader	Name: Ph.D.Mahmood rezooky janjun		e-mail	E-mail	
Module Leader's Acad. Title	Professor		Module Leader's Qualification	Ph.D.	
Module Tutor	Name (:Mahmood rezooky janjun)		e-mail	E-mail: eng.mahmood.rezooky@uobabylon.edu.iq	
Peer Reviewer Name	Name: Ph.D. ola.abid		e-mail	E-mail: eng.ola.abid@uobabylon.edu.iq	
Scientific Committee Approval Date	01/06/2023		Version Number	1.0	

Relation with other Modules العلاقة مع المواد الدراسية الأخرى

Prerequisite module	c	Semester	3
Co-requisites module	c	Semester	

Module Aims, Learning Outcomes and Indicative Contents أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Aims أهداف المادة الدراسية	تهيئة الطالب لدخول عالم العمارة فكريا ومفاهميا وعلميا كقاعدة عمل أساسية ,وتعريفه بمفهوم العمارة من خلال التعرف على مبادئ التصميم والتكوين والبعد الثالث والفضاء المعماري والمقياس الانساني ومحيط البيئة الحضرية وغيرها . وتنمية لغة التعبير لدى الطالب عن تلك المفردات وغيرها . ويركز الموضوع ايضا على تنمية الحس الفني والتكويني لديه ونمط التفكير التحليلي –التركيبي فضلا عن تنمية ادراكه وتحسسه للبيئة الطبيعية والعمرانية واحترامها ابتداء من ادراك وتذوق البيئة لحضرية ودراسة العلاقات التكوينية والتشكيلية والاخراجية لعناصرها ومكوناتها Preparing the student to enter the world of architecture intellectually, conceptually and scientifically as a basic work base, and introducing him to the concept of architecture by identifying the principles of design, composition, the third dimension, the architectural space, the human scale, the surroundings of the urban environment, and others. And the development of the student's language of expression for those vocabulary and others. The subject also focuses on developing his artistic and formative sense and the analytical-synthetic thinking style, as well as developing his perception and sensitivity to the natural and urban environment and respecting it, starting from realizing and appreciating the urban environment and studying the formative, formative and directive relationships of its elements and components. يعد الرسم المعماري احد اهم وسائل التعبير عن افكار المعماري التصميمية . ولذلك فان المادة تهدف ال وتنمية مهارات الطالب التعبيرية بالاضافة الى تدريبه على استخدام المواد والتقنيات المختلفة في الا (Presentation) ويركز الموضوع على البناء التدريجي لمهارات الطالب من خلال التسلسل الواضح لل ابتداء من التمارين الخاصة بقيم الخط ووصولا الى الرسومات ذات البعدين (Dimensional Drawings) المتمثلة بالمساقط الافقية والعمودية (plans, Sections and Elevations). architectural drawing is one of the most important means of expressing the tect's design ideas. Therefore, the course aims to build and develop the student's essive skills, in addition to training him on the use of different materials and niques in presentation. The subject focuses on the gradual building of the ent's skills through a clear sequence of exercise, starting from exercises related to values and ending with two-dimensional drawings (Two Dimensional vings).) represented by the horizontal and vertical plans (Sections and Elevations plans,)
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	The student is prepared through architectural design and drawing for a full year, after which he is able to use all that he has learned from calligraphy technique, binary and triple formation in addition to the human scale, the basics of architectural design, then he can identify the elements of architectural design and learn the principles of architectural design. He then qualifies in a simple form for architectural criticism. And guidance to design something primitive for a simple project. Where it is fully prepared for it in terms of the student's ability to design what is required of him in a way that leads to his development later in the second stage يتهيئ الطالب من خلال التصميم والرسم المعماري لمدة سنه كاملة حيث يتمكن بعدها من استخدام كل ما تعلمه من تقنية الخط والتكوين الثنائي والثلاثي اظافة الى المقياس الانساني أساسيات التصميم المعماري ثم يستطيع بعدها التعرف على عناصر التصميم المعماري وتعلم

	مبادئ التصميم المعماري .يتاهل بعدها بشكل بسيط للنقد المعماري والتوجيه لتصميم شئ بدائي لمشروع بسيط . حيث يكون متهيأ لها بشكل كامل من حيث قدرة الطالب على تصميم ما مطلوب منه بشكل يؤدي الى ان يتطور لاحقا في المرحلة الثانية
Indicative Contents المحتويات الإرشادية	Developing the capabilities of the student's artistic (20hrs(architectural creative thinking by developing his architectural information (20hrs(developing his drawing capabilities (10hrs(building his architectural memory by viewing architectural products with pictures and videos. (10hrs(Learn how to show by professional hand drawing and in different styles, watercolors, acrylic markers, etc (10hrs (Performing all that is required of drawing class assignments from drawing projects in all their stages and showing them at a high professional level through manual drawing) (30hrs (تنمية قدرات الطالب الفنية (20 ساعة). التفكير الإبداعي المعماري من خلال تطوير معلوماته المعمارية (20 ساعة) تطوير قدراته في الرسم (10 ساعات). بناء ذاكرته المعمارية من خلال عرض المنتجات المعمارية بالصور والفيديو. (10 ساعات) تعلم كيفية العرض من خلال الرسم اليدوي الاحترافي وبأشكال مختلفة ، وألوان مائية ، وأقلام تحديد أكريليك ، وما إلى ذلك (10 ساعات) القيام بكل ما هو مطلوب من رسم الواجبات الصفية من رسم المشاريع في جميع مراحلها وإظهارها على مستوى احترافي عالٍ من خلال الرسم اليدوي (30 ساعة).

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	Type something like: The main strategy that will be adopted in delivering this module is to encourage students' participation in the exercises, while at the same time refining and expanding their critical thinking skills. This will be achieved through classes, interactive tutorials and by considering type of simple experiments involving some sampling activities that are interesting to the students.

Student Workload (SWL) الحمل الدراسي للطالب			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	180	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	12
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	120	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	8
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	300		

Module Evaluation Architectural Design l تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes				
	Assignments	10	25% (25)	2, 4,5,6,7, ,9,10,11	
	Projects / Lab.	2	15% (15)	Continuous	
	Report				
Summative assessment	Midterm Exam	2	10%	12,14	
	Final Exam				All
Total assessment			50% (50 Marks)	Total assessment	50% (50 Marks)

Module Evaluation Architectural Drawing I تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes				
	Assignments	5	25% (25)	2, 5, ,7 ,10,11	
	Projects / Lab.	4	20% (20)	Continuous	
	Report				
Summative assessment	Midterm Exam	2	10% (10)	8, 14	
	Final Exam				All
Total assessment			50% (50 Marks)	Total assessment	50% (50 Marks)

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
Week 1	Quality of lines in free hand and to scale by measuring instruments
Week 2	Composition fundamentals in pencil graphic shade
Week 3	Composition fundamentals in collage
Week 4	Composition types
Week 5	Color circle
Week 6	Composition in color
Week 7	The abstraction
Week 8	2D composition abstraction – prelim

Week 9	Pre- final
Week 10	Final 2D composition of abstraction
Week 11	Day Sketch
Week 12	3D composition
Week 13	Human

