



Study Plan For Civil Engineering Department 2017

First Semester Courses							
No	Course Name	Units	Designation	Weekly Hours			Prerequisite
				Theory	Tut.	Lab.	
1	Mathematic I	4	Math 101	3	1	-	Nil
2	Chemistry I	3	Chem 101	3	1	-	Nil
3	Chemistry Lab I	1	Chem 103	-	-	2	Chem 101
4	Physics I	3	Phy 101	3	1	-	Nil
5	Physics Lab I	1	Phy 103	-	-	2	Phy 101
6	English Language I	2	Eng 101	2	1	-	Nil
7	Arabic Language I	2	Arb 101	2	1	-	Nil
8	Political Culture	2	Pol 101	2	-	-	Nil
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Second Semester Courses							
No	Course Name	Units	Designation	Weekly Hours			Prerequisite
				Theory	Tut.	Lab.	
1	Mathematic II	4	Math 102	3	1	-	Math 101
2	Chemistry II	3	Chem 102	3	1	-	Chem 101
3	Chemistry Lab II	1	Chem 104	-	-	2	Chem 102
4	Physics II	3	Phy 102	3	1	-	Phy 101
5	Physics Lab II	1	Phy 104	-	-	2	Phy 102
6	English Language II	2	Eng 102	2	1	-	Eng 101
7	Arabic Language II	2	Arb 102	2	1	-	Arb 101
8	Engineering Drawing I	2	Ge 101	1	-	2	Nil
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Third Semester Courses							
No	Course Name	Units	Designation	Weekly Hours			Prerequisite
				Theory	Tut.	Lab.	
1	Differential Equations	3	Math 202	3	1	-	Math 102
2	Intro. to computer and Programming	3	Comp 101	2	-	2	Nil
3	Construction materials	3	CE 210	3	1	-	Nil
4	Construction materials Lab	1	CE 211	-	-	2	CE 210
5	Workshop Engineering	2	Ge103	2		1	Nil
6	Engineering Mechanic I	3	Ge 140	3	1	-	Nil
7	Survey I	3	CE 212	3	-	2	Nil
8	Technical Writing and Oral Presentation	2	TW 307	2	1	-	Eng 102
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Forth Semester Courses							
No	Course Name	Units	Designation	Weekly Hours			Prerequisite
				Theory	Tut.	Lab.	
1	Linear Algebra	3	Math 203	3	1	-	Math 101& Math 102
2	Engineering Mechanic II	3	GE 141	3	1	-	GE 140 & Phy 102
3	Concrete Technology	3	CE 220	3	1	-	CE 210
4	Concrete Technology Lab	1	CE 221	-	-	2	CE 220
5	Strength of materials	3	CE 223	2	1	-	GE 102 & Math 202
6	Geology for civil Eng.	2	CE 224	2	-	1	Nil
7	Civil Eng. Drawing	2	CE 225	1	-	2	GE 101
8	Survey II	3	CE 226	3	-	2	CE 212
		20					

Fifth Semester Courses							
No	Course Name	Units	Designation	Weekly Hours			Prerequisite
				Theory	Tut.	Lab.	
1	Fundamental of Electrical Eng.	3	EE 301	2	1	1	Math 102 & Phy 102
2	Insulation of building	2	CE 310	2	1	-	CE 211
3	Fluid mechanics	3	CE 312	3	-	2	GE 140 & GE 141
4	Construction and Architecture	3	CE 313	3	1	-	CE 225
5	Computer Aided Design	2	CE 314	1	-	2	Comp 101& CE 225
6	Structural analysis I	3	CE 315	3	1	-	CE 223
7	Soil Mechanics	3	CE 316	3	1	-	CE 224
8	Soil Mechanics Lab	1	CE 317	-	-	2	CE 316
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Sixth Semester Courses								
No	Course Name	Units	Designation	Weekly Hours			Prerequisite	
				Theory	Tut.	Lab.		
1	Structural analysis II	3	CE 321	3	1	-	CE 315	
2	Rein. Concrete design I	3	CE 322	3	1	-	CE 223	
3	Ground Water Hydrology	3	CE 323	3	1	-	CE 312	
4	Highway Engineering	3	CE 324	3	1	-	CE 226	
5	Environmental Engineering	3	CE 325	3	1	-	CE 316	
6	Constructing Engineering Management	3	CE 326	3	1	-	Math 203	
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Seventh Semester Courses								
No	Course Name	Units	Designation	Weekly Hours			Prerequisite	
				Theory	Tut.	Lab.		
1	Rein. Concrete design II	3	CE 411	3	1	-	CE 322	
2	Design of steel structure	3	CE 412	3	1	-	CE 321	
3	Irrigation and drainage	3	CE 413	3	1	-	CE 325	
4	Traffic and transportation Eng.	3	CE 414	3	1	-	CE 324	
5	Foundation Eng. I	3	CE 415	3	1	-	CE 316	
6	Sanitary Engineering	2	CE 416	2	-	-	CE 312	
7	Project methods & proposal	2	CE 417	2	1	-	105 Units, AGPA \geq 2	
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Eight Semester Courses								
No	Course Name	Units	Designation	Weekly Hours			Prerequisite	
				Theory	Tut.	Lab.		
1	Rein. Concrete design III	3	CE 421	3	1	-	CE 411	
2	Foundation Eng. II	3	CE 422	3	1	-	CE 415	
3	Special Topic	3	CE 423	3	1	-	Fourth level	
4	Professional practice in civil engineering	3	CE 424	3	1	1	Fourth level	
5	Specification and contract	2	CE 425	2	-	-	CE 326	
6	Graduation Project	4	CE 426	2	1	2	Dep. Appro	
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Total Units = 151

Total Courses = 59