

Scheme of Studies for Bachelor of Civil Engineering Curriculum					
1 st Year First Semester					
S. No.	Course Code	Course Title	Credit Hours		Total Cr. Hrs.
			Th	Lab	
1	CIV101	Civil Engineering Materials	2	1	3
2	CIV102	Engineering Drawing	1	1	2
3	MAT101	Quantitative Reasoning-I	2	0	2
4	GED101	Ideology & Constitution of Pakistan	2	0	2
5	ENG101	Functional English	3	0	3
6	CSC102	Applications of Information and Communication Technologies (ICT)	2	1	3
7	GED106	Understanding of Holy Quran I	0	1	1
		Total	12	4	16
Second Semester					
S. No.	Course Code	Course Title	Credit Hours		Total Cr. Hrs.
			Th	Lab	
1	CIV103	Surveying-I	2	1	3
2	MAT112	Quantitative Reasoning-II	3	0	3
3	MDE101	Applied Physics	3	1	4
4	ENG102	Communication and Presentation Skills	3	0	3
5	GED102/ GED103	Islamic Studies/Ethics	2	0	2
6	MDE102	Engineering Geology	2	0	2
7	GED107	Understanding of Holy Quran II	0	1	1
		Total	15	3	18
2 nd Year Third Semester					
S. No.	Course Code	Course Title	Credit Hours		Total Cr. Hrs.
			Th	Lab	
1	CIV201	Mechanics of Solids-I	2	1	3
2	CIV212	Construction Engineering	2	0	2
3	CIV213	Surveying-II	2	1	3
4	MAT211	Applied Calculus	3	0	3
5	CIS211	Civil Engineering Drawing	1	1	2

6	CIS212	Computer Programing	1	1	2
7	GED105	Pakistan Studies	2	0	2
		Total	13	4	17

Fourth Semester

S. No.	Course Code	Course Title	Credit Hours		Total Cr. Hrs.
			Th	Lab	
1	CIV204	Fluid Mechanics-I	2	1	3
2	CIV225	Mechanics of Solids-II	2	0	2
3	CIV206	Structural Analysis-I	2	0	2
4	CIV207	Soil Mechanics	2	1	3
5	CIV218	Quantity Surveying & Cost Estimation	2	1	3
6	MAT214	Applied Mathematics	3	0	3
7	GED205	Sociology for Engineers	2	0	2
8	MDE201	Surveying Camp	-	-	***NC
		Total	15	3	18

3rd Year Fifth Semester

S. No.	Course Code	Course Title	Credit Hours		Total Cr. Hrs.
			Th	Lab	
1	CIV311	Fluid Mechanics-II	2	1	3
2	CIV312	Structural Analysis-II	3	0	3
3	CIV313	Reinforced Concrete Design-I	3	1	4
4	CIV304	Transportation Engineering	2	0	2
5	CIV315	Environmental Engineering-I	2	1	3
6	MAT311	Numerical Analysis	3	0	3
		Total	15	3	18

Sixth Semester

S. No.	Course Code	Course Title	Credit Hours		Total Cr. Hrs.
			Th	Lab	
1	CIV326	Reinforced Concrete Design-II	3	1	4
2	CIV317	Engineering Hydrology	2	1	3
3	CIV318	Highway and Traffic Engineering	2	0	2
4	CIV329	Geotechnical Engineering	3	1	4
5	GED204	Civics and Community Engagement	2	0	2
6	ENG111	Expository Writing	3	0	3

7	INT301	Internship (6-8 Weeks)	-	-	*NC
8	GED301	Community Service	-	-	*NC
		Total	15	3	18

**4th Year
Seventh Semester**

S. No.	Course Code	Course Title	Credit Hours		Total Cr. Hrs.
			Th	Lab	
1	CIV421	FYDP-I	0	3	3
2	CIV422	Foundation Engineering	2	0	2
3	CIV423	Pavement Analysis and Design	2	1	3
4	CIV424	Hydraulics Engineering	2	0	2
5	CIV425	Environmental Engineering-II	2	0	2
6	MGT402	Construction Planning & Management	3	0	3
7	MDE401	Modelling and Simulation	1	1	2
		Total	12	5	17

Eight Semester

S. No.	Course Code	Course Title	Credit Hours		Total Cr. Hrs.
			Th	Lab	
1	CIV426	FYDP-II	0	3	3
2	CIV427	Irrigation & Drainage Engineering	3	1	4
3	CIV418	Geoinformatics	1	1	2
4	CIV419	Steel Structures	2	0	2
5	MDE402	Occupational Health and Safety	1	0	1
6	MDE403	Architecture and Town Planning	2	0	2
7	GED401	Entrepreneurship	2	0	2
		Total	11	5	16