

First stage 2024–2025

Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)							
UGI	One	1	ENV111	Mathematics	الرياضيات	English	3				2		3	78	72	150	6.00	S	
		2	ENV112	Statics	ميكانيك السكون	English	3				2		3	78	72	150	6.00	S	
		3	ENV113	Engineering Drawing	الرسم الهندسي	English	0		6				3	93	82	175	7.00	S	
		3	ENV114	Environmental Thermodynamics	ترموديناميك البيئة	English	2				1		3	48	52	100	4.00	S	
		5	ENV115	Statistics	الإحصاء	English	2						3	33	42	75	3.00	S	
		6	UOM1011	Arabic1	اللغة العربية 1 (المستوى الأول)	Arabic	2						3	33	17	50	2.00	B	
		7	UOM1040	Democracy and Human Rights	الديمقراطية وحقوق الانسان (المستوى الأول)	Arabic	2						3	33	17	50	2.00	B	
						Total	14	0	6	0	5	0	21	396	354	750	30.00		
														25					
	Two	1	ENV121	Calculus	حسابات التفاضل والتكامل	English	3				2		3	78	72	150	6.00	S	ENV111
		2	ENV122	Dynamics	ميكانيك الحركة	English	2				1		3	48	77	125	5.00	S	
		3	ENV123	Principles of Environmental Engineering	مبادئ هندسة البيئة	Arabic	2	2					3	63	37	100	4.00	C	
		4	ENV124	Environmental Geology	جيولوجيا البيئة	Arabic	2						3	33	42	75	3.00	S	
		5	ENV125	Drawing by Computer	الرسم بواسطة الحاسوب	English			4				3	63	112	175	7.00	S	ENV113
		6	UOM1031	Computer1	حاسوب 1 (المستوى الأول)	English	1		2				3	48	27	75	3.00	B	
		7	UOM1021	English 1	اللغة الإنكليزية 1 (المستوى الأول)	English	2						3	33	17	50	2.00	B	
						Total	12	2	6	0	3	0	21	366	384	750	30.00		
														23					

Second stage 2024–2025

Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code	
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)								
UGII	Three	1	ENV211	Engineering Mathematics	الرياضيات الهندسية	English	3				2		3	78	72	150	6.00	S	ENV121	
		2	ENV212	Fluids Mechanics	ميكانيك الموائع	English	2		2		1		3	78	47	125	5.00	C		
		3	ENV213	Environmental Chemistry	كيمياء البيئة	English	2		2				3	63	37	100	4.00	S		
		4	ENV214	Engineering Surveying	المساحة الهندسية	English	2		3				3	78	22	100	4.00	S		
		5	ENV215	Strength of Materials	مقاومة المواد	English	2				1		3	48	52	100	4.00	S	ENV112	
		6	ENV216	Engineering Hydrology	علم المياه	English	2						3	33	42	75	3.00	S		
		7	UOM2050	The Crimes of the Baath Party in Iraq	جرائم حزب البعث في العراق	Arabic	2						3	33	17	50	2.00	B		
		8	UOM2022	English 2	اللغة الإنكليزية 2	English	2						3	33	17	50	2.00	B		
						Total	17	0	7	0	4	0	24	444	306	750	30.00			
														28						
	Four	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
								CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)							
			1	ENV221	Water Quality Engineering	هندسة نوعية المياه	English	3		2				3	78	97	175	7.00	C	
			2	ENV222	Concrete and Building Technology	تكنولوجيا الخرسانة والبناء	English	3		2				3	78	72	150	6.00	S	
			3	ENV223	Survey Applications and GIS	تطبيقات المساحة ونظم المعلومات الجغرافية	English	2		3				3	78	72	150.00	6.00	S	
		4	ENV224	Microbiology	احياء مجهرية	English	2		2				3	63	87	150	6.00	S		
		5	UOM2012	Arabic2	اللغة العربية 2	Arabic	2						3	33	17	50	2.00	B		
		6	UOM2032	Computer2	حاسوب 2	English	2		2				3	63	12	75	3.00	B		
					Total	14	0	11	0	0	0	18	393	357	750	30.00				
													25							