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts		Yes
Recommended Texts	Neufert Architecture s Data Architectural Design Data- Landscape Architectre- Site construction Detalis- Pencil Skeching-	No
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 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	Building Construction II			Module Delivery	
Module Type	C			☒ Theory Lecture ☒ Lab ☐ Tutorial ☒ Practical ☐ Seminar	
Module Code	Arch2316				
ECTS Credits	4				
SWL (hr/sem)	100				
Module Level	UGII		Semester of Delivery	3	
Administering Department	Type Dept. Code		College	Type College Code	
Module Leader	Name: Rewa menaf		e-mail	E-mail; eng.rawaaabd.alshalah@uobabylon.edu.iq	
Module Leader's Acad. Title	Professor		Module Leader's Qualification	Ph.D.	
Module Tutor	Name (if available)		e-mail	E-mail	
Peer Reviewer Name	Name		e-mail	E-mail	
Scientific Committee Approval Date	01/06/2023		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	The aim of this subject is to learn students the technology of building construction as architect need to know about for the purpose of improve their design ability , all that could be done throughout understanding building and construction main elements beside the secondary ones toward the full understanding the whole building construction details and components . As students completed this program they will have the ability to understand and

	know the building structural function , realize the suitable construction materials that match with building type , find out the relation between construction materials and surround environment , recognize building types and the suitable structure system for each types ,drawing architectural details . The program includes many site visits to projects under construction, and students will be asked to follow out the construction process of simple residential unit and submit a report.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	Type something like: The main strategy that will be adopted in delivering this module is to encourage students' participation in the exercises, while at the same time refining and expanding their critical thinking skills. This will be achieved through classes, interactive tutorials and by considering type of simple experiments involving some sampling activities that are interesting to the students.
Indicative Contents المحتويات الإرشادية	building construction (3hr) Building process- construction types (6hr) Structural systems (load bearing walls- skeleton frame) (6hr) Foundation construction (3hr) Foundations types (6hr) Foundations details (3hr) Structural elements – walls (4hr) Walls construction methods (3hr) Walls details, lintels, openings in wall (3hr)
Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	Type something like: The main strategy that will be adopted in delivering this module is to encourage students' participation in the exercises, while at the same time refining and expanding their critical thinking skills. This will be achieved through classes, interactive tutorials and by considering type of simple experiments involving some sampling activities that are interesting to the students.

Student Workload (SWL) الحمل الدراسي للطالب			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	63	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	4.2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	37	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	2.4
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	100		

Module Evaluation تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	5% (5)	5, 10	LO #1, 2, 10 and 11
	Assignments	2	10% (10)	2, 12	LO # 3, 4, 6 and 7
	Projects / Lab.	2	10% (10)	Continuous	
	Report				
Summative assessment	Midterm Exam	2 hr	25% (25)	7	LO # 1-7
	Final Exam	32hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered
Week 1	Introduction – building construction
Week 2	Building process- construction types
Week 3	Structural systems (load bearing walls- skeleton frame
Week 4	Foundation construction
Week 5	Foundations types
Week 6	Foundations details
Week 7	Structural elements – walls
Week 8	Walls construction methods
Week 9	Walls details, lintels, openings in wall
Week 10	Exam
Week 11	Floors types
Week 12	Floor details
Week 13	Floor construction
Week 14	Floors details
Week 15	Exam

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the

		Library?
Required Texts		Yes
Recommended Texts		No
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 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

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information معلومات المادة الدراسية					
Module Title	History of Architecture I			Module Delivery	
Module Type	Support			☒ Theory ☐Lecture ☐Lab ☐Tutorial ☐ Practical ☒ Seminar	
Module Code	Arch2305				
ECTS Credits	4				
SWL (hr/sem)	100				
Module Level	1 UGII		Semester of Delivery	3	
Administering Department	Architectural department		College	College of engineering	
Module Leader	Name: Mahmood Amer Chabuk		e-mail	E-mail: mahmoodchabuk@gmail.com	
Module Leader's Acad. Title	Lecturer		Module Leader's Qualification	Ph.D.	
Module Tutor	N.A		e-mail	E-mail	
Peer Reviewer Name	N.A		e-mail	N.A	

Scientific Committee Approval Date	01/06/2023	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. Learn about the history of architecture in Iraq 2. To Learn about the emergence of the first civilizations and their settlements in the Mesopotamia Valley. 3. Knowledge of architectural history gives an understanding of the ideas that were important to and shaped past societies. 4. Learn about the most important architectural models in the Mesopotamian civilization. 5. To study the Main features of architecture with examples.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1. To trace the changes in architecture through various traditions, regions, stylistic, trends and dates. 2. Understand how architecture influences society and its culture. 3. List the various terms associated with electrical circuits. 4. To pave the way for developing one's critical thinking skills. 5. To inspire thinking in the architectural designing process.
Indicative Contents المحتويات الإرشادية	Indicative content includes the following. -Introduction to History of architecture : [2 hr.]. MESOPOTAMIA THE CRADLE OF CIVILIZATION—geology, rivers, and climate. Earliest settlements in Mesopotamia. [4 hr.]. Main civilizations: Architectural features for each of Sumerians city-states, Akkadian architecture, NEO-SUMERIAN architecture -3rd Dynasty of Ur, Assyrian architecture Babylonian architecture. [8 hr.]. -Mesopotamia under foreign rule- Architectural features for each of :

	Achaemenid & Seleucid Architecture Parthian & Sasanian Architecture. [3 hr.]. -PRE-ISLAMIC ARAB-STATE IN IRAQ: [2 hr.]. IRAQ AFTER ISLAM AL-KUFA CITY, IRAQ IN UMAYYAD PERIOD "Ancient Wasit", IRAQ IN ABBASID PERIOD "Round city of Baghdad", Ancient Samarra. [8 hr.]. -Reports depending on writing & discussing Selected models of historical buildings. after the submission of the report , each student will present his work as a seminar . the seminar material will be depended in the final examination questions.. (10 hours a semester)

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	Type something like: The main strategy that will be adopted in delivering this module is to encourage students' participation in the exercises, while at the same time refining and expanding their critical thinking skills. This will be achieved through classes, interactive tutorials and by considering type of simple experiments involving some sampling activities that are interesting to the students.

Student Workload (SWL) الحمل الدراسي للطالب			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	63	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	4.2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	37	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	2.46
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	100		

Module Evaluation تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	.5	15% (5)	4, 8,12	
	Assignments	3	15% (15)	3, 6, 13	
	Projects / Lab.	--	--	--	
	Report	1	10% (10)	15	
Summative assessment	Midterm Exam	2 hr	10% (20)	6,14	
	Final Exam	3hr	50% (50)	16	All

Total assessment	100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري		
Classwork –	Material Covered -Part A	Material Covered -Part B
Week 1	Introduction to History of architecture	MESOPOTAMIA THE CRADLE OF CIVILIZATION
Week 2	Iraq—geology, rivers, and climate	Earliest settlements in Mesopotamia
Week 3	Sumerians city-states	Akkadian architecture
Week 4	NEO-SUMERIAN architecture -3rd Dynasty of Ur	Assyrian architecture
Week 5	Babylonian architecture	General architectural features in the architecture of Mesopotamia
Week 6	Exam	Ancient Egyptian architecture
Week 7	Mesopotamia under foreign rule-	Achaemenid Architecture
Week 8	Seleucid Architecture	Parthian Architecture
Week 9	Sasanian Architecture	PRE-ISLAMIC ARAB-STATE IN IRAQ
Week 10	IRAQ AFTER ISLAM AL-KUFA CITY	Basrah city
Week 11	Scientific Trip	IRAQ IN UMAYYAD PERIOD “Ancient Wasit”
Week 12	IRAQ IN ABBASID PERIOD “Round city of Baghdad”	Ancient Samarra
Week 13	Ukhaider Fortress	Madrassa & Khans
Week 14	Abbasid structural structures	Exam
Week 15	Discussion reports	Discussion reports
Week 16	Final exam	

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	تاريخ فن العمارة العراقية في مختلف العصور : شريف يوسف	Yes

	تاريخ العمارة عبر العصور: قبيلة المالكي. Sir Banister Fletcher's: A History of Architecture	
Recommended Texts	Babylon-The Great City: Olaf Pedersen.	No
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 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 III			Module Delivery	
Module Type	B			☒ Theory Lecture ☒ Lab ☐ Tutorial ☒ Practical ☐ Seminar	
Module Code	Arch2314				
ECTS Credits	3				
SWL (hr/sem)	75				
Module Level	UGIII		Semester of Delivery	3	
Administering Department	Architecture Engineering		College	University of Babylon	
Module Leader	Dr.evan madhy hamza		e-mail	Eng.evan.rubae@uobabylon.edu.iq	
Module Leader's Acad. Title	Professor		Module Leader's Qualification	Ph.D.	
Module Tutor	Name (if available)		e-mail	E-mail	
Peer Reviewer Name	Name		e-mail	E-mail	
Scientific Committee Approval Date	01/06/2023		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. Learn about the computerized engineering drawing program (AutoCAD), its features, and how to deal with it 2. Create two-dimensional drawings using the 2D drawing commands 3. Quickly produce complex graphics and modify them using Modify tools

