

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	Democracy and Human Rights		Module Delivery
Module Type	Basic		<input checked="" type="checkbox"/> Theory <input type="checkbox"/> Lecture <input type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input type="checkbox"/> Seminar
Module Code	UREQ101		
ECTS Credits	2		
SWL (hr/sem)	50		
Module Level	1	Semester of Delivery	
Administering Department	CIVE	College	CEIT
Module Leader	Asst. Lect. Jumana Mahdi	e-mail	jumana.mahdi@alshaab.edu.iq
Module Leader's Acad. Title	Assistant Lecturer	Module Leader's Qualification	MSc
Module Tutor	Asst. Lect. Jumana Mahdi	e-mail	jumana.mahdi@alshaab.edu.iq
Peer Reviewer Name	Prof. Zeyad Khaled	e-mail	zeyad.khaled@alshaab.edu.iq
Scientific Committee Approval Date	02/12/2023	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 Objectives أهداف المادة الدراسية	<ol style="list-style-type: none"> 1. To understand rights and freedoms 2. To Learn about children's rights 3. To Understanding the meaning of democracy, its types and its historical development until the present time 4. To Interested in the student's knowledge of democracy well, and the difference between it and freedom 5. To know the elections, their role and importance, and the role of the voter's voice 6. To Knowledge of democratic systems practiced by countries 7. To Recognizing the meaning of integrity and combating corruption in the system
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	<ol style="list-style-type: none"> 1. Developing cognitive skills To understand rights and freedoms, democracy and its types, stages of development of democracy and its importance Developing 2. Learning the rights of the child 3. Gaining the skill, experience and knowledge to perform the elections and their importance 4. understand pseudo-democracy and be able to know the meaning of democracy and its difference from freedom Performing 5. Understand Types of democracy used and the best and the reason for its use 6. Understanding Elections, methods and requirements 7. Knowing the meaning of integrity and combating corruption in the system 8. Develop the student's ability to dialogue and discussion
Indicative Contents المحتويات الإرشادية	

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	The main strategy that will be adopted in presenting this unit is to develop students' skills in research and familiarity with the concept of freedom and democracy, how to perform elections, the importance of one's voice, integrity, transparency, and the preservation of public money. Have the students present different topics via homework.

Student Workload (SWL) الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعاً			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	33	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعياً	2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	17	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعياً	1
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	50		

Module Evaluation تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	1	10% (10)	4	LO #1
	Assignments	1	10% (10)	7	LO #2& #3
	On-site work	1	10% (10)	10	LO #4
	Report	1	10% (10)	13	LO #5& #6
Summative assessment	Midterm Exam	2	10% (10)	15	LO #1 - #7
	Final Exam	3	50% (50)	16	LO #1 - #8
Total assessment			100% (100)		

Delivery Plan (Weekly Syllabus) المنهاج الأسبوعي النظري	
	Material Covered
Week 1	Introduction to rights and freedoms
Week 2	Children's rights in conventions and in Islam
Week 3	The roots of the concept of democracy and its development
Week 4	Learn the basics of democracy
Week 5	Knowledge of the requirements of democracy and the best environment for democracy
Week 6	Learn about its advantages to democracy and main ingredients
Week 7	Find out the best kind of democracy
Week 8	characteristics of the democratic system
Week 9	The importance of elections and preliminary procedures for elections

Week 10	Knowledge of election and referendum systems
Week 11	Objection and how to apply it and the popular solution
Week 12	Discussion of reports (the difference between freedom and democracy)
Week 13	Integrity and transparency in the democratic system
Week 14	Integrity and transparency in the democratic system
Week 15	Discuss a presentation on integrity and transparency
Week 16	Final Exam

Learning and Teaching Resources مصادر التعلم والتعليم		
	Text	Available in the Library?
Required Texts	Dr. Maher Sabry Kazem Human Rights, Democracy and Public Freedoms (Baghdad 2010)	Yes
Recommended Texts	National Center for Human Rights and Democracy (Iraq Ministry of Human Rights Research Department 2013) Political systems / Dr. Hamid Hanoun Khaled Human rights between text and application Dr. Ali Shukry The Interim State Administration Law of 2004 and the permanent Iraqi constitution of 2005 Human rights and democracy Prepared by a.m.d. Ghassan Karim Majthab, a.m. Amjad Zine El Abidine Tohme Jamil Hamdawi, Education and Democracy, Diwan Al Arab	Yes
Websites	http://www.diwanalarab.com	

Grading Scheme نظام 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
<p>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.</p>				

