

# Bsc Civil Engineering - Scheme of Studies

Semester-I		Cr. Hrs	
Code	Course Title	Th	L
CE 103	Civil Engineering Materials	2	1
EM 102	Basic Electro-Mechanical Engr.	2	1
CE 105	Engineering Drawing	1	2
HU 103	English Language Skills	2	0
MA 104	Applied Calculus (Math-I)	3	0
HU 104	Islamiat & Pakistan Studies	3	0
<b>Total</b>		<b>17</b>	

Semester-III		Cr. Hrs	
Code	Course Title	Th	L
CE 205	Civil Engr. Drawing & Graphics	1	2
CE 201	Surveying-II	2	1
CE 212	Mechanics of Solids-I	2	1
MA 201	Probability & Statistics (Math-III)	3	0
HU 204	Business Communication	2	0
HU 206	Engineering Economics	2	0
<b>Total</b>		<b>16</b>	

Semester-V		Cr. Hrs	
Code	Course Title	Th	L
CE 331	Fluid Mechanics-II	3	1
HU 307	Entrepreneurship & Innovation	2	0
CE 311	Structural Analysis-II	3	0
CE 306	Quantity Survey & Estimation	2	1
CE 321	Geotechnical & Foundation Engr.	3	1
HU 308	Professional Ethics	2	0
<b>Total</b>		<b>18</b>	

Semester-VII		Cr. Hrs	
Code	Course Title	Th	L
CE 411	Plain & Reinforced Concrete-II	3	1
CE 441	Environmental Engineering-II	3	1
CE 412	Steel Structures	3	0
CE 431	Hydraulics Engineering	2	1
CE 499	Civil Engineering Project	0	3
<b>Total</b>		<b>17</b>	

Semester-II		Cr. Hrs	
Code	Course Title	Th	L
CE 101	Surveying-I	2	2
CE 106	Computer Fundamentals & Prog.	1	2
CE 108	Engineering Geology	3	0
CE 102	Engineering Mechanics	3	1
MA 105	Differential Equations (Math-II)	3	0
<b>Total</b>		<b>17</b>	

Semester-IV		Cr. Hrs	
Code	Course Title	Th	L
CE 215	Construction Engineering	2	0
CE 213	Structural Analysis-I	3	0
CE 221	Soil Mechanics	3	1
CE 202	Geo-informatics	1	1
MA 202	Numerical Analysis (Math-IV)	3	0
CE 231	Fluid Mechanics-I	3	1
<b>Total</b>		<b>18</b>	

Semester-VI		Cr. Hrs	
Code	Course Title	Th	L
CE 312	Mechanics of Solids-II	2	1
CE 314	Plain & Reinforced Concrete-I	3	1
CE 341	Environmental Engineering-I	3	1
CE 351	Transportation Planning & Engr.	3	0
CE 332	Hydrology & Water Res. Mgmt.	2	1
HU 305	Tech. Report Writing & Presentation	0	1
<b>Total</b>		<b>18</b>	

Semester-VIII		Cr. Hrs	
Code	Course Title	Th	L
CE 414	Design of Structures	2	1
CE 451	Highway & Traffic Engineering	3	1
CE 432	Irrigation Engineering	2	0
CE 413	Construction Management	2	1
CE 499	Civil Engineering Project	0	3
<b>Total</b>		<b>15</b>	

**Total Credit Hours : 136**

1 Cr. Hr. of theory (Th) = 1 contact Hour per week

1 Cr. Hr. of lab (L) = 3 contact Hours per week