	4. Adding dimensions and texts to two-dimensional graphics and modifying their properties 5. Create graphics with blocks and add themes 6. Create 3D graphics with 3D drawing commands 7. Insert graphics or symbols from the design center and compose a group of graphics from several elements 8. Print 2D and 3D drawings in AutoCAD 9. Learn about the computerized engineering drawing program (AutoCAD), its features, and how to deal with it 10. Quickly produce complex graphics and make modifications to them using Modify tools 11. Create graphics with blocks and add themes 12. Create 2D drawings using the 2D drawing commands 13. Adding dimensions and text to two-dimensional graphics and modifying their properties 14. Create 3D graphics with 3D drawing commands
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	The student should be able to create two-dimensional architectural plans and then upload them to three-dimensional blocks
Indicative Contents المحتويات الإرشادية	1- The student should be able to make two-dimensional architectural plans (10hu) 2- The student should be able to convert binary architectural plans into three-dimensional figures and blocks (10hu) 3- The student learns how to develop the scene by setting the lighting and the camera (27hu)

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	1- That the student develop his abilities by making a lot of architectural plans 2- To develop the scene in terms of camera and lighting

Student Workload (SWL) الحمل الدراسي للطالب			
Structured SWL (h/sem)	48	Structured SWL (h/w)	3.2

الحمل الدراسي المنتظم للطالب خلال الفصل		الحمل الدراسي المنتظم للطالب أسبوعيا	
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	27	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	1.8
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	75		

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				
	Projects / Lab.				
	Report	1	10 (10)	13	LO # 5, 8 and 10
Summative assessment	Midterm Exam	2 hr	30% (30)	7	LO # 1-7
	Final Exam	2hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
١	Material Covered
Week 1	Introduction to (AUTOCAD)
Week 2	Explanation of drawing orders(line,circle,rectangle,arc)
Week 3	Explanation of drawing orders(ellipse,polyline,point
Week 4	Explanation of drawing orders(polygon,multiline,spline)
Week 5	Explanation of drawing orders(donut,wipeout,revision cloud)
Week 6	Explanation of modification orders(offset,copy,move,rotate,scale)
Week 7	Explanation of modification orders(mirror,trim,extend,chamfer))
Week 8	Explanation of modification orders(hatch,align,divide,fillet)
Week 9	Explanation of modification orders(measure,break,join,array)
Week 10	Examination
Week 11	A variety of exercises that include many diagrams
Week 12	A variety of exercises that include many diagrams
Week 13	A variety of exercises that include many diagrams
Week 14	A variety of exercises that include many diagrams

Week 15	A variety of exercises that include many diagrams

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	
	Material Covered

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	AutoCAD Basics 2017 book by Dr. Ali Mahdi	Yes
Recommended Texts		No
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 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	Architectural Design III			Module Delivery	
Module Type	C			☒ Theory Lecture ☒ Lab ☐ Tutorial ☒ Practical ☒ Seminar	
Module Code	Arch2311				
ECTS Credits	9				
SWL (hr/sem)	225				
Module Level	UGII		Semester of Delivery	3	
Administering Department	Architecture Engineering		College	University of Babylon	
Module Leader	Name:DR.HUSSAM JABBAR		e-mail	E-mail Eng.hussam.jabbar@uobabylon.end.iq	
Module Leader's Acad. Title	Professor		Module Leader's Qualification	Ph.D.	
Module Tutor	Name (if available)		e-mail	E-mail Eng.hussam.jabbar@uobabylon.end.iq	
Peer Reviewer Name	Name		e-mail	E-mail Eng.hussam.jabbar@uobabylon.end.iq	
Scientific Committee Approval Date	01/06/2023		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	The year in the architectural study represents an important transitional stage that moves the student from the stage of preparing designs of an abstract defining nature (which is represented in the first grade) to a more comprehensive stage in defining what architecture is (utility, durability and

	beauty), with an emphasis on the concept of local privacy and integration with the context and urban landscape.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	11- Acquaint the student with art and architecture 12- To familiarize the student with the capabilities of scientific criticism 13- Know the basics of architectural design 14- Identify the elements of architectural design 15- Learn the principles of architectural design
Indicative Contents المحتويات الإرشادية	Developing the capabilities of the student's artistic (10hrs) architectural creative thinking by developing his architectural information (10hrs) developing his drawing capabilities (20hrs) building his architectural memory by viewing architectural products with pictures and videos. (10hrs) The student's memory is also developed by feeding it with the biographies of international architects and architecture masters (10hrs) Learn advanced drawing programs such as AutoCAD (15hrs) Learn how to show by professional hand drawing and in different styles, watercolors, acrylic markers, etc (15hrs) Performing all that is required of drawing class assignments from drawing projects in all their stages and showing them at a high professional level through manual drawing or by means of computer program (30hrs)

Student Workload (SWL) الحمل الدراسي للطالب			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	180	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	12
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	120	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	8
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	300		

Module Evaluation for Architectural Design III تقييم المادة الدراسية للتصميم المعماري				
	Time/Number	Weight (Marks)	Week Due	Relevant Learning

					Outcome
Formative assessment	Quizzes/				
	Assignments	10	25% (25)	2, 4,5,6,7, ,9,10,11	
	Projects	2	15% (15)	Continuous	
	Report				
Summative assessment	Midterm Exam	2	10%	12,14	
	Final Exam				All
Total assessment			50% (50 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	
	Material Covered

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered The first part of the curriculum takes nine hours per week during the first semester
Week 1-2	A simple introductory project, the aim of which is to retrieve the information that the student was exposed to in the first stage and to create a mental warm-up to transfer the student from the abstract stage to a stage characterized by realism and functionalism. During this period, the summer homework required of the students is discussed and evaluated.
Week 3 - 14	The project of designing a residence house aims to identify the design principles of specialized buildings. By preparing the initial and then final designs for the project, which takes about 6-8 weeks, while the second stage includes preparing the signature and compilation designs and some main components, which takes about 2-4 weeks. The student repeats.

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	-Neufert Architecture s Data -Architectural Design Data -Landscape Architectre	Yes
Recommended Texts		No
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 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	Architectural Drawing III			Module Delivery	
Module Type	C			☒ Theory Lecture	
Module Code	Arch2312			☒ Lab	
ECTS Credits	3			☐ Tutorial	
SWL (hr/sem)	75			☒ Practical ☒ Seminar	
Module Level	UGII		Semester of Delivery	3	
Administering Department	Architecture Engineering		College	University of Babylon	
Module Leader	Name:DR.HUSSAM JABBAR		e-mail	E-mail Eng.hussam.jabbar@uobabylon.end.iq	
Module Leader's Acad. Title	Professor		Module Leader's Qualification	Ph.D.	
Module Tutor	Name (if available)		e-mail	E-mail	

			Eng.hussam.jabbar@uobabylon.end.iq
Peer Reviewer Name	Name	e-mail	E-mail Eng.hussam.jabbar@uobabylon.end.iq
Scientific Committee Approval Date	01/06/2023	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	The year in the architectural study represents an important transitional stage that moves the student from the stage of preparing designs of an abstract defining nature (which is represented in the first grade) to a more comprehensive stage in defining what architecture is (utility, durability and beauty), with an emphasis on the concept of local privacy and integration with the context and urban landscape.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	16- Acquaint the student with art and architecture 17- To familiarize the student with the capabilities of scientific criticism 18- Know the basics of architectural design 19- Identify the elements of architectural design 20- Learn the principles of architectural design
Indicative Contents المحتويات الإرشادية	Developing the capabilities of the student's artistic (10hrs) architectural creative thinking by developing his architectural information (10hrs) developing his drawing capabilities (20hrs) building his architectural memory by viewing architectural products with pictures and videos. (10hrs) The student's memory is also developed by feeding it with the biographies of international architects and architecture masters (10hrs) Learn advanced drawing programs such as AutoCAD (15hrs) Learn how to show by professional hand drawing and in different styles, watercolors, acrylic markers, etc (15hrs) Performing all that is required of drawing class assignments from drawing projects in all their stages and showing them at a high professional level through manual drawing or by means of computer program (30hrs)

