

Quaid-e-Azam College of Engineering and Technology, Sahiwal

Course Offering Report

Course Offering for: B.Sc Civil Engineering 2017 (Fall)

Department: Civil Engineering (QETS)

Printed Date: 06-Jan-2021

Semester 1				
Course No	Title	Credit Hrs TH + PR	Knowledge Area	Pre- requisite Courses (if any)
CE-103	Construction Material	3.0+0	Engineering Foundation	
CE-105	Civil Engineering Drawing	1.0+0	Engineering Foundation	
CE-105L	Civil Engineering Drawing	0+2.0	Engineering Foundation	
ME-119	Basic Mechanical Technology	1.0+0	Engineering Foundation	
MinE-170	Basic Engineering Geology	2.0+0	Engineering Foundation	
MA-111	Applied Mathematics-I	3.0+0	Natural Sciences	
HU-101L	Communication Skills	0+1.0	Humanities	
EE-198	Basic Electrical Technology	1.0+1.0	Engineering Foundation	
Total		15.0		

Semester 2				
Course No	Title	Credit Hrs TH + PR	Knowledge Area	Pre- requisite Courses (if any)
CE-101	Elementary Surveying	3.0+1.0	Engineering Foundation	
CE-150	Computer Programming	2.0+1.0	Computing	
MA-112	Applied Mathematics-II	3.0+0	Natural Sciences	
IS-101	Islamic & Pakistan Studies-I	3.0+0	Humanities	
ME-100L	Workshop Practice	0+1.0	Engineering Foundation	
PHY-122	Basic Mechanics	2.0+1.0	Natural Sciences	
Total		17.0		

Semester 3				
Course No	Title	Credit Hrs TH + PR	Knowledge Area	Pre- requisite Courses (if any)

CE-201	Surveying and GIS-RS Applications	3.0+0	Engineering Foundation	
CE-201L	Surveying and GIS-RS Applications	0+1.0	Engineering Foundation	
CE-206L	Social Sciences	0+1.0	Humanities	
CE-212	Mechanics of Materials	3.0+0	Engineering Foundation	
CE-212L	Mechanics of Materials	0+1.0	Engineering Foundation	1. PHY-122L Basic Mechanics
CE-231	Fluid Mechanics - I	3.0+1.0	Engineering Foundation	
IS-201	Islamic & Pakistan Studies-II	3.0+0	Humanities	
MA-256	Probability and Statistical Processes	2.0+0	Natural Sciences	
Total		18.0		

Semester 4				
Course No	Title	Credit Hrs TH + PR	Knowledge Area	Pre-requisite Courses (if any)
CE-205	Civil Engineering Construction & Graphics	2.0+0	Computing	1. CE-105 Civil Engineering Drawing
CE-205L	Civil Engineering Construction & Graphics	0+1.0	Computing	1. CE-105L Civil Engineering Drawing
CE-207	Engineering Economy & Construction Management	3.0+1.0	Management Sciences	1. CE-105 Civil Engineering Drawing
CE-211	Elementary Structural Analysis	3.0+0	Engineering Foundation	
CE-221	Geotechnical Engineering - I	3.0+1.0	Engineering Foundation	
MA-240	Numerical Analysis	2.0+1.0	Natural Sciences	
Total		17.0		

Semester 5				
Course No	Title	Credit Hrs TH + PR	Knowledge Area	Pre- requisite Courses (if any)

CE-311	Structural Analysis	2.0+0	Major Based Core (Depth)	
CE-321	Geotechnical Engineering - II	3.0+1.0	Management Sciences	
CE-313	Steel Structures	3.0+1.0	Major Based Core (Depth)	
CE-332	Engineering Hydrology	2.0+0	Management Sciences	
CE-332L	Engineering Hydrology	0+1.0	Management Sciences	
MGT-317	Project Management in Engineering	3.0+0	Management Sciences	
Total		16.0		

Semester 6				
Course No	Title	Credit Hrs TH + PR	Knowledge Area	Pre-requisite Courses (if any)
CE-312	Structural Mechanics	3.0+1.0	Major Based Core (Breadth)	1. CE-212 Mechanics of Metarials
CE-314	Plain & Reinforced Concrete - I	3.0+1.0	Major Based Core (Breadth)	1. CE-103 Construction Material 2. CE-212 Mechanics of Metarials
CE-331	Fluid Mechanics - II	3.0+1.0	Major Based Core (Depth)	1. CE-231 Fluid Mechanics - I
CE-315	Hazards and Disaster Management	2.0+0	Management Sciences	
HU-200	Technical Report Writing	3.0+0	Humanities	
Total		17.0		

Semester 7				
Course No	Title	Credit Hrs TH + PR	Knowledge Area	Pre-requisite Courses (if any)
CE-401	Structural Engineering	3.0+0	Major Based Core (Depth)	
CE-401L	Structural Engineering	0+1.0	Major Based Core (Depth)	
CE-411	Plain & Reinforced Concrete - II	3.0+0	Major Based Core (Depth)	
CE-411L	Plain Reinforecd Concrete - II	0+1.0	Major Based Core (Depth)	

CE-421	Transportation Engineering	3.0+1.0	Major Based Core (Breadth)	1. CE-221 Geotechnical Engineering - I
CE-424	Hydraulic Engineering	3.0+1.0	Major Based Core (Depth)	1. CE-231 Fluid Mechanics - I
CE-499	Project-I	0+3.0	Major Based Core (Depth)	
Total		19.0		

Semester 8				
Course No	Title	Credit Hrs TH + PR	Knowledge Area	Pre-requisite Courses (if any)
CE-431	Irrigation Engineering	3.0+1.0	Major Based Core (Breadth)	1. CE-231 Fluid Mechanics - I
CE-422	Design of Structures	2.0+1.0	Major Based Core (Depth)	1. CE-311 Structural Analysis 2. CE-314 Plain & Reinforced Concrete - I
CE-423	Pavement & Foundation Engineering	3.0+0	Major Based Core (Depth)	1. CE-321 Geotechnical Engineering - II 2. CE-321L Geotechnical Engineering - II
EnE-440	Environmental Engineering	3.0+1.0	Major Based Core (Breadth)	
CE-499L	Project-II	0+3.0	Senior Design Project	
Total		17.0		