

# SCHEME OF STUDIES CIVIL ENGINEERING (Thar Campus)

Batch 2021					
FIRST YEAR ----- SEMESTER SYSTEM					
Course Code	Course Title	Crd Hrs			
		Th	Pr	T	
Civil Engineering (Thar Campus)					
FALL 2021	CE-107 Engineering Drawing-I	1	2	3	
	CE-102 Statics and Dynamics	3	1	4	
	CE-108 Engineering Materials	2	1	3	
	EE-123 Basic Electrical Engineering	2	0	2	
	MT-114 Calculus	3	0	3	
HS-106 Pakistan Studies OR	1	0	1		
HS-127 Pakistan Studies (for Foreigners)					
SPRING 2022	CE-109 Engineering Surveying-I	2	1	3	
	CE-110 Chemistry for Civil Engineers	1	1	2	
	CE-111 Introduction to Computing for Civil Engineers	1	2	3	
	ME-110 Basic Mechanical Engineering	2	0	2	
	HS-111 Functional English	2	0	2	
	MT-221 Linear Algebra & Ordinary Differential Equations	3	0	3	

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		Th	Pr	T	
Civil Engineering (Thar Campus)					
FALL 2022	CE-107 Engineering Drawing-I	1	2	3	
	CE-102 Statics and Dynamics	3	1	4	
	CE-108 Engineering Materials	2	1	3	
	EE-123 Basic Electrical Engineering	2	0	2	
	MT-114 Calculus	3	0	3	
HS-106 Pakistan Studies OR	1	0	1		
HS-127 Pakistan Studies (for Foreigners)					
SPRING 2023	CE-109 Engineering Surveying-I	2	1	3	
	CE-110 Chemistry for Civil Engineers	1	1	2	
	CE-111 Introduction to Computing for Civil Engineers	1	2	3	
	ME-110 Basic Mechanical Engineering	2	0	2	
	HS-111 Functional English	2	0	2	
	MT-221 Linear Algebra & Ordinary Differential Equations	3	0	3	

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		Th	Pr	T	
Civil Engineering (Thar Campus)					
FALL 2023	CE-107 Engineering Drawing-I	1	2	3	
	CE-102 Statics and Dynamics	3	1	4	
	CE-108 Engineering Materials	2	1	3	
	EE-123 Basic Electrical Engineering	2	0	2	
	MT-114 Calculus	3	0	3	
HS-106 Pakistan Studies OR	1	0	1		
HS-127 Pakistan Studies (for Foreigners)					
SPRING 2024	CE-109 Engineering Surveying-I	2	1	3	
	CE-110 Chemistry for Civil Engineers	1	1	2	
	CE-111 Introduction to Computing for Civil Engineers	1	2	3	
	ME-110 Basic Mechanical Engineering	2	0	2	
	EA-111 Functional English	2	0	2	
	MT-221 Linear Algebra & Ordinary Differential Equations	3	0	3	

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Course Code	Course Title	Crd Hrs			
		Th	Pr	T	
Civil Engineering (Thar Campus)					
FALL 2024	CE-107 Engineering Drawing-I	1	2	3	
	CE-102 Statics and Dynamics	3	1	4	
	CE-108 Engineering Materials	2	1	3	
	EE-123 Basic Electrical Engineering	2	0	2	
	MT-114 Calculus	3	0	3	
HS-106 Pakistan Studies OR	1	0	1		
HS-127 Pakistan Studies (for Foreigners)					
SPRING 2025	CE-109 Engineering Surveying-I	2	1	3	
	CE-110 Chemistry for Civil Engineers	1	1	2	
	CE-111 Introduction to Computing for Civil Engineers	1	2	3	
	ME-110 Basic Mechanical Engineering	2	0	2	
	EA-111 Functional English	2	0	2	
	MT-221 Linear Algebra & Ordinary Differential Equations	3	0	3	

Batch 2025					
FIRST YEAR ----- SEMESTER SYSTEM					
Course Code	Course Title	Crd Hrs			
		Th	Pr	T	
Civil Engineering (Thar Campus)					
FALL 2025	PH-128 Applied Physics	3	0	3	
	ES-105 Pakistan Studies OR	2	0	2	
	ES-127 Pakistan Studies (for Foreigners)	2	0	2	
	MT-116 Calculus & Analytical Geometry	3	0	3	
	ES-206 Islamic Studies OR	2	0	2	
ES-209 Ethical Behaviour (for Non-Muslims)	2	0	2		
CE-112 Engineering Drawing-I	1	2	3		
CE-113 Engineering Mechanics	3	1	4		
CY-100 Essentials for Chemistry (for Computer Science Students)				NC	
CE-114 Engineering Surveying-I	2	1	3		
EA-104 Functional English	3	0	3		
EA-108 Ideology and Constitution of Pakistan	2	0	2		
CF-101 IT Fundamentals and Applications	2	1	3		
CE-114 Engineering Surveying-I	2	1	3		
CE-115 Engineering Materials	2	1	3		