Student Workload (SWL) الحمل الدراسي للطالب			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	180	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	12
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	120	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	8
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	300		

Module Evaluation for Architectural Drawing III تقييم المادة الدراسية للرسم المعماري					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes/				
	Assignments	5	25% (25)	2, 5, ,7 ,10,11	
	Projects	4	20% (15)	Continuous	
	Report				
Summative assessment	Midterm Exam	2	10% (10)	8, 14	
	Final Exam				All
Total assessment			50% (50 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	
	Material Covered

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered The first part of the curriculum takes nine hours per week during the first semester
	An introductory lecture/exhibition of students' drawings explaining the different techniques
	2D Drawings - Drawing horizontal plans of different buildings (PLANS) and site plans.
	Drawing vertical sections (SECTIONS) with an emphasis on the method of displaying in ink and colors.
	Drawing and displaying interfaces (ELEVATIONS).
	Regular semester exam

	Three-dimensional drawings - isometric / types and uses / drawing cuboids and vaults
	Isometric drawing of a cylinder and a wall with openings of different shapes / a composition exercise that includes different shapes, with drawing levels
	Drawing the dome and other shapes, drawing a more complex composition.
	Complex isometric test.
	Internal isometric-, method of drawing, examples, exercise, assignment The student draws an internal isometric for his design project.
	External Isometric + Homework The student draws an external isometric for his design project.
	Perspective - Lecture on the concept and its properties. Perspective with two vanishing points. The cube in different positions.
	The cube in perspective - a complement to the other cases - drawing other simple shapes.
	Perspective - the multiple vanishing points, the geometric composition in perspective.
	Exam - Geometric composition in perspective.

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	-Site construction Detalis -Pencil Skeching -Perspecttive Drawing	Yes
Recommended Texts		No
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 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	Freehand Drawing II			Module Delivery	
Module Type	C			☒ Theory Lecture	
Module Code	Arch2313			☒ Lab ☐ Tutorial	
ECTS Credits	5			☒ Practical ☒ Seminar	
SWL (hr/sem)	125				
Module Level	UGII		Semester of Delivery	3	
Administering Department	Architecture Engineering		College	University of Babylon	
Module Leader	Name		e-mail	E-mail	
Module Leader's Acad. Title	Professor		Module Leader's Qualification	Ph.D.	
Module Tutor	Name (if available)		e-mail	E-mail	
Peer Reviewer Name	Name		e-mail	E-mail	
Scientific Committee Approval Date	01/06/2023		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	Developing student skills in the use of watercolors, posters, pastels and oil

أهداف المادة الدراسية	colors, using advanced techniques. Developing the student's ability to control the implementation of complex shapes and advanced color techniques. Practical practice of how to show projects through color perspectives and benefit from them in design materials. Strengthening the student's skills in converting what is going on in his mind into an image that can be perceived through free drawing. Introducing the student to the most important Iraqi and Arab artistic movements and artists. This comes through theoretical lectures accompanied by a visual display of their work, as well as the visits that students make to places where artworks are displayed inside Iraq. Introducing the student to ceramic materials and sculpture and his sense of mass through some exercises in clay and gypsum that help him In increasing his skills in showing his designed projects, especially the stereoscopic ones, and giving them a more beautiful and close to reality image. Implementation of graphic drawings, watercolors, and others for selected regions in the region in which the student resides. Work was done with the design works at the beginning of the third academic year. Optional fee: Additional hours practiced by the student of his choice and from all academic levels, where the following is confirmed: The student chooses a subject in which he participates in the exhibitions held in the department and with the various techniques. Provides additional assignments for the various subjects that the student has completed. - Providing the student with experiences in addition to his general academic curriculum.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	21- Acquaint the student with art and architecture 22- To familiarize the student with the capabilities of scientific criticism 23- Know the basics of architectural design 24- Identify the elements of architectural design 25- Learn the principles of architectural design
Indicative Contents المحتويات الإرشادية	Study theories of art extensively and broadly (8hrs) Learn about artistic practices of all kinds (8hrs) Studying different drawing methods by getting acquainted with watercolors, acrylics and markers (8hrs) Engaging in development courses for artistic faculties in drawing Methods (8hrs) Taking remedial courses in technical planning methods and studying scale drawing (8hrs)

	Accurately perform the duties assigned to the student and try to repeat them (8hrs) Trying to draw silent life constantly (8hrs) Drawing the largest number of paintings of buildings and architectural structures and discovering the resulting errors (7hrs) Studying technical drawing methods through the computer through different drawing programs (7hrs)

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	The strategies of the curriculum are divided into first: distant goals such as building a generation of architects capable of innovation that has high architectural taste and intermediate goals through building contemporary architectural thought that is able to combine contemporary, preservation and close goals through developing the student's architectural talents and providing them with intellectual and technical tools.

Student Workload (SWL) الحمل الدراسي للطالب			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	105	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	7
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	70	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	4.6
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	175		

Module Evaluation تقييم المادة الدراسية					
As		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes				
	Assignments	2	30% (30)	2, 12	LO # 3, 4, 6 and 7
	Projects / Lab.	3	40% (40)	Continuous	
Summative assessment	Midterm Exam	2 hr	30% (30)	7	LO # 1-7
					All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
Week	Material Covered The first part of the curriculum takes Four hours per week during the first semester
Week 1	Figures Studying: Drawing figures
Week 2	Drawing by using the colors
Week 3	Drawing Perspective for a building
Week 4	Drawing different types of floors
Week 5	Examination
Week 6	Definition of the principles of modern painting
Week 7	Eliciting the colors :two – coloured ; three coloured
Week 8	Eliciting the tones
Week 9	Drawing modern boards
Week 10	In details, studying the landscape
Week 11	Describing the principles of the perspective in building
Week 12	Drawing perspective for certain building
Week 13	Examination
Week 14	Figures Studying: Drawing figures
Week 15	Drawing by using the colors
Week	Material Covered The Second part of the curriculum takes Four hours per week during the first semester
Week 1	Drawing perspective for building reflecting the architectural details and surrounding environment.
Week 2	Drawing the civil engineering and the surrounding building
Week 3	Drawing the engineering gollepe building foursing on the garedens around it
Week 4	Drawing the electrical engineering department using the wooden colours
Week 5	Exercise on drawing the types of techniques used in reflection
Week 6	Drawing buildings with their environments using the watercolors
Week 7	Drawing same building appearances and evaluate the stage
Week 8	The stage of sculpturing by using clay ,formation clay shapes
Week 9	Making some shapes by using the clay

Week 10	Drawing inner perspective for certain building
Week 11	Drawing inner perspective for the building of civil building
Week 12	Drawing perspective for high building by using the wooden colours
Week 13	Drawing perspective for building reflecting the architectural details and surrounding environment.

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	Book of free manual drawing Figure Drawing	Yes
Recommended Texts		No
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 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.

