

MAPPING OF COURSES TO PLOs

Semester No	Course Code	Course Title	PLOs											
			1	2	3	4	5	6	7	8	9	10	11	12
1	CE-103	Construction Materials	✓		✓									
	CE-103L	Construction Materials			✓	✓				✓				
	CE-105	Civil Engineering Drawing	✓							✓		✓		
	CE-105L	Civil Engineering Drawing	✓								✓	✓		
	Phy-122	Basic Mechanics	✓	✓		✓								
	Phy-122L	Basic Mechanics		✓	✓					✓				
	MA-111	Applied Mathematics - I		✓	✓									
	EE-198	Basic Electrical Technology	✓	✓										
	EE-198L	Basic Electrical Technology	✓	✓		✓								✓
	MinE-170	Basic Engineering Geology	✓		✓	✓								
2	CE-101	Elementary Surveying	✓	✓								✓		
	CE-101L	Elementary Surveying	✓								✓	✓		

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	CE-102	Computer Programming	✓		✓									
	CE-102L	Computer Programming			✓		✓							✓
	HU-111	Communication Skills										✓		
	IS/Hu-101	Islamic and Pak Studies/ Ethics	✓							✓				✓
	MA-112	Applied Mathematics - II		✓	✓									
	ME-119	Basic Mechanical Technology	✓	✓	✓					✓				
	ME-100L	Workshop Practice			✓					✓				
3	CE-201	Surveying and GIS-RS Applications	✓	✓	✓		✓					✓		
	CE-201L	Surveying and GIS-RS Applications					✓				✓	✓		
	CE-212	Mechanics of Materials		✓										
	CE-212L	Mechanics of Materials	✓			✓								
	CE-231	Fluid Mechanics I	✓	✓		✓								
	CE-231L	Fluid Mechanics I	✓			✓						✓		

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	MA-240	Numerical Analysis	✓		✓									
	MA-240L	Numerical Analysis	✓		✓		✓							
	IS/Hu-202	Islamic and Pak Studies/ Ethics							✓	✓				✓
4	CE-205	Civil Engineering Construction &	✓		✓				✓					
	CE-205L	Civil Engineering Construction &					✓	✓				✓		
	CE-207	Engineering Economy and Construction						✓					✓	✓
	CE-207L	Engineering Economy and Construction		✓				✓					✓	
	CE-211	Elementary Structural Analysis	✓	✓										
	CE-221	Geotechnical Engineering – I	✓	✓		✓								
	CE-221L	Geotechnical Engineering – I	✓			✓	✓							
	ATP-301	Intr. to Architecture and Town Planning	✓		✓									
5	Mgt-317	Project Management in Engineering											✓	
	CE-311	Structural Analysis	✓	✓			✓							

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	CE-313	Steel Structures	✓		✓									
	CE-313L	Steel Structures	✓		✓							✓		
	CE-321	Geotechnical Engineering – II		✓	✓									✓
	CE-321L	Geotechnical Engineering – II	✓			✓								
	CE-332	Engineering Hydrology	✓	✓						✓	✓			
6	CE-312	Structural Mechanics		✓	✓	✓					✓			
	CE-312L	Structural Mechanics	✓			✓								
	MA-256	Probability and Statistical Processes	✓		✓									
	CE-314	Plain & Reinforced Concrete- I	✓		✓	✓								
	CE-314L	Plain & Reinforced Concrete- I	✓			✓								
	CE-331	Fluid Mechanics – II	✓	✓	✓	✓					✓			
	CE-331L	Fluid Mechanics – II	✓			✓		✓						
	CE-315	Hazards and Disaster Management	✓		✓	✓		✓						

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	CE-306	Professional Ethics							✓		✓			
	Mgt-319	Entrepreneurship for Engineers	✓		✓									
	HU-300	Technical Report Writing										✓		
7	CE-412	Structural Engineering		✓	✓									
	CE-412L	Structural Engineering		✓	✓	✓								
	CE-411	Plain & Reinforced Concrete-II		✓	✓									
	CE-411L	Plain & Reinforced Concrete-II		✓	✓	✓								
	CE-421	Transportation Engineering	✓		✓							✓		
	CE-421L	Transportation Engineering	✓		✓									
	CE-424	Hydraulic Engineering		✓	✓						✓			
	CE-424L	Hydraulic Engineering				✓		✓						✓
	CE-499	Project			✓		✓					✓	✓	✓
8	CE-431	Irrigation Engineering	✓	✓	✓						✓			✓

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	CE-431L	Irrigation Engineering			✓									✓
	CE-413	Design of Structures			✓		✓					✓		
	CE-413L	Design of Structures			✓		✓			✓				
	CE-423	Pavement and Foundation Engineering	✓		✓					✓				
	ENE-440	Environmental Engineering						✓	✓					
	ENE-440L	Environmental Engineering	✓					✓						
	CE-499	Project			✓		✓				✓	✓	✓	✓