



Republic of Iraq - Ministry of Higher Education and Scientific Research
Al-Karkh University of Science
Bachelor's degree of Science in Civil Engineering
Four years (Eight semesters) - 240 ECTS credits - 1 ECTS = 25 hr
Suggested Program Curriculum

جمهورية العراق - وزارة التعليم العالي والبحث العلمي
جامعة الكرخ للعلوم
بكالوريوس علوم في الهندسة المدنية
أربع سنوات (ثمانية فصول دراسية) - 240 وحدة اوروبية - كل وحدة اوروبية = 25 ساعة
المناهج الدراسية المقترح



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)
One		1	UREQ 110	Workshop		Arabic				3	0	3	48	27	75	3.00	S		
		2	UREQ 111	Computer Fundamentals and Programming		English	2		2			3	63	12	75	3.00	B		
		3	MATH 110	Mathematics		English	4					3	63	62	125	5.00	B		
		4	CREQ 110	Engineering Drawing		English	2		3			3	78	47	125	5.00	C		
		5	UREQ 112	Human Rights and Democracy		Arabic	2				0	3	33	17	50	2.00	B		
		6	PHYS 110	Physics		English	2		2			3	63	62	125	5.00	B		
		7	CIER 110	Engineering Mechanics		English	3				1	3	63	62	125	5.00	C		
		8	UREQ 113	Arabic Language		Arabic	2					3	33	17	50	2.00	B		
						Total	17	0	7	3	1	0	24	444	306	750	30		
UGI	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	
	Two	1	CREQ 120	Chemistry		English	2		2			3	63	37	100	4.00	B		
		2	MATH 120	Fundamentals of Engineering Mathematics		English	3				1	3	63	62	125	5.00	B	MATH 110	
		3	CREQ 121	Engineering Graphics		English	2		2			3	63	62	125	5.00	C	CREQ 110	
		4	CREQ 122	Geology		English	2		2			3	63	62	125	5.00	C		
		5	CIER 120	Fundamentals of Static and Dynamic		English	3				1	3	63	62	125	5.00	C	CIER 110	
		6	CIER 121	Material Technology		English	2		2			3	63	37	100	4.00	C		
		7	UREQ 120	English Language		English	2					3	33	17	50	2.00	B		
					Total	16	0	8	0	2	0	21	411	339	750	30			
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	
	Three	1	UREQ 210	Computer 2		English	2		2			3	63	12	75	3.00	B	UREQ 111	
		2	MATH 210	Engineering Mathematics		English	3				1	3	63	62	125	5.00	B	MATH 120	
		3	CIER 210	Mechanics of Materials		English	3				1	3	63	62	125	5.00	C	CIER 120	
		4	CIER 211	Concrete Technology		English	3		2			3	78	47	125	5.00	C		
		5	CIER 212	Fluid Mechanics I		English	2		2			3	63	62	125	5.00	C		
		6	UREQ 211	Crimes of the Defunct Baath Party		Arabic	2					3	33	17	50	2.00	B		
		7	CIER 213	Surveying		English	2		2			3	63	62	125	5.00	C		
					Total	17	0	8	0	2	21	426	324	750	30				
UGII	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	
	Four	1	MATH 220	Analytic Mathematics		English	3				1	3	63	62	125	5.00	B	MATH 210	
		2	CREQ 220	Engineering Statistics		English	3					3	48	77	125	5.00	B		
		3	CIER 220	Building Construction		English	2				1	3	48	27	75	3.00	C		
		4	CIER 221	Mechanics of Solid		English	3				1	3	63	62	125	5.00	C	CIER 210	
		5	CIER 222	Geomatics		English	2		2			3	63	37	100	4.00	C	CIER 213	
		6	CIER 223	Fluid Mechanics II		English	3		2			3	78	22	100	4.00	C	CIER 212	
		7	UREQ 220	New Headway Plus		English	2					3	33	17	50	2.00	B	UREQ 120	
8	UREQ 221	Arabic Language II		Arabic	2					3	33	17	50	2.00	B				
					Total	20	0	4	0	3	0	24	429	321	750	30			
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	
	Five	1	CIER 310	Soil Mechanics I		English	3		2			3	78	22	100	4.00	C		
		2	CIER 311	Engineering and Numerical Analysis		English	3				1	3	93	57	150	6.00	B	MATH 220	
		3	CIER 312	Theory of Structures I		English	3				1	3	63	37	100	4.00	C	CIER 221	
		4	CIER 313	Reinforced Concrete Design I		English	3				1	3	63	37	100	4.00	C	CIER 221	
		5	CIER 314	Sanitary Engineering I		English	2		2			3	63	37	100	4.00	C		
6	CIER 315	Engineering Management & Economics		English	2					3	33	67	100	4.00	S				