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	Arabic Language		Module Delivery
Module Type	Basic		<input checked="" type="checkbox"/> Theory <input type="checkbox"/> Lecture <input type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input type="checkbox"/> Seminar
Module Code	UREQ102		
ECTS Credits	2		
SWL (hr/sem)	50		
Module Level	1	Semester of Delivery	1
Administering Department	CIVE	College	CEIT
Module Leader	Dr. Ahmed Abdulghfoor	e-mail	ahmed.abdulghfoor@alshaab.edu.iq
Module Leader's Acad. Title	Lecturer	Module Leader's Qualification	PhD
Module Tutor	Dr. Ahmed Abdulghfoor	e-mail	ahmed.abdulghfoor@alshaab.edu.iq
Peer Reviewer Name	Prof. Zeyad Khaled	e-mail	zeyad.khaled@alshaab.edu.iq
Scientific Committee Approval Date	02/12/2023	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 Objectives أهداف المادة الدراسية	<ol style="list-style-type: none"> ١. تقوية ملكة الطالب اللغوية. ٢. ضبط وإتقان قواعد العربية. ٣. تعريف الطلبة على نظم الكلام وإمكانية اسهامه في تعليم الكتابة وتهذيبها وأوقات تأليفه. ٤. أن يتمكن من معرفة التقسيمات الخاصة بالأفعال. ٥. أن تكون له القدرة على كشف الأخطاء اللغوية. ٦. تعليم القراءة الصحيحة و فهم المنظومات النحوية التعليمية. ٧. تنمية المهارة في معالجة المشكلات التي تواجه الطلبة في تعليم مادة اللغة العربية.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	<ol style="list-style-type: none"> ١. اكتساب الطالب مهارة معرفية عن المفاهيم اللغوية. ٢. صون اللسان من الوقوع في الخطأ في نطق الكلمة. ٣. تنمية قدرات الطالب التعبيرية. ٤. تعليم الطالب على تحليل منظومة الكلام. ٥. تعليم الطالب على التمييز بين أصول الكلمة أو الزيادة وما تؤديه في زيادة المعنى. ٦. تعليم الطالب على أساليب وقواعد ضبط المفردات وصياغتها. ٧. تمكين الطالب على استعمال المفردات اللغوية بالموقع السليم. ٨. تقديم تدريبات لتقوية ملكة الطالب وتنمية مقدرته في الممارسة اللغوية والبلاغة المؤثرة. ٩. تمكين الطلبة من قراءة وتحليل النصوص الادبية وفهمها والقدرة على حفظها.
Indicative Contents المحتويات الإرشادية	

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	تنفيذ مفردات المنهاج الدراسي على وفق رؤية علمية حديثة مبنية على كتب التراث، واعتماد المنهج التحليلي التكامل لتتبع أثر التعقيد النحوي واللغوي في فهم معاني النحو والرسم الكتابي.

Student Workload (SWL)			
الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعاً			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	33	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعياً	2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	17	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعياً	1
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	50		

Module Evaluation					
تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	1	10% (10)	4	LO #1& #2
	Assignments	1	10% (10)	7	LO #3& #4
	On-site work	1	10% (10)	10	LO #5& #6
	Report	1	10% (10)	13	LO #7& #8
Summative assessment	Midterm Exam	2	10% (10)	15	LO #1 - #9
	Final Exam	3	50% (50)	16	LO #1 - #9
Total assessment			100% (100)		

Delivery Plan (Weekly Syllabus)	
المنهاج الأسبوعي النظري	
	Material Covered
Week 1	النحو - أقسام الكلام (اسم وفعل وحرف)، المبتدأ وأنواعه، الخبر وأنواعه.
Week 2	كان واخواتها، إن واخواتها.
Week 3	المثنى والملحق به، جمع المذكر السالم والملحق به، جمع المؤنث السالم والملحق به، الاسماء الخمسة.
Week 4	بناء الفعل الماضي، بناء فعل الأمر.
Week 5	الفعل المضارع بناؤه واعرابه.
Week 6	المفعول به، المفعول المطلق، المفعول لأجله، المفعول فيه، المفعول معه.
Week 7	الشعر - نازك الملائكة.
Week 8	الشعر - مجد مهدي الجواهري.
Week 9	الاملاء- كتابة الهمزة (الوصل والقطع).
Week 10	الهمزة المتوسطة والمتطرفة.

Week 11	كتابة الضاد والطاء.
Week 12	كتابة التاء القصيرة والطويلة.
Week 13	علامات الترقيم – قاعدة الالف الفارقة.
Week 14	كتابة العدد.
Week 15	القرآن الكريم - سورة يس.
Week 16	Final Exam