المستوى الثاني – الفصل الثاني

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information معلومات المادة الدراسية					
Module Title	English language II			Module Delivery	
Module Type	B			☒ Theory Lecture ☐ Lab ☐ Tutorial ☐ Practical ☒ Seminar	
Module Code	UOBAB2302				
ECTS Credits	2				
SWL (hr/sem)	50				
Module Level	UGx11 1		Semester of Delivery	4	
Administering Department	Architecture Engineering		College	University of Babylon	
Module Leader	Professor: Muayad Mingher		e-mail	eng. muayad mingher@uobabylon.edu. Iq	
Module Leader's Acad. Title	Professor		Module Leader's Qualification	M.A.	
Module Tutor	Name (if available)		e-mail	eng. muayad mingher@uobabylon.edu. Iq	
Peer Reviewer Name	Name		e-mail	eng. muayad mingher@uobabylon.edu. Iq	
Scientific Committee Approval Date	01/06/2023		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	At this stage, the student completes what he was exposed to in the first stage, with an emphasis on the need to encourage the student to dialogue, use language, and build terminology. In the second stage, a broader focus is placed on writing and reading texts, especially architectural ones, by electing some simplified architectural articles to be read, and then asking the student to write a summary, a special opinion, or a discussion of the subject. Parts of two books are approved, and English grammar is learned.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	5. Raise the students' recognition of correct utilization of English grammar in productive skills. 6. Make better their speaking capacity in English both in terms of fluency and understandability. 7. Provide oral presentations and receive feedback on their performance. 8. Growing their reading speed and comprehension. Students' reading fluency skills will be improved through extensive reading.
Indicative Contents المحتويات الإرشادية	1. Building up the students' skills in reflective practice and creative thinking. 2. Enhancing the students' capacities in creating sentences. 3. Having knowledge of some important features of British norms when making efficient the students' skillfulness in using the language . 4. Using the correct pronunciation and grammatical constructions. 5. Expanding their vocabulary to communicate their ideas. 6. Activity participation is demanded from students.

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	The main strategy that will be adopted in delivering this module is to encourage students' participation in the exercises, while at the same time refining and expanding their critical thinking skills. This will be achieved through classes, interactive tutorials and by considering type of simple experiments involving some sampling activities that are interesting to the students.

Student Workload (SWL) الحمل الدراسي للطالب			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	33	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	2.2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	17	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	1.2
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	200		

Module Evaluation تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	1	5% (5)	5, 10	LO #1, 2, 10 and 11
	Assignments	1	5% (5)	2, 12	LO # 3, 4, 6 and 7
	Projects / Lab.	/	/	/	/
	Report	/	/	/	/
Summative assessment	Midterm Exam	2 hr	40% (40)	7	LO # 1-7
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	
١	Material Covered
Week 1	Unit One: Getting to know you/ Grammar;. Vocabulary; Skills Work and Everyday English
Week 2	Unit Two: The way we live/ Grammar;. Vocabulary; Skills Work and Everyday English
Week 3	Unit Three: It all went wrong/ Grammar;. Vocabulary; Skills Work and Everyday English
Week 4	Unit Four: Let's go shopping!/ Grammar;. Vocabulary; Skills Work and Everyday English
Week 5	Unit Five: What do you want to do?/Grammar;. Vocabulary; Skills Work and Everyday English
Week 6	Unit Six: Tell me! What's it like? / Grammar;. Vocabulary; Skills Work and Everyday English
Week 7	Unit Seven: Famous couples/ Grammar;. Vocabulary; Skills Work and Everyday English
Week 8	Midterm Exam.
Week 9	Unit Eight: Going places/ Grammar;. Vocabulary; Skills Work and Everyday English
Week 10	Unit Nine: Scared to death/ Grammar;. Vocabulary; Skills Work and Everyday English
Week 11	Unit Ten: Things changed the world/Grammar;. Vocabulary; Skills Work and Everyday English
Week 12	Unit Eleven: Dreams and reality/ Grammar;. Vocabulary; Skills Work and Everyday English
Week 13	Unit Twelve: Earning a living/ Grammar;. Vocabulary; Skills Work and Everyday English
Week 14	Unit Thirteen : Love you and leave you/ Grammar; Vocabulary; Skills Work and Every English
Week 15	Examination

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	New Headway Pre-intermediate Student's Book	No
Recommended Texts	English Grammar in Use.	No
Websites	https://www.academia.edu › New_headway_intermedi...	

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	Logic and design Methodology			Module Delivery	
Module Type	S			☒ Theory Lecture ☐ Lab ☐ Tutorial ☒ Practical ☒ Seminar	
Module Code	Arch2406				
ECTS Credits	2				
SWL (hr/sem)	50				
Module Level	UGII		Semester of Delivery	4	
Administering Department	Architecture Engineering		College	University of Babylon	
Module Leader	Name:Dr.hussam jabbar		e-mail	E-mail eng.hussam.jabbar@uobabylon.edu.iq	
Module Leader's Acad. Title	Professor		Module Leader's Qualification	Ph.D.	
Module Tutor	Name (if available)		e-mail	E-mail	
Peer Reviewer Name	Name		e-mail	E-mail	
Scientific Committee Approval Date	01/06/2023		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	The course: Make the student aware of the various disciplines and topics that play an important role in the design process, while clarifying the basic design principles, processes and factors involved in the design act, as well as teaching the student to apply logic for the purpose of enabling him to think clearly and reach sound conclusions and inferences to avoid improper and wrong thinking

	in his work. my design.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	The production of an engineer familiar with the world of surveying since the beginning of the architectural design The production of an architect who has the ability to implement his projects An architecture student should be familiar with surveying devices of all kinds and models Developing expertise and engineering professionalism for the student of architecture
Indicative Contents المحتويات الإرشادية	:Traditional design method : Craft Evolution , Design by Drawing , an example of the second era , How drawings produce design , System Designing , Socio-technical Innovation , The strength of a design process by drawing compared with the craft process (3h) design process , The first map used by architects in the RIBA architectural Practice and Management Handbook (1965). , Markus/ Maver map of the design process Arch. Design Process: 1- Briefing , 2-Analysis , 3-Synthesis , 4-Evaluation , 5-Design . (3h) -1Briefing : Site selection, Program formulation, Data collection, Problem Definitions, examples study (3h) The Architectural Design Problem has three Main Variables (Context -Need -Form(A continuation of the previous lecture : 1-2 Contexts , 1-3 Form , 2-Analysis , 3-Synthesis , 4-Evaluation , 5-Design Design methodology : 1- What is design? , Design method First design methodology: designer brain as black box ology outline, the sequence of three steps : Quick analysis , Creating concept , Developing. (3h) A continuation of the previous lecture , Black box method main features , Disadvantages (3h) Second design methodology: designer brain as glass box , Main methodology characters Advantages , Disadvantages. Compromising methodology , The purpose of compromising methodology , Methodology characters . Main steps of design conclude : analysis , composing, evaluate, develop (2h)

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	1. Graduating highly qualified architects. 2. Building the leadership qualities of its graduates by teaching them how to lead, solve construction problems, and the ability to choose appropriate construction details and materials. 3. Instilling a spirit of imagination in graduates and a commitment to acquiring

	knowledge and serving the community. 4. Contribute to project ideas, conduct research for the benefit and development of society, and involve students to work on projects that are under implementation. 5. Taking care of the outstanding students and encouraging them to use their skills. 6-Focusing on correct scientific, academic, professional and high ethical standards within the university campus. and encourage sharing

Student Workload (SWL) الحمل الدراسي للطالب			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	33	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	2.2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	17	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	1.2
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	.5	10% (10)	5, 10	LO #1, 2, 10 and 11
	Assignments				
	Projects / Lab.				
	Report	1	10% (10)	13	LO # 5, 8 and 10
Summative assessment	Midterm Exam	2 hr	30% (30)	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	The aim The aim of logic and design methodology , the processes and factors that are involved in a design act , terms interpretation : what is architecture , Design , Design methodology , method , logic .
Week 2 -3	Design and architectural design : Design Definition , Meaning and purpose of design , Hierarchy of human needs , The Concerns of design , Design problem dimensions: Need , Context , Form , Architectural design , Design constrains , Principles of “Good” Design