Batch 2021					
SECOND YEAR ----- SEMESTER SYSTEM					
Course Code	Course Title	Crd Hrs			
		Th	Pr	T	
Civil Engineering (Thar Campus)					
FALL 2022	CE-201 Engineering Surveying-II	3	1	4	
	CE-205 Mechanics of Solids-I	3	1	4	
	CE-223 Geology for Engineers	2	0	2	
	HS-205 Islamic Studies OR	2	0	2	
	HS-209 Ethical Behaviour (for Non-Muslims)	2	0	2	
HS-218 Business Communication	2	1	3		
CE-222 Engineering Drawing-II	1	2	3		
CE-221 Structural Analysis-I	3	0	3		
SPRING 2023	CE-219 Fluid Mechanics-I	3	1	4	
	MT-331 Probability & Statistics	3	0	3	
	HS-218 Professional Ethics	3	0	3	
	CF-303 Applied Economics for Engineers	3	0	3	
	HS-200 Community Service				NC

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		Th	Pr	T	
Civil Engineering (Thar Campus)					
FALL 2023	CE-201 Engineering Surveying-II	3	1	4	
	CE-205 Mechanics of Solids-I	3	1	4	
	CE-223 Geology for Engineers	2	0	2	
	ES-205 Islamic Studies OR	2	0	2	
	ES-209 Ethical Behaviour (for Non-Muslims)	2	0	2	
EA-218 Business Communication	2	1	3		
CE-222 Engineering Drawing-II	1	2	3		
CE-221 Structural Analysis-I	3	0	3		
SPRING 2024	CE-219 Fluid Mechanics-I	3	1	4	
	MT-331 Probability & Statistics	3	0	3	
	EA-218 Professional Ethics	3	0	3	
	CF-303 Applied Economics for Engineers	3	0	3	
	EA-200 Community Service				NC

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Civil Engineering (Thar Campus)					
FALL 2024	CE-201 Engineering Surveying-II	3	1	4	
	CE-205 Mechanics of Solids-I	3	1	4	
	CE-220 Geology for Engineers	2	1	3	
	ES-205 Islamic Studies OR	2	0	2	
	ES-209 Ethical Behaviour (for Non-Muslims)	2	0	2	
EA-218 Business Communication	2	1	3		
AR-309 Architecture and Town Planning	3	0	3		
CE-222 Engineering Drawing-II	1	2	3		
CE-219 Fluid Mechanics-I	3	1	4		
CE-221 Structural Analysis-I	3	0	3		
CE-219 Professional Ethics	3	0	3		
CE-219 Professional Ethics	3	0	3		
MT-331 Probability & Statistics	3	0	3		
CF-303 Applied Economics for Engineers	3	0	3		
EA-200 Community Service				NC	

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Civil Engineering (Thar Campus)					
FALL 2025	CE-201 Engineering Surveying-II	3	1	4	
	CE-205 Mechanics of Solids-I	3	1	4	
	CE-220 Geology for Engineers	2	1	3	
	ES-206 Islamic Studies OR	2	0	2	
	ES-209 Ethical Behaviour (for Non-Muslims)	2	0	2	
EA-218 Business Communication	2	1	3		
AR-309 Architecture and Town Planning	3	0	3		
CE-222 Engineering Drawing-II	1	2	3		
CE-219 Fluid Mechanics-I	3	1	4		
CE-221 Structural Analysis-I	3	0	3		
CE-219 Professional Ethics	3	0	3		
CE-219 Professional Ethics	3	0	3		
MT-331 Probability & Statistics	3	0	3		
CF-303 Applied Economics for Engineers	3	0	3		
EA-200 Community Service				NC	