Learning and Teaching Resources مصادر التعلم والتعليم		
	Text	Available in the Library?
Required Texts	التعبير والإنشاء والرسم الكتابي والإملاء الخطي / أ.د. عبد الرحمن مطلق الجبوري	Yes
Recommended Texts	القرآن الكريم أوضح المسالك لألفية ابن مالك / ابن هشام. شرح قطر الندى وبل الصدى / ابن هشام. همع الهوامع / السيوطي. النحو الوافي / عباس حسن. شذا العرف في فن الصرف ، المهذب في الصرف. قواعد الاملاء في عشرة دروس سهلة / د. فهمي النجار في الادب الحديث / أ.د. فائق مصطفى. في الادب المعاصر / د. بشير عيسوي. الادب العربي في العصر الحديث / د. مصطفى السحرقي.	Yes
Websites	https://maktabeti.com https://www.noor-book.com	

Grading Scheme نظام 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	Supportive	<input checked="" type="checkbox"/> Theory <input type="checkbox"/> Lecture <input type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input type="checkbox"/> Seminar	
Module Code	CIVE110		
ECTS Credits	5		
SWL (hr/sem)	125		
Module Level	1		
Administering Department	CIVE	College	CEIT
Module Leader	Asst. Lect. Mariam Issa	e-mail	mariam.iessa@alshaab.edu.iq
Module Leader's Acad. Title	Assistant Lecturer	Module Leader's Qualification	MSc
Module Tutor	Asst. Lect. Mariam Issa	e-mail	mariam.iessa@alshaab.edu.iq
Peer Reviewer Name	Prof. Zeyad Khaled	e-mail	zeyad.khaled@alshaab.edu.iq
Scientific Committee Approval Date	02/12/2023	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 Objectives أهداف المادة الدراسية	<ol style="list-style-type: none"> 1. Introduce students to some basics of mathematics, which contribute to understanding some of the theories Based on solutions to some engineering problems 2. Solving some engineering problems using basic mathematics theories 3. The ability to find solutions to problems through mathematical methods and drawing.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	<ol style="list-style-type: none"> 1. knowledge of Algebraic and trigonometric functions, their types, properties, and graph. 2. knowledge of the limits and continuity of the functions. 3. Teaching students to evaluate the limits of algebraic and trigonometric functions and to benefit from their definition in solving some Engineering problems and also finding the solutions. 4. Teaching students to define derivatives, find their solutions, and benefit from them in some applications. 5. The ability to Drawing functions and extracting the optimization, as well as the meaning of the rate of change by using derivatives. 6. knowledge the concept of integrals and finding the results of definite and indefinite integrals. 7. The ability to calculate the area under a curve or between two functions, curve length, as well as finding volumes using integration applications
Indicative Contents المحتويات الإرشادية	

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 types of simple experiments involving some sampling activities that are interesting to the students.

Student Workload (SWL) الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعاً			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	63	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعياً	4
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	62	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعياً	4
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	125		

Module Evaluation تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	1	10% (10)	4	LO #1
	Assignments	1	10% (10)	7	LO #2& #3
	On-site work	1	10% (10)	10	LO #4
	Report	1	10% (10)	13	LO #5& #6
Summative assessment	Midterm Exam	2	10% (10)	15	LO #1 - #7
	Final Exam	3	50% (50)	16	LO #1 - #7
Total assessment			100% (100)		

Delivery Plan (Weekly Syllabus) المنهاج الأسبوعي النظري	
	Material Covered
Week 1	Trigonometric Functions
Week 2	Function and their Graphs, Even and Odd Functions,
Week 3	Equation of Lines and Circles. Limits, Definition
Week 4	Limits Involving Infinity, Limits Involving $(\sin x)/x$
Week 5	Continuous Functions, Differentiation of a function $f(x)$
Week 6	Differentiation Rules, Second and higher order derivative,
Week 7	Derivatives of Trigonometric Functions,
Week 8	Chain Rule, Implicit Differentiation
Week 9	Maximum and minimum, Equation of the line.
Week 10	Applied Optimization, The Mean Value Theorem
Week 11	Concavity and Curve Sketching
Week 12	Indefinite Integrals, Integration of Trigonometric Functions,
Week 13	The Definite Integral, Properties of definite integral
Week 14	Area between Curves, Arc length (length of the Curve),
Week 15	Surface Area for Revolution, volumes
Week 16	Final Exam

Learning and Teaching Resources مصادر التعلم والتعليم		
	Text	Available in the Library?
Required Texts	Thomas ' Calculus, Based on the original work by George B. Thomas, Jr. Twelfth Edition	Yes
Recommended Texts	George B. Thomas, JR. and Ross L. Finney "Calculus ",11th Ed. 2010	Yes
Websites		

