

Curriculum for the Department of Civil Engineering (Bologna Process)

(2021_2022)

FIRST YEAR

1 st Semester										
No	Code	Module Title	CL (hr/w)	L (hr/w)	P (hr/w)	Clin. (hr/w)	T (hr/w)	ECTS	Units	Type
1	CUE43002	Engineering Mechanics I	3				1	4	3	C
2	CUE43003	Engineering drawing & Descriptive Geometry I		4				4	2	S
3	CUE43001	Engineering Geology	2					2	2	S
4	CUE61001	General English	2		6			5	5	B
	CUE68001	Calculus I	2				2	5	3	B
7	CUE82001	Academic Debates	3					5	3	B
	CUE31001	Computer Skills			4			5	2	B
TOTAL			12	4	10		3	30		

2 nd Semester										
No.	Code	Module Title	CL (hr/w)	L (hr/w)	P (hr/w)	Clin. (hr/w)	T (hr/w)	ECTS	Units	Type
1	CUE43012	Engineering Mechanics II	3				1	5	3	C
2	CUE43011	Construction Materials & Testing	2	2				5	3	C
3	CUE43013	Engineering drawing & Descriptive Geometry II		4				4	2	S
5	CUE61002	Academic English	2		6			5	4	B
6	CUE66001	Kurdistan Studies	3					5	3	B
	CUE66002	Kurdish Language								
7	CUE31002	Academic Computing			4			5	2	B
	CUE68002	Calculus II	2				2	4	3	B
TOTAL			12	6	8		3	33		



SECOND YEAR

3 rd Semester										
No.	Code	Module Title	CL (hr/w)	L (hr/w)	P (hr/w)	Clin. (hr/w)	T (hr/w)	ECTS	Units	Type
1	CUE43024	Mechanics of Materials I	3				1	5	3	C
3	CUE43023	Surveying I	2		2			5	3	C
4	CUE43026	Concrete Technology I	2	2				4	3	C
	CUE43021	Building Construction	4					4	4	C
5	CUE43022	Fluid Mechanics I	2	2				4	3	S
6	CUE43025	Environmental Engineering	2				1	4	2	S
7	CUE43027	Calculus and Engineering Statistics	2				1	4	2	B
TOTAL			17	4	2		3	30		

4 th Semester										
No.	Code	Module Title	CL (hr/w)	L (hr/w)	P (hr/w)	Clin. (hr/w)	T (hr/w)	ECTS	Units	Type
1	CUE43034	Mechanics of Materials II	3				1	5	3	C
4	CUE43035	Hydrology	3				1	5	3	C
2	CUE43033	Surveying II	2		2			4	3	C
3	CUE43036	Concrete Technology II	2	2				4	3	C
5	CUE43032	Fluid Mechanics II	2	2				4	3	S
	CUE43037	Computer Application -AutoCad	1		3			4	2	S
7	CUE43031	Communication Skills	2					4	2	S
TOTAL			15	4	5		2	30		

THIRD YEAR

5 th Semester										
No.	Code	Module Title	CL (hr/w)	L (hr/w)	P (hr/w)	Clin. (hr/w)	T (hr/w)	ECTS	Units	Type
1	CUE43041	Structural Analysis I	3				1	5	3	C
2	CUE43042	Reinforced Concrete Design I	3				1	5	3	C
3	CUE43045	Geotechnical Engineering Principles	2	2				5	3	C
6	CUE43046	Water Resources Engineering	3				1	4	3	C
4	CUE43044	Highway Engineering I- Geometric Design	2	2				4	3	C
7	CUE43047	Construction Management & Economics I	2					4	2	C
	CUE43043	Engineering Analysis	2				1	3	2	C
TOTAL			17	4			4	30		

THIRD YEAR

6 th Semester										
No.	Code	Module Title	CL (hr/w)	L (hr/w)	P (hr/w)	Clin. (hr/w)	T (hr/w)	ECTS	Units	Type
1	CUE43051	Structural Analysis II	3				1	5	3	C
2	CUE43052	Reinforced Concrete Design II	3				1	5	3	C
3	CUE43055	Geotechnical Engineering	2	2				5	3	C
6	CUE43056	Water Supply and Sewerage Engineering	3				1	4	3	C
4	CUE43054	Highway Engineering II- Materials	2	2				4	3	C
	CUE43053	Construction Management Economics II	2					3	2	C
7	CUE43057	Numerical Methods	2					3	2	C
8	CUE43058	Research Methods	2				1	2	2	S
TOTAL			19	4			3	31		

FOURTH YEAR

7 th Semester										
No.	Code	Module Title	CL (hr/w)	L (hr/w)	P (hr/w)	Clin. (hr/w)	T (hr/w)	ECTS	Units	Type
1	CUE43061	Structural Concrete Design	3				1	6	3	C
2	CUE43062	Structural Steel Design I	3				1	5	3	C
3	CUE43063	Foundation Engineering I	3				1	5	3	C
	CUE43066	Elective	3				1	5	3	C
4	CUE43064	Construction Methods and Estimation	3				1	4	3	C
7	CUE43065	Civil Engineering Drawing			4			4	2	C
	CUE43080	Graduation Project			2			4	1	C
TOTAL			15		6		5	32		

8 th Semester										
No.	Code	Module Title	CL (hr/w)	L (hr/w)	P (hr/w)	Clin. (hr/w)	T (hr/w)	ECTS	Units	Type
1	CUE43073	Structural Steel Design II	3				1	5	3	C
2	CUE43074	Foundation Engineering II	3				1	5	3	C
3	CUE43075	Computer Application-Civil Engineering			4			5	2	C
	CUE43080	Graduation Project			2			5	1	C
4	CUE43071	Traffic Engineering	4					5	4	E
6	CUE43072	Hydraulic Structures	3				1	5	3	E
TOTAL			13		6		3	30		

Total CL (Class Lecture) =	hrs.	Total ECTS of C (Core) =	(65.0%)
Total L (Laboratory) =	hrs.	Total ECTS of S (Support) =	(13.3%)
Total P (Practical Training) =	hrs.	Total ECTS of B (Basic) =	(17.5%)
Total Clin. (Clinical) =	hrs.	Total ECTS of E (Elective) =	(4.2%)
Total T (Tutorial) =	hrs.	Total ECTS =	240
Total Hours =	hrs.	Total Units =	