Week 4	: Traditional design method : Craft Evolution , Design by Drawing , an example of the second era , How drawings produce design , System Designing , Socio-technical Innovation , The strength of a design process by drawing compared with the craft process
Week 5 -6	design process , The first map used by architects in the RIBA architectural Practice and Management Handbook (1965). , Markus/ Maver map of the design process
Week 7	Arch. Design Process: 1- Briefing , 2-Analysis , 3-Synthesis , 4-Evaluation , 5-Design . 1- Briefing : Site selection, Program formulation, Data collection, Problem Definitions, examples study The Architectural Design Problem has three Main Variables (Context -Need - Form)
Week 8	A continuation of the previous lecture : 1-2 Contexts , 1-3 Form , 2-Analysis , 3-Synthesis , 4-Evaluation , 5-Design
Week 9	Design methodology : 1- What is design? , Design method First design methodology: designer brain as black box ology outline, the sequence of three steps : Quick analysis , Creating concept , Developing .
Week 10	A continuation of the previous lecture , Black box method main features , Disadvantages
Week 11	Second design methodology: designer brain as glass box , Main methodology characters Advantages , Disadvantages .
Week 12 - 13	Compromising methodology , The purpose of compromising methodology , Methodology characters . Main steps of design conclude : analysis , composing, evaluate, develop
Week 14	Analysis Phase , Issues to be analyzed include : User requirements - site analysis - designer - spaces requirements . : Site analysis objectives , Site elements include two essential sets .
Week 15	Issues to be analyzed include : User - site - designer - spaces requirements . User analysis : Determine user goals , User consideration and expressions factors

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts		Yes
Recommended Texts		No
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 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.

Required Texts		Yes
Recommended Texts		No
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 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	Building Construction V			Module Delivery	
Module Type	Core			☒ Theory Lecture ☒ Lab ☐ Tutorial ☒ Practical ☐ Seminar	
Module Code	Arch2414				
ECTS Credits	4				
SWL (hr/sem)	100				
Module Level	UGxIII		Semester of Delivery	4	
Administering Department	Type Dept. Code		College	Type College Code	
Module Leader	Name:rewa menaf		e-mail	E-mail; eng.rawaaabd.alshalah@uobabylon.edu.iq	
Module Leader's Acad. Title	Professor		Module Leader's Qualification	Ph.D.	
Module Tutor	Name (if available)		e-mail	E-mail	
Peer Reviewer Name	Name		e-mail	E-mail	
Scientific Committee Approval Date	01/06/2023		Version Number	1.0	

Relation with other Modules العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	5
Co-requisites module	None	Semester	6

Module Aims, Learning Outcomes and Indicative Contents أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Aims أهداف المادة الدراسية	This topic aims to introduce the student to the importance of the structural structure of the building and its close relationship to the design process, as choosing the appropriate structural structure for each building interacts directly with its function and the external final form of it. The lesson also deals with the importance of architectural details and the role they play when designing the building and their importance in the implementation process for the purpose of ensuring the correct implementation. The designer also increases the accuracy of highlighting the basic features of the building. The types of plans produced by the architect, such as design, execution and laboratory plans, are also discussed And the plans of the reality of the situation and what each of them needs in order to be appropriate for the purpose for which they were found. The scientific side of the subject includes teaching the student the method of producing and organizing detailed executive plans in general and how to produce them, and

	focusing on multi-storey structural buildings made of reinforced concrete and medium-bridge structures made of steel. In addition to introducing the student to the scheme arrangement and coding system, which is the (CL / SFB) system, as it is one of the global systems in engineering consulting offices and agencies. The subject includes theoretical lectures and applied projects that include three semester exams and daily practical exams inside the ceremony. Where it includes topics of theoretical lectures shown in the schedule for each week during the first and second semesters and their application through three projects. Reinforced concrete material with all its details. As for the third project, it includes training students to prepare detailed plans for a medium-sized construction hall made of steel with all its details. It is possible to allocate the last three weeks of each design project to make detailed plans for a selected part of the project, which provides an opportunity for students to learn about various construction solutions. and integrated details
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	students to learn about various construction solutions. and integrated details The student will be able to understand the structural materials and then know how to employ what he learned in his designs after knowing about the nature of the use of each of the structural systems, whether bricks, wood, cement or iron and the types of their structures
Indicative Contents المحتويات الإرشادية	architectural creative thinking by developing his architectural information (20hrs) developing his drawing capabilities (10hrs) building his architectural memory by viewing architectural products with pictures and videos. (10hrs) Learn how to show by professional hand drawing and in different styles, watercolors, acrylic markers, etc (10hrs) Performing all that is required of drawing class assignments from drawing projects in all their stages and showing them at a high professional level through manual drawing) (30hrs

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	Knowledge and understanding a- Knowledge and understanding To learn how to design the required system To learn how to describe the structural system To learn what are the international standards and measurements regarding the installation material To learn how to draw a diagram

Student Workload (SWL) الحمل الدراسي للطالب			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	63	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	4.2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	37	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	2.4
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	100		

Module Evaluation تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	.5	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	10% (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

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered
Week 1	Introducing the student to the objectives of the subject, its importance and its direct relationship to architectural design, the importance of architectural details, arranging and producing plans in their final form.
Week 2	The nature of the building, the structural units and elements that make up the building, the structural (construction) systems, how to assemble the structural elements, and the types of joints between them.
Week 3	Concrete and reinforced concrete material, its types and structural specifications, and how can we benefit from its properties and ability to form
Week 4	Structural behaviors of the basic structural parts and elements that make up the building in terms of the structural structure, the forces affecting it, and the nature of the loads to which the building is exposed.
Week 5	Types of stresses applied to the building, stress intensity, moments and forces affecting the building and their impact
Week 6	Foundations, their requirements, principles of selection, types, differential settlement, why it occurs and how it is treated, with a focus on the raft foundation, methods of tanking protection, and how to construct basements for multi-storey buildings.

Week 7	Systems of loads transmission in vertical buildings
Week 8	Roof structures Functional requirements for roofs, their classification methods, their building materials, characteristics of each type, and their structural materials Trusses and Girders
Week 9	Shell Roofs: Their types, construction materials, and construction methods. Folded slab (plates) Roofs. Grid Roof structures.
Week 10	Shell Roofs: Their types, construction materials, and construction methods. Folded slab (plates) Roofs - Grid Roof structures
Week 11	Tension roof structures Air stabieild or pneumatic Roof structures
Week 12	The external envelop of the building, which includes the external walls of the building and its functional and environmental requirements and types, and focus on the systems of the external walls of multi-storey buildings, which are infill's, cladding, and facing.
Week 13	Internal divisions: These include partitions and walls that are light in weight and easy to remove and install
Week 14	Ceilings, suspended ceiling and suspended floors

Learning and Teaching Resources
مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	Steveth edition R.barry architect v 1-5	Yes
Recommended Texts		No
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 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	Freehand Drawing III	Module Delivery
Module Type	C	☒ Theory Lecture ☒ Lab ☐ Tutorial ☒ Practical ☒ Seminar
Module Code	Arch2413	
ECTS Credits	4	
SWL (hr/sem)	100	