Grading Scheme

نظام 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	Engineering Mechanics I	Module Delivery	
Module Type	Core	<input checked="" type="checkbox"/> Theory <input type="checkbox"/> Lecture <input type="checkbox"/> Lab <input checked="" type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input type="checkbox"/> Seminar	
Module Code	CIVE111		
ECTS Credits	5		
SWL (hr/sem)	125		
Module Level	1	Semester of Delivery	1
Administering Department	CIVE	College	CEIT
Module Leader	Dr. Yasser Sami	e-mail	yasser.sami@alshaab.edu.iq
Module Leader's Acad. Title	Lecturer	Module Leader's Qualification	PhD
Module Tutor	Dr. Yasser Sami	e-mail	yasser.sami@alshaab.edu.iq
Peer Reviewer Name	Prof. Zeyad Khaled	e-mail	zeyad.khaled@alshaab.edu.iq
Scientific Committee Approval Date	02/12/2023	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 Objectives أهداف المادة الدراسية	<ol style="list-style-type: none"> 1. Define and discuss the most important mechanical properties and durability of engineering mechanics. 2. To introduce students to the basic concepts of engineering analysis as they apply to the strength and rigidity of statically determinate structures. 3. Provide an introduction to civil engineering static systems and the methods and instruments for simulating such systems.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	<ol style="list-style-type: none"> 1. To understand and implement Newton's laws of motion. 2. Recall and apply trigonometric laws to vector addition and decomposition. 3. Construct "Free Body Diagrams" for real-world problems and use Newton's Laws of Motion and vector operations to evaluate the equilibrium of particles and bodies. 4. Determine the moment and magnitude of a force about a given axis. Describe the experience a couple is having. 5. Analyze the forces in planar truss members using the principles of particle and body equilibrium. 6. Analyze the reactions of planar beams and frames using the principles of particle and body equilibrium.
Indicative Contents المحتويات الإرشادية	

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	The major approach for presenting this module will be to encourage students to participate in the tasks while also polishing and improving their critical thinking abilities. This will be accomplished via courses, interactive tutorials that are of interest to the students.

Student Workload (SWL) الحمل الدراسي للطلاب محسوب لـ ١٥ اسبوعاً			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطلاب خلال الفصل	63	Structured SWL (h/w) الحمل الدراسي المنتظم للطلاب أسبوعياً	4
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطلاب خلال الفصل	62	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطلاب أسبوعياً	4
Total SWL (h/sem) الحمل الدراسي الكلي للطلاب خلال الفصل	125		

Module Evaluation تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	1	10% (10)	4	LO #1
	Assignments	1	10% (10)	7	LO #2& #3
	On-site work	1	10% (10)	10	LO #4
	Report	1	10% (10)	13	LO #5& #6
Summative assessment	Midterm Exam	2	10% (10)	15	LO #1 - #6
	Final Exam	3	50% (50)	16	LO #1 - #6
Total assessment			100% (100)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	
	Material Covered
Week 1	General Principles
Week 2	Scalars and Vectors
Week 3	Force System Resultants
Week 4	The Free-Body Diagram and condition for the Equilibrium of a Particle
Week 5	Moment of a Force—Scalar Formulation and
Week 6	Moment of a Couple
Week 7	Constraints and Statically Determinacy
Week 8	Type of loads on beams
Week 9	Reactions analysis of the beams
Week 10	Rigid-Body Equilibrium
Week 11	Reactions analysis of the frames
Week 12	Simple Trusses
Week 13	The Method of Joints
Week 14	Zero-Force Members
Week 15	The Method of Sections
Week 16	Final Exam

Learning and Teaching Resources		
مصادر التعلم والتعليم		
	Text	Available in the Library?
Required Texts	Engineering Mechanics Statics and Dynamic, by Higdon. Engineering Mechanics Statics and Dynamic, by Meriam.	Yes Yes
Recommended Texts	Mechanics for Engineers-Statics and Dynamic, by Ferdinand P. Beer, E. Russell.	Yes
Websites		

Grading Scheme				
نظام 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
<p>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.</p>				

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	Engineering Drawings	Module Delivery	
Module Type	Core	<input checked="" type="checkbox"/> Theory <input type="checkbox"/> Lecture <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input type="checkbox"/> Seminar	
Module Code	CIVE112		
ECTS Credits	5		
SWL (hr/sem)	125		
Module Level	1	Semester of Delivery	1
Administering Department	CIVE	College	CEIT
Module Leader	Asst. Lect. Farah Ahmed	e-mail	farah.ahmed@alshaab.edu.iq
Module Leader's Acad. Title	Assistant Lecturer	Module Leader's Qualification	MSc
Module Tutor	Asst. Lect. Farah Ahmed	e-mail	farah.ahmed@alshaab.edu.iq
Peer Reviewer Name	Prof. Zeyad Khaled	e-mail	zeyad.khaled@alshaab.edu.iq
Scientific Committee ApprovalDate	02/12/2023	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 Objectives أهداف المادة الدراسية	<ol style="list-style-type: none"> 1. Identify, formulate, and solve complex engineering problems by applying principles of engineering, and science. 2. Ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, considering the impact of engineering solutions in global, economic, and environment. 3. Ability to function effectively on a team to provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives. 4. Develop the thinking skills student's imagination ability and the ability to express and transfer the ideas in the form of geometric structures. 5. Wariness of ethical considerations in engineering design, such as protecting the privacy of study participants and avoiding misleading conclusions.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	<ol style="list-style-type: none"> 1. Understanding and Learn the theories and methods used in drawing different geometric shapes and structures. 2. Understanding of the importance of engineering drawings and how to use imagine to make decisions and draw concept about the engineering design. 3. Knowledge a 47 Learn how to use the engineering theories used in drawing different geometric shapes. 4. Ability to use the engineering tools and different methods in drawing different geometric shapes 5. Accurate visualization and drawing of geometric shapes and structures manually. 6. Intelligent handling of geometric shapes and reading the engineering drawings 7. Ability to interpret the engineering drawings to an execution drawing
Indicative Contents المحتويات الإرشادية	

