

University of Mosul جامعة الموصل



First Cycle – Bachelor's Degree (B.Sc.) – Civil Engineering
بكالوريوس - هندسة مدنية



7. Modules | المنهاج الدراسي

		Republic of Iraq - Ministry of Higher Education and Scientific Research University of Mosul Bachelor's degree in Civil Engineering (First cycle) Four years (Eight semesters) - 240 ECTS credits - 1 ECTS = 25 hr Program Curriculum (2024 - 2025)										جمهورية العراق - وزارة التعليم العالي والبحث العلمي جامعة الموصل بكالوريوس في الهندسة المدنية (الدورة الأولى) أربع سنوات (ثمانية فصول دراسية) - ٢٤٠ وحدة اوروبية - كل وحدة اوروبية = ٢٥ ساعة المنهاج الدراسي للعام (2024 - 2025)											
Level	Semester	No.	Module Code	Module Name in English	Language	SSWL (hr/w)					Semn (hr/w)	Exam hr/sem	SSWL	USSWL	SWL	ECTS	Module Type	Prerequisite Module(s) Code					
						CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)			hr/sem	hr/sem	hr/sem								
UGI	One	1	CE101	Mathematics I	English	3				2		3	78	72	150	6.00	C						
		2	CE102	Engineering Mechanics I	English	3				2		3	78	72	150	6.00	C						
		3	CE103	Engineering Drawing I	English	2		2				3	63	62	125	5.00	C						
		4	CE104	Geology	Arabic	2		2				3	63	87	150	6.00	C						
		5	CE105	Statistics I	English	2						3	33	42	75	3.00	S						
		6	UOM104	Democracy and Human Rights	Arabic	2						3	33	17	50	2.00	B						
		7	UOM102	English Language	English	2						3	33	17	50	2.00	B						
					Total	16	0	4	0	4	0	21	381	369	750	30.00							
	Two	Semester	No.	Module Code	Module Name in English	Language	SSWL (hr/w)					Semn (hr/w)	Exam hr/sem	SSWL	USSWL	SWL	ECTS	Module Type	Prerequisite Module(s) Code				
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)			hr/sem	hr/sem	hr/sem							
		1	CE106	Mathematics II	English	3					2		3	78	97	175	7.00	C					
		2	CE107	Engineering Mechanics II	English	3					2		3	78	97	175	7.00	C					
		3	CE108	Engineering drawing II	English	2		2					3	63	87	150	6.00	C					
		4	UOM103	Computer	Arabic	1		2					3	48	27	75	3.00	B					
		5	CE109	Statistics II	English	2							3	33	42	75	3.00	S					
		9	CE110	Electrical Engineering	English	2							3	33	17	50	2.00	S					
	7	UOM101	Arabic Language	Arabic	2							3	33	17	50	2.00	B						
					Total	15	0	4	0	4	0	21	366	384	750	30							
Level	Semester	No.	Module Code	Module Name in English	Language	SSWL (hr/w)					Semn (hr/w)	Exam hr/sem	SSWL	USSWL	SWL	ECTS	Module Type	Prerequisite Module(s) Code					
CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	hr/sem	hr/sem	hr/sem																
UGII	Three	1	CE201	Engineering Mathematics I	English	2				2		3	63	62	125	5.00	C						

