

B.SC. CIVIL ENGINEERING CURRICULUM SESSION 2021 - ONWARDS

YEAR-1							
1 st Semester				2 nd Semester			
Course Code	Subject	Credit Hours		Course Code	Subject	Credit Hours	
		Th	Pr			Th	Pr
CE-103	Construction Materials	2	1	CE-101	Elementary Surveying	3	1
CE-105	Civil Engineering Drawing	1	2	CE-102	Computer Programming	2	1
Phy-122	Basic Mechanics	2	1	HU-101	Communication Skills	0	1
MA-111	Applied Mathematics-I	3	0	IS/Hu-101	Islamic & Pak Studies/ Ethics	3	0
EE-198	Basic Electrical Technology	1	1	MA-112	Applied Mathematics-II	3	0
MinE-170	Basic Engineering Geology	2	0	ME-119	Basic Mechanical Technology	1	0
QT-101	Translation of the Holy Quran-I	1	0	ME-100L	Workshop Practice	0	1

YEAR-2							
3 rd Semester				4 th Semester			
Course Code	Subject	Credit Hours		Course Code	Subject	Credit Hours	
		Th	Pr			Th	Pr
CE-201	Surveying and GIS-RS Applications	3	1	CE-205	Civil Engineering Construction & Graphics	2	1
CE-212	Mechanics of Materials	3	1	CE-207	Engineering Economy and Construction Management	3	1
CE-231	Fluid Mechanics-I	3	1	CE-211	Elementary Structural Analysis	3	0
IS/HU-201	Islamic & Pak Studies/Ethics	3	0	CE-221	Geotechnical Engineering-I	3	1
MA-240	Numerical Analysis	2	1	ATP-201	Introduction to Architecture and Town Planning	2	0
				QT-201	Translation of the Holy Quran-II	1	0

YEAR-3							
5 th Semester				6 th Semester			
Course Code	Subject	Credit Hours		Course Code	Subject	Credit Hours	
		Th	Pr			Th	Pr
Mgt-317	Project Management in Engineering	2	0	CE-312	Structural Mechanics	3	1
CE-311	Structural Analysis	2	0	CE-314	Plain & Reinforced Concrete-I	3	1
CE-313	Steel Structures	3	1	CE-331	Fluid Mechanics-II	3	1
CE-321	Geotechnical Engineering-II	3	1	CE-305	Hazards and Disaster Management	2	0
CE-332	Hydrology and Water Resources Management	2	1	MA-356	Probability and Statistics in Engineering	2	0
HU-300	Technical Report Writing	0	1	Mgt-319	Entrepreneurship for Engineers	1	0
QT-301	Translation of the Holy Quran-III	1	0	CE-306	Professional Ethics	1	0

YEAR-4							
7 th Semester				8 th Semester			
Course Code	Subject	Credit Hours		Course Code	Subject	Credit Hours	
		Th	Pr			Th	Pr
CE-412	Structural Engineering	3	1	CE-431	Irrigation Engineering	3	1
CE-411	Plain & Reinforced Concrete-II	3	1	CE-413	Design of Structures	2	1
CE-421	Transportation Engineering	3	1	CE-423	Pavement & Foundation Engineering	3	0
CE-434	Hydraulic Engineering	3	1	ENE-440	Environmental Engineering	3	1
CE-499	Project	0	3	QT-401	Translation of the Holy Quran-IV	1	0
				CE-499	Project	0	3