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Course Code	Course Title	Crd Hrs			
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Civil Engineering (Thar Campus)					
FALL 2026	CE-224 Engineering Surveying-II	3	1	4	
	CE-225 Mechanics of Solids-I	3	1	4	
	CE-226 Geology for Engineers	2	0	2	
	CE-110 Chemistry for Civil Engineers	1	1	2	
	EA-218 Business Communication	2	1	3	
AR-259 Architecture and Town Planning	2	0	2		
CE-228 Engineering Drawing-II	1	2	3		
CE-229 Structural Analysis-I	3	0	3		
SPRING 2027	CE-230 Fluid Mechanics-I	3	1	4	
	MT-331 Probability & Statistics	3	0	3	
	EA-218 Professional Ethics	3	0	3	
	CF-201 Civics and Community Engagement	2	0	2	
	CF-200 Community Service				NC

Batch 2021					
THIRD YEAR ----- SEMESTER SYSTEM					
Course Code	Course Title	Crd Hrs			
		Th	Pr	T	
Civil Engineering (Thar Campus)					
FALL 2023	CE-320 Reinforced Concrete Design-I	3	0	3	
	CE-321 Construction Engineering	3	0	3	
	CE-323 Quantity & Cost Estimation	3	0	3	
	CE-319 Fluid Mechanics-II	3	1	4	
	AR-309 Architecture and Town Planning	3	0	3	
MT-443 Numerical Analysis	3	0	3		
SPRING 2024	CE-302 Transportation Engineering-I	3	1	4	
	CE-305 Soil Mechanics-I	3	1	4	
	CE-314 Structural Analysis-II	3	0	3	
	CE-322 Mechanics of Solids-II	3	0	3	
	CE-424 Essentials in Construction Project Management	3	0	3	
	EA/ES Foreign Language-I				

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		Th	Pr	T	
Civil Engineering (Thar Campus)					
FALL 2024	CE-320 Reinforced Concrete Design-I	3	0	3	
	CE-321 Construction Engineering	3	0	3	
	CE-323 Quantity & Cost Estimation	3	0	3	
	CE-319 Fluid Mechanics-II	3	1	4	
	AR-309 Architecture and Town Planning	3	0	3	
MT-443 Numerical Analysis	3	0	3		
SPRING 2025	CE-302 Transportation Engineering-I	3	1	4	
	CE-305 Soil Mechanics-I	3	1	4	
	CE-314 Structural Analysis-II	3	0	3	
	CE-322 Mechanics of Solids-II	3	0	3	
	CE-424 Essentials in Construction Project Management	3	0	3	
	EA/ES Foreign Language-I				

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		Th	Pr	T	
Civil Engineering (Thar Campus)					
FALL 2025	CE-320 Reinforced Concrete Design-I	3	0	3	
	CE-321 Construction Engineering	3	0	3	
	CE-302 Transportation Engineering-I	3	1	4	
	CE-319 Fluid Mechanics-II	3	1	4	
	MT-443 Numerical Analysis	3	0	3	
SPRING 2026	CE-323 Quantity & Cost Estimation	3	0	3	
	CE-305 Soil Mechanics-I	3	1	4	
	CE-314 Structural Analysis-II	3	0	3	
	CE-322 Mechanics of Solids-II	3	0	3	
	CE-424 Essentials in Construction Project Management	3	0	3	
	EA/ES Foreign Language-I				

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Civil Engineering (Thar Campus)					
FALL 2026	CE-320 Reinforced Concrete Design-I	3	0	3	
	CE-321 Construction Engineering	3	0	3	
	CE-302 Transportation Engineering-I	3	1	4	
	CE-319 Fluid Mechanics-II	3	1	4	
	MT-443 Numerical Analysis	3	0	3	
SPRING 2027	CE-323 Quantity & Cost Estimation	3	0	3	
	CE-305 Soil Mechanics-I	3	1	4	
	CE-314 Structural Analysis-II	3	0	3	
	CE-322 Mechanics of Solids-II	3	0	3	
	CE-424 Essentials in Construction Project Management	3	0	3	
	EA/ES Foreign Language-I				

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Course Code	Course Title	Crd Hrs			
		Th	Pr	T	
Civil Engineering (Thar Campus)					
FALL 2027	CE-324 Reinforced Concrete Design-I	3	0	3	
	CE-321 Construction Engineering	3	0	3	
	CE-329 Construction Engineering	3	0	3	
	CE-342 Fluid Mechanics-II	2	1	3	
	MT-443 Numerical Analysis	3	0	3	
SPRING 2028	CT-391 Introduction to AI and Data Science	3	0	3	
	CE-327 Soil Mechanics-I	3			