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	<ul style="list-style-type: none"> • Teaching students to definition of Engineering drawing • Encourage students' participation in the exercises, and assignments • Expanding their critical thinking skills. This will be achieved through classes, interactive tutorials and by considering types exercises and some sampling activities that are interesting to the students. • Practice testing (short question answers and exams).

Student Workload (SWL) الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعاً			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	63	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعياً	5
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	62	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعياً	5
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	125		

Module Evaluation تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	1	10% (10)	4	LO #1 & #2
	Assignments	1	10% (10)	7	LO #3 & #4
	Lab.	1	10% (10)	10	LO #5 & #6
	Report	1	10% (10)	13	LO #7
Summative assessment	Midterm Exam	2	10% (10)	15	LO #1 - #7
	Final Exam	3	50% (50)	16	LO #1 - #7
Total assessment			100% (100)		

Delivery Plan (Weekly Syllabus) المنهاج الأسبوعي النظري	
	Material Covered
Week 1	Introduction to engineering drawings
Week 2	Engineering drawing instruments
Week 3	Drawing sheet layout, and title block
Week 4	Types of engineering straight lines
Week 5	Types of engineering straight lines
Week 6	Types of engineering straight lines
Week 7	Assignments discussion
Week 8	Engineering operations in engineering drawings
Week 9	Engineering operations in engineering drawings

Week 10	principles of dimension & scales of drawing
Week 11	Drawing the three projection
Week 12	Drawing the three projection
Week 13	Reports discussion
Week 14	Isometric drawing
Week 15	Isometric drawing
Week 16	Final Exam

Delivery Plan (Weekly Lab. Syllabus) المنهاج الأسبوعي للمختبر	
	Material Covered
Week 1-3	Introduction to engineering drawings, instruments Drawing sheet layout, and title block
Week 4-6	Types of engineering straight lines
Week 7	Assignments discussion
Week 8&9	Engineering operations in engineering drawings
Week 10&11	principles of dimension & scales of drawing
Week 12&13	Drawing the three projections
Week 14&15	Isometric drawing
Week 16	Reports discussion

Learning and Teaching Resources مصادر التعلم والتعليم		
	Text	Available in the Library?
Required Texts	Abdilrasool Al-Khaffaf - University of Technology	Yes
Recommended Texts	Thomas E. French - Eleven Edition - Ohio State University	Yes
Websites		

Grading Scheme

نظام 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	Physics	Module Delivery	
Module Type	Supportive	<input checked="" type="checkbox"/> Theory <input type="checkbox"/> Lecture <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input type="checkbox"/> Seminar	
Module Code	CIVE113		
ECTS Credits	5		
SWL (hr/sem)	125		
Module Level	1	Semester of Delivery	1
Administering Department	CIVE	College	CEIT
Module Leader	Asst. Lect. Zahra Abdulkareem	e-mail	zahra.abdulkareem@alshaab.edu.iq
Module Leader's Acad. Title	Assistant Lecturer	Module Leader's Qualification	MSc
Module Tutor	Asst. Lect. Zahra Abdulkareem	e-mail	zahra.abdulkareem@alshaab.edu.iq
Peer Reviewer Name	Prof. Zeyad Khaled	e-mail	zeyad.khaled@alshaab.edu.iq
Scientific Committee Approval Date	02/12/2023	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 Objectives أهداف المادة الدراسية	<ol style="list-style-type: none">1. To develop problem solving skills and understanding of physics theory through the application of techniques.2. To understand acquires knowledge and special skills in physics.3. This course deals with the basic concept of physics.4. To analyze simple geometric shape and structures and find results using the relevant theories.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	<ol style="list-style-type: none">1. To demonstrate an assured ability to identify relevant principles and laws when dealing with physics problems.2. To make approximations necessary to obtain solutions. Confidently solve problems in physics using appropriate mathematical tools.3. To Present and interpret scientific information graphically to solve complex problems.4. To communicate scientific information about problem solving, in particular to produce clear and accurate scientific reports.
Indicative Contents المحتويات الإرشادية	

Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

Strategies

1. Hands-on Experiments and Demonstrations:
 - Performing experiments and demonstrations allows students to actively engage with the concepts and principles of physics. It helps them visualize and understand abstract ideas.
 - Encourage students to design and conduct their own experiments, fostering critical thinking and problem-solving skills.
2. Problem-Solving Approach:
 - Physics is a problem-solving discipline. Emphasize the importance of practicing and solving physics problems regularly.
 - Teach problem-solving strategies, such as identifying given information, selecting appropriate equations, and analyzing the problem step by step.
 - Provide a variety of problem-solving exercises, including both theoretical and real-world applications.
3. Conceptual Understanding:
 - Focus on building a strong conceptual foundation. Help students develop a deep understanding of fundamental concepts and their interrelationships.
 - Use analogies, real-life examples, and visual aids to illustrate abstract concepts and make them relatable.
 - Encourage discussions and questions to clarify misunderstandings and promote critical thinking.

Student Workload (SWL)

الحمل الدراسي للطلاب محسوب لـ ١٥ اسبوعاً

Structured SWL (h/sem) الحمل الدراسي المنتظم للطلاب خلال الفصل	63	Structured SWL (h/w) الحمل الدراسي المنتظم للطلاب أسبوعياً	4
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطلاب خلال الفصل	62	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطلاب أسبوعياً	4
Total SWL (h/sem) الحمل الدراسي الكلي للطلاب خلال الفصل	125		

Module Evaluation					
تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	1	10% (10)	4	LO #1
	Assignments	1	10% (10)	7	LO #2
	Lab.	1	10% (10)	10	LO #3
	Report	1	10% (10)	13	LO #4
Summative assessment	Midterm Exam	2	10% (10)	15	LO #1 - #4
	Final Exam	3	50% (50)	16	LO #1 - #4
Total assessment			100% (100)		

Delivery Plan (Weekly Syllabus)	
المنهاج الأسبوعي النظري	
	Material Covered
Week 1	Introduction to vectors
Week 2	Introduction to vectors
Week 3	Uniformly accelerated motion
Week 4	Uniformly accelerated motion
Week 5	Newton's law
Week 6	Newton's law
Week 7	Assignments discussion
Week 8	Equilibrium under the action of concurrent forces
Week 9	Equilibrium under the action of concurrent forces
Week 10	Equilibrium or a rigid body under coplanar forces
Week 11	Energy and power
Week 12	Energy and power
Week 13	Reports discussion
Week 14	Impulse and momentum
Week 15	Impulse and momentum
Week 16	Preparatory week before the final Exam

Delivery Plan (Weekly Lab. Syllabus) المنهاج الأسبوعي للمختبر	
	Material Covered
Week 1&2	Introduction to Experimental Measurements and Data Analysis
Week 3&4	Forces and Newton's Laws
Week 5&6	Conservation of Mechanical Energy
Week 7&8	Simple Harmonic Motion
Week 9&10	Electric Fields and Potentials
Week 11&12	Electric Circuits
Week 13&14	Fluids and Heat
Week 15	Reports Discussion
Week 16	

Learning and Teaching Resources مصادر التعلم والتعليم		
	Text	Available in the Library?
Required Texts	Theory and Problem of College Physics , McGraw-Hill	Yes
Recommended Texts	Physical Science and Engineering	No
Websites	https://www.coursera.org/browse/physical-science-and-engineering/electrical-engineering	

Grading Scheme نظام 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
<p>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.</p>				

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	Computer Fundamentals and Programming I		Module Delivery
Module Type	Supportive		<input checked="" type="checkbox"/> Theory <input type="checkbox"/> Lecture <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input type="checkbox"/> Seminar
Module Code	CIVE114		
ECTS Credits	3		
SWL (hr/sem)	75		
Module Level	1	Semester of Delivery	
Administering Department	CIVE	College	CEIT
Module Leader	Asst. Lect. Zainab Khamees	e-mail	zainab.khamees@alshaab.edu.iq
Module Leader's Acad. Title	Assistant Lecturer	Module Leader's Qualification	MSc
Module Tutor	Asst. Lect. Zainab Khamees	e-mail	zainab.khamees@alshaab.edu.iq
Peer Reviewer Name	Prof. Zeyad Khaled	e-mail	zeyad.khaled@alshaab.edu.iq
Scientific Committee Approval Date	02/12/2023	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 Objectives أهداف المادة الدراسية	<ol style="list-style-type: none"> 1. The student should be able and confident to use computer and Microsoft office (Word), and hoe to save manage files. 2. Been able to write a program in visual basic. 3. Providing the student with the necessary skills and mechanisms to deal with the latest developments in scientific and technical progress in their field of specialization. 4. Instilling the spirit of diligence and perseverance and encouraging them to create and innovate
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	<ol style="list-style-type: none"> 1. Introduction to computers –and how to use (word office) 2. introduction, Introduction to Visual Basic Language and Environment 3. Controls (Label, Textbox, Command Button) 4. Controls (Option buttons, Check boxes and and List box and Combo box)) 5. Controls (Frame, Line, and Shape and MsgBox() and Inputbox() functions) 6. Controls (timer , scrollbar) 7. For –next Loops 8. nested loops with for loops 9. Do until loop and Do While loops 10. (IF.... THEN... Eels) 11. select case – select statement) 12. Matrix 1D 13. Matrix 2D
Indicative Contents المحتويات الإرشادية	

Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

Strategies	<p>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 by developing their own problem statements. This will be achieved through classes, interactive through the hands-on activities during using computers.</p>
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Student Workload (SWL) الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعاً			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	60	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعياً	4
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	15	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعياً	1
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)	4	LO #1 - #3
	Assignments	1	10% (10)	7	LO #4 - #6
	Lab.	1	10% (10)	10	LO #7 - #9
	Report	1	10% (10)	13	LO #10 - #12
Summative assessment	Midterm Exam	2	10% (10)	15	LO #1 - #13
	Final Exam	3	50% (50)	16	LO #1 - #13
Total assessment			100% (100)		

Delivery Plan (Weekly Syllabus) المنهاج الأسبوعي النظري	
	Material Covered
Week 1	Introduction to computers and how to use (Microsoft Office)
Week 2	Introduction to Visual Basic Language and Environment
Week 3	Controls (Label, Textbox, Command Button)
Week 4	Controls (Option buttons, Check boxes and List box and Combo box)
Week 5	Controls (Frame, Line, and Shape and (Msgbox and Inputbox functions)
Week 6	Controls (timer , scrollbar)
Week 7	Assignments discussion
Week 8	For–next Loops

Week 9	Nested loops with for loops
Week 10	Do until loop and Do While loops
Week 11	(IF... THEN... Eels)
Week 12	select case – select statement
Week 13	Reports discussion
Week 14	Matrix 1D
Week 15	Matrix 2D
Week 16	Final Exam

Delivery Plan (Weekly Lab. Syllabus) المنهاج الأسبوعي للمختبر	
	Material Covered
Week 1	Introduction to computers and how to use (Microsoft Office)
Week 2	Introduction to Visual Basic Language and Environment
Week 3	Controls (Label, Textbox, Command Button)
Week 4	Controls (Option buttons, Check boxes and List box and Combo box)
Week 5	Controls (Frame, Line, and Shape) and (Msgbox and Inputbox functions)
Week 6	Controls (timer , scrollbar)
Week 7	Assignments discussion
Week 8	For–next Loops
Week 9	Nested loops with for loops
Week 10	Do until loop and Do While loops
Week 11	(IF... THEN... Eels)
Week 12	select case – select statement
Week 13	Reports discussion
Week 14	Matrix 1D
Week 15	Matrix 2D

Learning and Teaching Resources مصادر التعلم والتعليم		
	Text	Available in the Library?
Required Texts	البرمجة بلغة بيسك المرئي	Yes
Recommended Texts	بيسك فيجوال - القواعد والأساسيات	Yes
Websites		

Grading Scheme نظام 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	Workshop Technology		Module Delivery
Module Type	Supportive		<input type="checkbox"/> Theory <input type="checkbox"/> Lecture <input type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input checked="" type="checkbox"/> Practical <input type="checkbox"/> Seminar
Module Code	CIVE115		
ECTS Credits	3		
SWL (hr/sem)	75		
Module Level	1	Semester of Delivery	
Administering Department	CIVE	College	CEIT
Module Leader	Anwar Adnan	e-mail	anwar.adnan@alshaab.edu.iq
Module Leader's Acad. Title	Assistant Lecturer	Module Leader's Qualification	MSc
Module Tutor	Anwar Adnan	e-mail	anwar.adnan@alshaab.edu.iq
Peer Reviewer Name	Prof. Zeyad Khaled	e-mail	zeyad.khaled@alshaab.edu.iq
Scientific Committee Approval Date	02/12/2023	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 Objectives أهداف المادة الدراسية	<ol style="list-style-type: none"> ١. تعريف الطلبة بتقنيات أعمال الورش المختلفة ذات الصلة بالهندسة المدنية. ٢. تعريف الطلبة بالمواد والمعدات والعدد والأدوات اللازمة لأعمال الورش المختلفة ذات الصلة. ٣. تعريف الطلبة بقواعد وشروط السلامة المهنية في أعمال الورش. ٤. تنمية مهارات الطلبة في التعامل مع الأعمال التقنية. ٥. تنمية ادراك الطلبة لما تتطلبه أعمال الورش من وقت وجهد. ٦. تنمية مهارات الطلبة في تقييم جودة الأعمال المنجزة في الورش.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	<ol style="list-style-type: none"> ١. اكتساب الطالب المهارات والمعرفة اللازمة لأعمال ورشة النجارة. ٢. اكتساب الطالب المهارات والمعرفة اللازمة لأعمال ورشة الكهرباء. ٣. اكتساب الطالب المهارات والمعرفة اللازمة لأعمال ورشة السمكرة. ٤. اكتساب الطالب المهارات والمعرفة اللازمة لأعمال ورشة الحدادة. ٥. اكتساب الطالب المهارات والمعرفة اللازمة لأعمال ورشة اللحام. ٦. اكتساب الطالب المهارات والمعرفة اللازمة لأعمال ورشة البرادة. ٧. اكتساب الطالب المهارات والمعرفة اللازمة لأعمال ورشة السباكة. ٨. اكتساب الطالب المهارات والمعرفة اللازمة لأعمال ورشة السيارات.
Indicative Contents المحتويات الإرشادية	