		2	CE202	Mechanics of Materials I	English	2				2		3	63	62	125	5.00	C	CE102, CE107	
		3	CE203	Computer programming	Arabic	1	1	2				3	63	62	125	5.00	S		
		4	CE204	Concrete technology I	English	2		2				3	63	62	125	5.00	C		
		5	CE205	Engineering surveying I	English	2		3				3	78	72	150	6.00	C		
		6	CE206	English language II	English	2						3	33	17	50	2.00	B		
		7	UOM201	The crimes of the Baath regime in Iraq	Arabic	2						3	33	17	50	2.00	B		
					Total	13	1	7	0	4	0	21	396	354	750	30.00			
		Semester	No.	Module Code	Module Name in English	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
		Four	1	CE208	Engineering Mathmatics II	English	2				2		3	63	62	125	5.00	C	
			2	CE209	Mechanics of Materials II	English	2				2		3	63	62	125	5.00	C	
			3	CE210	Fluid mechanics	English	2		2				3	63	37	100	4.00	S	
			4	CE211	Concrete technology II	English	2		2				3	63	62	125	5.00	C	
			5	CE212	Engineering surveying II	English	2		3				3	78	72	150	6.00	C	
			6	CE213	Building construction and damages assessment	Arabic	2				1		3	48	27	75	3.00	C	
			7	CE214	Occupational Safety	Arabic	2						3	33	17	50	2.00	S	
						Total	14	0	7	0	5	0	21	411	339	750	30		
	Level	Semester	No.	Module Code	Module Name in English	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
	UGIII	Five	1	CE301	Engineering and numerical analysis	English	2			2	1		3	78	47	125	5.00	B	
2			CE302	Theory of structures I	English	2	1			2		3	78	72	150	6.00	C		
3			CE303	Soil mechanics I	English	2	1	2				3	78	72	150	6.00	C		
4			CE304	Reinforced concrete I	English	2	1			2		3	78	72	150	6.00	C	CE202, CE209	
5			CE305	Highway engineering I	English	2		2				3	63	62	125	5.00	C		
6			CE306	English language III	English	2						3	33	17	50	2.00	S		
					Total	12	3	4	2	5	0	18	408	342	750	30.00			
Semester	No.	Module Code	Module Name in English	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code		

						(hr/w)												
Six	1	CE307	Engineering Project Management		Arabic	2	1					3	48	27	75	3.00	C	
	2	CE308	Theory of structures II		English	2	1			2		3	78	72	150	6.00	C	
	3	CE309	Soil mechanics II		English	2	1	2				3	78	72	150	6.00	C	
	4	CE310	Reinforced concrete II		English	2	1			2		3	78	72	150	6.00	C	
	5	CE311	Highway engineering II		English	2		2				3	63	62	125	5.00	C	
	6	CE312	Hydraulic structures		English	2	1					3	48	52	100	4.00	B	
					Total	12	5	4	0	4	0	18	393	357	750	30.00		
Level	Semester	No.	Module Code	Module Name in English	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
UGIV	Seven	1	CE401	Design of reinforced concrete structures I	English	2	1			2		3	78	97	175	7.00	C	CE304, CE310
		2	CE402	Foundation engineering I	English	2	1			2		3	78	97	175	7.00	C	
		3	CE403	Steel design	English	2	1			2		3	78	72	150	6.00	C	
		4	CE404	Traffic engineering	English	2	1			2		3	78	72	150	6.00	C	
		5	CE405	Engineering project I	English				2			2	32	18	50	2.00	C	
		6	CE406	Computer applications	English				2			3	33	17	50	2.00	B	
					Total	8	4	0	4	8	0	17	377	373	750	30		
	Semester	No.	Module Code	Module Name in English	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
	Eight	1	CE407	Design of reinforced concrete structures II	English	2	1			2		3	78	97	175	7.00	C	
		2	CE408	Foundation engineering II	English	2	1			2		3	78	97	175	7.00	C	
		3	CE409	Structural drawing and estimation	English	2			2			3	63	87	150	6.00	C	
		4	CE410	Environmental and sanitary engineering	English	2	1			2		3	78	72	150	6.00	C	
		5	CE411	Engineering project II	English				2			2	32	18	50	2.00	C	
		6	CE412	English language IV	English	2						3	33	17	50	2.00	S	
					Total	10	3	0	4	6	0	17	362	388	750	30		
					Total	100	16	30	10	40	0	154	3094	2906	6000	240.0		Must be 240 ECTS

Note: The student should complete 4 weeks of Summer Internships to fulfil the requirements of the Bachelor's degree										
Structured SWL (hr/w) type	CL	Class Lecture	Module type	B	Basic learning activities	SWL:		Student Workload		
	Lab	Laboratory		C	Core learning activity	SSWL:		Structured SWL		
	Pr	Practical Training		S	Suport or related learning activity	USSWL:		Unstructured SWL		
	Tut	Tutorial		E	Elective learning activity					
	Lect	Online lecture	Note: Columns O, Q and R are progmaed, protected and should not be edited							
	Semn	Seminar								



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