

اقليم كوردستان - العراق  
جامعة جيهان - أربيل  
كلية الهندسة  
قسم الهندسة المدنية



Kurdistan Region –Iraq  
Cihan University  
College of Engineering  
Department of Civil Engineering

ههريمى كوردستان- عيراق  
زانكوى جيهان - ههولير  
كوليزى ئەندازيارى  
بهشى شارستانى

# بهشى ئەندازيارى شارستانى قسم الهندسة المدنية

## Civil Engineering Department

### Course Program and Description

2018 - 2019

# Department of Civil Engineering

## Course Program

### First Year/ First Semester

#	Code	Course Title	Theoretical hours	Practical Hours	Units
1	CIV111	Engineering Mechanics I	3	1	3
2	CIV112	Mathematics I	3	1	3
3	CIV113	Engineering Drawing and Descriptive Geometry I	1	4	3
4	CIV114	Building Materials and Testing I	2	2	3
5	CIV115	Engineering Geology I	2	-	2
6	UCSS110	Computer Skills I	-	4	2
7	UENG110	General English I	2	6	5
8	UACD110	Academic Debate I	1	1	2
9	UKUR110	Kudology I	2	-	2
10	UKUL100	Kurdish Language	2	-	2
Total hours and Units			<b>16</b>	<b>19</b>	<b>25</b>

### First Year/ Second Semester

#	Code	Course Title	Theoretical hours	Practical Hours	Units
1	CIV121	Engineering Mechanics II	3	1	3
2	CIV122	Mathematics II	3	1	3
3	CIV123	Engineering Drawing and Descriptive Geometry II	1	3	2
4	CIV124	Building Materials and Testing II	2	2	3
5	CIV125	Engineering Geology II	2	-	2
6	UCSS120	Computer Skills II	-	4	2
7	UENG120	General English II	2	4	4
8	UACD120	Academic Debate II	1	1	2
9	UKUR120	Kurdology II	2	-	2
10	UKUL100	Kurdish Language	2	-	2
Total hours and Units			<b>16</b>	<b>16</b>	<b>23</b>

### Second Year/ First Semester

#	Code	Course Title	Theoretical hours	Practical Hours	Units
1	CIV211	Surveying I	2	2	3
2	CIV212	Strength of Materials I	3	1	3
3	CIV213	Mathematics III	2	1	2
4	CIV214	Fluid Mechanics I	1	2	2
5	CIV215	Concrete Technology I	1	3	2
6	CIV216	Building Construction I	2	1	2
7	CIV217	Environmental Engineering I	2	1	2
8	CIV218	Auto-Cad	1	3	2
9	CIV219	Technical English I	1	2	2
Total hours and Units			<b>15</b>	<b>16</b>	<b>20</b>

### Second Year/ Second Semester

#	Code	Course Title	Theoretical hours	Practical Hours	Units
1	CIV221	Surveying II	2	2	3
2	CIV222	Strength of Materials II	3	1	3
3	CIV223	Engineering Statistics	2	-	2
4	CIV224	Fluid Mechanics II	1	2	2
5	CIV225	Concrete Technology II	1	3	2
6	CIV226	Building Construction II	2	1	2
7	CIV227	Environmental Engineering II	2	1	2
8	CIV228	Revit	1	3	2
9	CIV229	Technical English II	1	2	2
Total hours and Units			<b>15</b>	<b>15</b>	<b>20</b>

### Third Year/ First Semester

#	Code	Course Title	Theoretical hours	Practical Hours	Units
1	CIV311	Structural Analysis I	3	1	3
2	CIV312	Reinforced Concrete I	3	1	3
3	CIV313	Soil Mechanics I	2	2	3
4	CIV314	Highway Engineering I	2	2	3
5	CIV315	Engineering Analysis I	3	-	3
6	CIV316	Irrigation and Drainage I	3	-	3
7	CIV317	Engineering Management & Economics I	2	-	2
8	CIV318	Hydrology I	2	-	2
Total hours and Units			<b>20</b>	<b>6</b>	<b>22</b>

### Third Year/ Second Semester

#	Code	Course Title	Theoretical hours	Practical Hours	Units
1	CIV4321	Structural Analysis II	3	1	3
2	CIV322	Reinforced Concrete II	3	1	3
3	CIV323	Soil Mechanics II	2	2	3
4	CIV324	Highway Engineering II	2	2	3
5	CIV325	Engineering Analysis II	3	-	3
6	CIV326	Irrigation and Drainage II	3	-	3
7	CIV327	Engineering Management & Economics II	2	-	2
8	CIV328	Hydrology II	2	-	2
Total hours and Units			<b>20</b>	<b>5</b>	<b>22</b>

**four-week training will be given in summer.**

### Fourth Year/ First Semester

#	Code	Course Title	Theoretical hours	Practical Hours	Units
1	CIV411	Reinforced Concrete Structural Design I	3	1	3
2	CIV412	Foundation Engineering I	3	1	3
3	CIV413	Steel Design I	3	1	3
4	CIV414	Water Supply	2	1	2
5	CIV415	Hydraulic Structures I	2	1	2
6	CIV416	Specifications and Quantity Surveying I	2	-	2
7	CIV417	Engineering Projects	2	1	2
8	CIV418	Civil Drawing I	1	2	2
9	CIV419	Traffic Engineering	2	-	2
Total hours and Units			<b>20</b>	<b>8</b>	<b>21</b>

### Fourth Year/ Second Semester

#	Code	Course Title	Theoretical hours	Practical Hours	Units
1	CIV421	Reinforced Concrete Structural Design II	3	1	3
2	CIV422	Foundation Engineering II	3	1	3
3	CIV423	Steel Design II	3	1	3
4	CIV424	Sewerage & Sanitary	2	1	2
5	CIV425	Hydraulic Structures II	2	1	2
6	CIV426	Specifications and Quantity Surveying II	2	-	2
7	CIV427	Graduation Project	2	2	3
9	CIV428	Civil Drawing II	1	2	2
Total hours and Units			<b>18</b>	<b>9</b>	<b>20</b>

**Total number of theoretical hours**=16+16+15+15+20+20+20+18=**140hrs**

**Total number of Practical hours** =19+16+16+15+6+5+8+9 = **94hrs**

**Total number of credits** = 25+23+20+20+22+22+21+20 = **173 credits**