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	تنفيذ مفردات المنهاج الدراسي على وفق رؤية علمية حديثة تتمحور على الطالب واكسابه المهارات المطلوبة.

Student Workload (SWL)			
الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعاً			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	48	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعياً	2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	27	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعياً	1
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)	4	LO #1& #2
	Assignments	1	10% (10)	7	LO #3& #4
	On-site work	1	10% (10)	10	LO #5& #6
	Report	1	10% (10)	13	LO #7& #8
Summative assessment	Midterm Exam	2	10% (10)	15	LO #1 - #8
	Final Exam	3	50% (50)	16	LO #1 - #8
Total assessment			100% (100)		

Delivery Plan (Weekly Syllabus)	
المنهاج الأسبوعي النظري	
	Material Covered
Week 1	ورشة النجارة: التعرف على أنواع الأخشاب المستخدمة في النجارة والأدوات والعدد اليدوية وكيفية استخدامها وشروط السلامة المهنية وكيفية حد الأجزاء القاطعة وطرق صيانتها وكيفية مسح وتعديل وضبط الزوايا والقياسات.
Week 2	
Week 3	
Week 4	ورشة الكهرباء: التعرف على التأسيسات الكهربائية للمباني بكافة جوانبها النظرية والعملية والأجهزة والعدد اللازمة. وكيفية ربط الدوائر الكهربائية. وكيفية استخدام كاوية اللحام الكهربائية والصولدر.
Week 5	
Week 6	ورشة السمكرة: التعرف على كيفية تحويل الصفائح المعدنية المغلونة إلى أشكال مجسمة واطلاع الطلبة على أنواع الربط والاستخدام المناسب للأجهزة والمعدات اللازمة.
Week 7	ورشة البرادة: التعرف على كيفية عمل الاسطح المستوية، النشر الآلي وضبط الزوايا القائمة والمائلة، وضبط القياسات والابعاد، والتنقيب وعمل المجاري، وعمل اسنان داخلية وخارجية، والشنكرة.
Week 8	ورشة الحدادة: التعرف على كيفية تشكيل المعادن بالحدادة والعمليات الأساسية للحدادة اليدوية (السحب، الخصر، التسوية، الكبس، الاستدارة، الثني، الثقب، اللي، القطع، اللحام). واستخدام العدد اليدوية والمعدات كالمطارق والمكابس بأنواعها المختلفة.
Week 9	

Week 10	ورشة اللحام: التعرف على طرق اللحام كاللحام بالغاز الأوكسي استلين (Gas Welding) واللحام بالقوس الكهربائي اليدوي (Arc Welding) ولحام القوس الكهربائي المحمي بغاز خامل مثل الآركون مع مكائن لحام ذات قطب التنكستن (T.I.G) أو ثاني اوكسيد الكربون مع مكائن (M.I.G). وأخيراً لحام المقاومة الكهربائية وبالتحديد اللحام النقطي (Spot Welding).
Week 11	
Week 12	ورشة السبابة: التعرف على السبابة وهي من الطرق المستخدمة في تشكيل المعادن. وتعد السبابة الرملية أقدم الطرق المتبعة في إنتاج المسبوكات ومنها مسبوكات كبيرة الحجم و مسبوكات شديدة التعقيد.
Week 13	
Week 14	ورشة السيارات: التعرف على أجزاء السيارة ومكوناتها وأجهزتها والمحرك والمنظومات المختلفة الميكانيكية والكهربائية وعملها وأنواع الوقود والزيوت
Week 15	
Week 16	Final Exam

Learning and Teaching Resources

مصادر التعلم والتعليم

	Text	Available in the Library?
Required Texts	تطبيق عملي في الورش	No
Recommended Texts		No
Websites		

Grading Scheme

نظام الدرجات

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

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