Module Level	UGII	Semester of Delivery	4
Administering Department	Architecture Engineering	College	University of Babylon
Module Leader	Name	e-mail	E-mail
Module Leader's Acad. Title	Professor	Module Leader's Qualification	Ph.D.
Module Tutor	Name (if available)	e-mail	E-mail
Peer Reviewer Name	Name	e-mail	E-mail
Scientific Committee Approval Date	01/06/2023	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	Developing student skills in the use of watercolors, posters, pastels and oil colors, using advanced techniques. Developing the student's ability to control the implementation of complex shapes and advanced color techniques. Practical practice of how to show projects through color perspectives and benefit from them in design materials. Strengthening the student's skills in converting what is going on in his mind into an image that can be perceived through free drawing. Introducing the student to the most important Iraqi and Arab artistic movements and artists. This comes through theoretical lectures accompanied by a visual display of their work, as well as the visits that students make to places where artworks are displayed inside Iraq. Introducing the student to ceramic materials and sculpture and his sense of mass through some exercises in clay and gypsum that help him In increasing his skills in showing his designed projects, especially the stereoscopic ones, and giving them a more beautiful and close to reality image. Implementation of graphic drawings, watercolors, and others for selected regions in the region in which the student resides. Work was done with the

	design works at the beginning of the third academic year. Optional fee: Additional hours practiced by the student of his choice and from all academic levels, where the following is confirmed: The student chooses a subject in which he participates in the exhibitions held in the department and with the various techniques. Provides additional assignments for the various subjects that the student has completed. - Providing the student with experiences in addition to his general academic curriculum.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	26- Acquaint the student with art and architecture 27- To familiarize the student with the capabilities of scientific criticism 28- Know the basics of architectural design 29- Identify the elements of architectural design 30- Learn the principles of architectural design
Indicative Contents المحتويات الإرشادية	Study theories of art extensively and broadly (8hrs) Learn about artistic practices of all kinds (8hrs) Studying different drawing methods by getting acquainted with watercolors, acrylics and markers (8hrs) Engaging in development courses for artistic faculties in drawing Methods (8hrs) Taking remedial courses in technical planning methods and studying scale drawing (8hrs) Accurately perform the duties assigned to the student and try to repeat them (8hrs) Trying to draw silent life constantly (8hrs) Drawing the largest number of paintings of buildings and architectural structures and discovering the resulting errors (7hrs) Studying technical drawing methods through the computer through different drawing programs (7hrs)

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	The strategies of the curriculum are divided into first: distant goals such as building a generation of architects capable of innovation that has high architectural taste and intermediate goals through building contemporary architectural thought that is able to combine contemporary, preservation and close goals through developing the student's architectural talents and providing them with intellectual and technical tools.

Student Workload (SWL) الحمل الدراسي للطالب			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	105	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	7
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	70	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	4.6

Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	175

Module Evaluation تقييم المادة الدراسية					
As		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes				
	Assignments	2	30% (30)	2, 12	LO # 3, 4, 6 and 7
	Projects / Lab.	3	40% (40)	Continuous	
Summative assessment	Midterm Exam	2 hr	30% (30)	7	LO # 1-7
					All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
Week	Material Covered The first part of the curriculum takes Four hours per week during the first semester
Week 1	Figures Studying: Drawing figures
Week 2	Drawing by using the colors
Week 3	Drawing Perspective for a building
Week 4	Drawing different types of floors
Week 5	Examination
Week 6	Definition of the principles of modern painting
Week 7	Eliciting the colors :two – coloured ; three coloured
Week 8	Eliciting the tones
Week 9	Drawing modern boards
Week 10	In details, studying the landscape
Week 11	Describing the principles of the perspective in building
Week 12	Drawing perspective for certain building
Week 13	Examination
Week 14	Figures Studying: Drawing figures
Week 15	Drawing by using the colors
Week	Material Covered

	The Second part of the curriculum takes Four hours per week during the first semester
Week 1	Drawing perspective for building reflecting the architectural details and surrounding environment.
Week 2	Drawing the civil engineering and the surrounding building
Week 3	Drawing the engineering gollepe building foursing on the garedens around it
Week 4	Drawing the electrical engineering department using the wooden colours
Week 5	Exercise on drawing the types of techniques used in reflection
Week 6	Drawing buildings with their environments using the watercolors
Week 7	Drawing same building appearances and evaluate the stage
Week 8	The stage of sculpturing by using clay ,formation clay shapes
Week 9	Making some shapes by using the clay
Week 10	Drawing inner perspective for certain building
Week 11	Drawing inner perspective for the building of civil building
Week 12	Drawing perspective for high building by using the wooden colours
Week 13	Drawing perspective for building reflecting the architectural details and surrounding environment.

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	Book of free manual drawing Figure Drawing	Yes
Recommended Texts		No
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 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	Architectural Design IV			Module Delivery	
Module Type	C			☒ Theory Lecture ☒ Lab ☐ Tutorial ☒ Practical ☒ Seminar	
Module Code	Arch2311				
ECTS Credits	9				
SWL (hr/sem)	225				
Module Level	UGII		Semester of Delivery	3	
Administering Department	Architecture Engineering		College	University of Babylon	
Module Leader	Name:DR.HUSSAM JABBAR		e-mail	E-mail Eng.hussam.jabbar@uobabylon.end.iq	
Module Leader's Acad. Title	Professor		Module Leader's Qualification	Ph.D.	
Module Tutor	Name (if available)		e-mail	E-mail Eng.hussam.jabbar@uobabylon.end.iq	
Peer Reviewer Name	Name		e-mail	E-mail Eng.hussam.jabbar@uobabylon.end.iq	
Scientific Committee Approval Date	01/06/2023		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	The year in the architectural study represents an important transitional stage that moves the student from the stage of preparing designs of an abstract defining nature (which is represented in the first grade) to a more comprehensive stage in defining what architecture is (utility, durability and beauty), with an emphasis on the concept of local privacy and integration with the context and urban landscape.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	31- Acquaint the student with art and architecture 32- To familiarize the student with the capabilities of scientific criticism 33- Know the basics of architectural design 34- Identify the elements of architectural design 35- Learn the principles of architectural design
Indicative Contents المحتويات الإرشادية	Developing the capabilities of the student's artistic (10hrs) architectural creative thinking by developing his architectural information (10hrs) developing his drawing capabilities (20hrs) building his architectural memory by viewing architectural products with pictures and videos. (10hrs) The student's memory is also developed by feeding it with the biographies of international architects and architecture masters (10hrs) Learn advanced drawing programs such as AutoCAD (15hrs) Learn how to show by professional hand drawing and in different styles, watercolors, acrylic markers, etc (15hrs) Performing all that is required of drawing class assignments from drawing projects in all their stages and showing them at a high professional level through manual drawing or by means of computer program (30hrs)

Student Workload (SWL) الحمل الدراسي للطالب			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	180	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	12
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	120	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	8
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	300		

Module Evaluation for Architectural Design IV تقييم المادة الدراسية للتصميم المعماري					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes/				
	Assignments	10	25% (25)	2, 4,5,6,7, ,9,10,11	
	Projects	2	15% (15)	Continuous	
	Report				
Summative assessment	Midterm Exam	2	10%	12,14	
	Final Exam				All
Total assessment			50% (50 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	
	Material Covered

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered The first part of the curriculum takes nine hours per week during the first semester
Week 1-2	A simple introductory project, the aim of which is to retrieve the information that the student was exposed to in the first stage and to create a mental warm-up to transfer the student from the abstract stage to a stage characterized by realism and functionalism. During this period, the summer homework required of the students is discussed and evaluated.
Week 3 - 14	The project of designing a residence house aims to identify the design principles of specialized buildings. By preparing the initial and then final designs for the project, which takes about 6-8 weeks, while the second stage includes preparing the signature and compilation designs and some main components, which takes about 2-4 weeks. The student repeats.