Third stage 2024–2025

Code	Subject	First Semester			Credit Hours	Achievement Weight	Final Exam Weight
		Weekly Houres					
		Theoretical	Practical	Tutorial			
ENV301	Soil Mechanics	4	2	–	5	50	50
ENV302	Networks Water Supply	3	–	–	3	40	60
ENV303	Air Pollution Principles of	3	–	–	3	40	60
ENV304	Engineering Wastewater	3	–	–	3	40	60
ENV305	of Solid Waste Fundamental	3	–	–	3	40	60
ENV306	Sustaniablity Engineering	2	–	–	2	40	60
Sum		18	2	0	19		
Number of Weekly Hours		20					

Code	Subject	Second Semester			Credit Hours	Achievement Weight	Final Exam Weight
		Weekly Houres					
		Theoretical	Practical	Tutorial			
ENV307	Sewer Networks	3	–	–	3	40	60
ENV308	Engineering Foundation	3	–	–	3	40	60
ENV309	Control Air Pollution	3	–	–	3	40	60
ENV310	Concrete Reinforced	3	–	–	3	40	60
ENV311	Management Solid Waste	3	–	–	3	40	60
ENV312	Pollution Noise	2	–	–	2	40	60
ENV313	Thermal Pollution Radiation and	2	–	–	2	40	60
Sum		19	0	0	19		
Number of Weekly Hours		19					

Forth stage 2024–2025

Forth level (Autumn semester)									
Requirement Name	Requirement Type (Compulsory - Elective)	Course Name		Theoretical Hours	Applied Hours	Units	Pre-request Course, if present	Code	Notes
		Arabic language	English language						
College	Compulsory	إدارة هندسية	Engineering management	2		2		ENG 425	
	Elective	هندسة البيئة المستدامة	Environmental engineering and Sustainable	2		2		ENG 436	
Department	Compulsory	معالجة مياه الشرب	Drinking water treatment	4		4	Water quality ، engineering Water supply ، network Hydraulic application	ENV440	
	Compulsory	تصاميم محطات معالجة مياه الفضلات	Wastewater treatment design	4		4	Water quality engineering ، Sanitary sewer networks ، Hydraulic application	ENV441	
	Compulsory	تصاميم انشائية ببنية	Environmental construction design	3		3	Reinforcement ، concrete Foundation engineering	ENV442	
	Compulsory	السيطرة على تلوث الهواء	Air pollution control	3		3	Air pollution	ENV443	
	Compulsory	1مشروع هندسي	Engineering Project_1	2		2		ENV444	
Credits summation of the first semester				20	0	02			

Forth level (Spring semester)									
Requirement Name	Requirement Type (Compulsory - Elective)	Course Name		Theoretical Hours	Applied Hours	Units	Pre-request Course, if present	Code	Notes
		Arabic language	English language						
University	Compulsory	اللغة الإنكليزية - متقدم	English language - Advanced	2		2		UOM	
College	Compulsory	اقتصاد هندسي	Engineering economic	2		2	Engineering management	ENG426	
Department	Compulsory	معالجة فضلات صناعية وخطرة	Industrial and hazardous wastewater	4		4	Wastewater treatment design	ENV445	
	Compulsory	تلوث التربة والمياه الجوفية	Soil and ground water pollution	3		3	Water quality engineering ‘ Hydrology	ENV446	
	Compulsory	رسم انشائي	Construction drawing	2		2	Engineering drawing ‘ Reinforcement concrete	ENV447	
	Compulsory	تخمين	Estimation	2		2		ENV448	
	Compulsory	مشروع 2 هندسي	Engineering Project - 2	2		2		ENV449	
	Compulsory	معالجة مياه شرب متقدمة	Advance water supply	2		2	Drinking water treatment	ENV490	The student selects one course
	Compulsory	معالجة مياه فضلات متقدمة	Advance wastewater treatment	2		2	Wastewater treatment design	ENV491	
Credits summation of the first semester				19	0	19			