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	-Neufert Architecture s Data -Architectural Design Data -Landscape Architectre	Yes

Recommended Texts		No
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 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	Principle of Computer Graphic II			Module Delivery	
Module Type	B			☒ Theory Lecture ☒ Lab ☐ Tutorial ☐ Practical ☒ Seminar	
Module Code	Arch2415				
ECTS Credits	4				
SWL (hr/sem)	100				
Module Level	UGII		Semester of Delivery	4	
Administering Department	Architecture Engineering		College	University of Babylon	
Module Leader	Dr. Hussam Jabbar Abass		e-mail		
Module Leader's Acad. Title	Professor		Module Leader's Qualification	Ph.D.	
Module Tutor	Name (if available)		e-mail	E-mail	
Peer Reviewer Name	Name		e-mail	E-mail	

Scientific Committee Approval Date	01/06/2023	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	Autodesk 3Ds Max Design Essentials Training provides a thorough grounding in 3Ds Max Design Software. On completing the course you will be able to produce basic 3D modeling, apply material, rendering the scene and create animation.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	The primary objective of this course is to teach students the essentials of working in 3D using an array of features and tools. This course teaches new users the basics of creating, embellishing, and animating 3D scenes. After completing this course, student should be able to do: 1. Model objects using a variety of techniques 2. Design and apply materials 3. Adjust basic lighting 4. Animate simple objects 5. Build and animate simple, effective environments 6. To enhance the computing skills of the students.
Indicative Contents المحتويات الإرشادية	1- Making 3D Modelling and designs for various buildings and converting them into 3D shapes that mimic reality (10hu) 2- Simulating reality in terms of placing raw materials, real natural lighting, and cameras (10hu) 3- Produce photos and videos (10hu) 4- Adding movements to the scene to make it realistic

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	1- The student develop his abilities by making a lot of architectural Models 2- To develop the scene in terms of camera and lighting

Student Workload (SWL) الحمل الدراسي للطالب			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	48	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	3.2
Unstructured SWL (h/sem)	27	Unstructured SWL (h/w)	1.8

الحمل الدراسي غير المنتظم للطالب أسبوعيا		الحمل الدراسي غير المنتظم للطالب خلال الفصل	
75		Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	

Module Evaluation تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	الاختبارات Quizzes	1	14% (14)	5, 10	LO #1, 2, 10 and 11
	Projects		8% (8)		LO # 5, 8 and 10
	المختبرLab		8% (8)		LO # 5, 8 and 10
	واجبات بيتية online assignment				
	واجبات داخل الكلية onsite assignment		10% (10)		LO # 5, 8 and 10
	Report				
	حلقات دراسية				
Summative assessment	Midterm Exam	2 hr	10% (10)	7	LO # 1-7
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
٧	Material Covered
Week 1	INTRODUCTION , Introduction —- The 3DS Max Interface • Navigate the 3DS Max User Interface and Workspace • Transforming Objects Using Gizmos • Graphite Modeling Tools Set • Command Panel • Time Slider and Track Bar • File Managemen
Week 2	3DS Max First Project, • Setting Up a Project Workflow • Clock Modeling • Spline Modifier • Bringing It All Together

Week 3	Modeling in 3DS Max: Architecture Model - Part 1 • Units Setup • Importing a CAD Drawing • Creating the Walls • Creating the Doors • Creating the Window • Adding the Floor and Ceiling
Week 4	Modeling in 3DS Max: • Architecture Model - Part 2 • Modeling the Couch • Modeling the Lounge Chair
Week 5	Introduction to Animation • Animating the Ball • Refining the Animation
Week 6	Animation Principles • Anticipation and Momentum in Knife Throwing
Week 7	Character Poly Modeling -Part 1 • Setting Up the Scene • Soldier Modeling
Week 8	Character Poly Modeling -Part 2 • Completing the Main Body • Creating the Accessories • Putting On the Boot • Creating the Hands
Week 9	Character Poly Modeling -Part 3 • Creating the Head • Merging and Attaching the Head's Accessories
Week 10	Examination
Week 11	Introduction to the Materials: Interiors and Furniture • The Slate Material Editor • Material Types • Mental Ray Material Types • Shades • Mapping the Couch and Chair

	• Mapping the Window and Doors
Week 12	Textures and UV Workflows: The Soldier • UV Unwrapping • Seaming the Rest of the Body • Applying the Color Map • Applying the Bump Map • Applying the Specular Map
Week 13	Character Studio: Rigging • Character Studio Workflow • Associating a Biped with the Soldier Model Character Studio: Animation • Animating the Soldier
Week 14	Introduction to Lighting: Interior Lighting • Three-Point Lighting • 3DS Max Lights • Lighting the Still Life in the Interior Space • selecting a Shadow Type • Atmospheres and Effects • Light Lister
Week 15	3DS Max Rendering • Rendering Setup • Cameras • Safe Frames • Ray traced Reflections and Refractions. • Rendering the Interior and Furniture MENTAL RAY • Mental Ray Renderer • Final Gather with Mental Ray • Mental Ray Materials

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	
	Material Covered

Learning and Teaching Resources مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	• User's Reference Volume II Published By: Autodesk, Inc.	No
Recommended Texts	• Autodesk 3ds Max 2025 Basics Guide By Kelly L. Murdock • Autodesk 3ds Max 2022 Fundamentals By ASCENT	No
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 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	Architectural Drawing IV	Module Delivery
Module Type	C	☒ Theory Lecture
Module Code	Arch2312	☒ Lab
ECTS Credits	3	☐ Tutorial
SWL (hr/sem)	75	☒ Practical ☒ Seminar

Module Level		UGII	Semester of Delivery		3
Administering Department		Architecture Engineering	College	University of Babylon	
Module Leader	Name:DR.HUSSAM JABBAR		e-mail	E-mail Eng.hussam.jabbar@uobabylon.end.iq	
Module Leader's Acad. Title		Professor	Module Leader's Qualification		Ph.D.
Module Tutor	Name (if available)		e-mail	E-mail Eng.hussam.jabbar@uobabylon.end.iq	
Peer Reviewer Name		Name	e-mail	E-mail Eng.hussam.jabbar@uobabylon.end.iq	
Scientific Committee Approval Date		01/06/2023	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	The year in the architectural study represents an important transitional stage that moves the student from the stage of preparing designs of an abstract defining nature (which is represented in the first grade) to a more comprehensive stage in defining what architecture is (utility, durability and beauty), with an emphasis on the concept of local privacy and integration with the context and urban landscape.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1- Acquaint the student with art and architecture 2- To familiarize the student with the capabilities of scientific criticism 3- Know the basics of architectural design 4- Identify the elements of architectural design 5- Learn the principles of architectural design
Indicative Contents المحتويات الإرشادية	Developing the capabilities of the student's artistic (10hrs) architectural creative thinking by developing his architectural information (10hrs) developing his drawing capabilities (20hrs) building his architectural memory by viewing architectural products with pictures and videos. (10hrs) The student's memory is also developed by feeding it with the biographies of

	international architects and architecture masters (10hrs) Learn advanced drawing programs such as AutoCAD (15hrs) Learn how to show by professional hand drawing and in different styles, watercolors, acrylic markers, etc (15hrs) Performing all that is required of drawing class assignments from drawing projects in all their stages and showing them at a high professional level through manual drawing or by means of computer program (30hrs)

Student Workload (SWL) الحمل الدراسي للطالب			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	180	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	12
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	120	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	8
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	300		

Module Evaluation for Architectural Drawing IV تقييم المادة الدراسية للرسم المعماري					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes/				
	Assignments	5	25% (25)	2, 5, ,7 ,10,11	
	Projects	4	20% (15)	Continuous	
	Report				
Summative assessment	Midterm Exam	2	10% (10)	8, 14	
	Final Exam				All
Total assessment			50% (50 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	
	Material Covered

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered

	The first part of the curriculum takes nine hours per week during the first semester
	An introductory lecture/exhibition of students' drawings explaining the different techniques
	2D Drawings - Drawing horizontal plans of different buildings (PLANS) and site plans.
	Drawing vertical sections (SECTIONS) with an emphasis on the method of displaying in ink and colors.
	Drawing and displaying interfaces (ELEVATIONS).
	Regular semester exam
	Three-dimensional drawings - isometric / types and uses / drawing cuboids and vaults
	Isometric drawing of a cylinder and a wall with openings of different shapes / a composition exercise that includes different shapes, with drawing levels
	Drawing the dome and other shapes, drawing a more complex composition.
	Complex isometric test.
	Internal isometric-, method of drawing, examples, exercise, assignment The student draws an internal isometric for his design project.
	External Isometric + Homework The student draws an external isometric for his design project.
	Perspective - Lecture on the concept and its properties. Perspective with two vanishing points. The cube in different positions.
	The cube in perspective - a complement to the other cases - drawing other simple shapes.
	Perspective - the multiple vanishing points, the geometric composition in perspective.
	Exam - Geometric composition in perspective.

Learning and Teaching Resources
مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	-Site construction Detalis -Pencil Skeching -Perspecttive Drawing	Yes
Recommended Texts		No
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 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.