

**(CE\_PG(ENV) 2nd SEMESTER CE )Jan-June 2022**

Period	1	2	3	4		5	6	7	8
Day	8.30-9.30	9.30-10.30	10.30-11.30	11.30-12.30		1.30-2.30	2.30-3.30	3.30-4.30	4.30-5.30
Monday			CE310246 (DS)	CE310217 (SSC)/CE310218(AKS)	LUNCH	CE310226 (AS)/CE310215(RS)	CE310216 (ARQ)/CE310215 (RS)		CE310220 (GT)
Tuesday		CE310246 (DS)	CE310245 (NSM)	CE310245 (NSM)		CE310226 (AS)/CE310215(RS)	CE310216 (ARQ)/CE310215 (RS)		CE310220 (GT)
Vednesday		CE310246 (DS)	CE310247 (NSM)			CE310226 (AS)/CE310215(RS)	CE310247 (NSM)		
Thursday		CE310246 (DS)	CE310245 (NSM)	CE310245 (NSM)		CE310217 (SSC)/CE310218(AKS)	CE310216 (ARQ)/CE310215 (RS)		CE310220 (GT)
Friday		CE310249 (DS)		CE310217 (SSC)/CE310218(AKS)		CE310248 (AS)			

**Note: Course code and faculty details are from page 6 onwards**

**(CE\_PG(GEOT) 2nd SEMESTER CE )Jan-June 2022**

Period	1	2	3	4		5	6	7	8
Day	8.30-9.30	9.30-10.30	10.30-11.30	11.30-12.30		1.30-2.30	2.30-3.30	3.30-4.30	4.30-5.30
Monday		CE330218(S SC)	CE330219(AB)/ CE330216(PS)	CE330217(LD)/CE 330222(SSK)	LUNCH	CE330246(SuK)	CE330245 (LBR)	CE330249 (SSK)	
Tuesday			CE330247 (SuK)			CE330246(SuK)	CE330245 (LBR)	CE330221(PS)/C E330223(AKS)	
Vednesday			CE330248 (PS)			CE330245 (LBR)	CE330217(LD)/CE 330218(SSC)/CE3 30222(SSK)		
Thursday			CE330219(AB)/ CE330216(PS)	CE330246(SuK)		CE330245 (LBR&SSK)		CE330221(PS)/C E330223(AKS)	
Friday		CE330218(S SC)	CE330219(AB)/ CE330216(PS)	CE330217(LD)/CE 330222(SSK)		CE330247 (SuK)		CE330221(PS)/C E330223(AKS)	

**Note: Course code and faculty details are from page 6 onwards**

**(CE\_PG(STR) 2nd SEMESTER CE )Jan-June 2022**

Period	1	2	3	4		5	6	7	8
Day	8.30-9.30	9.30-10.30	10.30-11.30	11.30-12.30	LUNCH	1.30-2.30	2.30-3.30	3.30-4.30	4.30-5.30
Monday				CE230245(SSM)		CE230223(AKS)/ CE230229(SS)/CE 230237(AAJ)	CE230222(AKS)/ CE230235(SK)	CE230226(GJS)/C E230234(AK)/CE 230236(SS)/CE23 0238(AAJ)	
Tuesday		CE230248(SK)		CE230245(SSM)		CE230223(AKS)/ CE230229(SS)/CE 230237(AAJ)	CE230246(AK)	CE230226(GJS)/C E230234(AK)/CE 230236(SS)/CE23 0238(AAJ)	
Vednesday		CE230249(AAJ)		CE230245(SSM)		CE230246(AK)	CE230246(AK& SSM)		
Thursday		CE230247(AKS)		CE230245(SSM)		CE230246(AK)	CE230222(AKS)/ CE230235(SK)	CE230226(GJS)/C E230234(AK)/CE 230236(SS)/CE23 0238(AAJ)	
Friday				CE230222(AKS)/ CE230235(SK)		CE230223(AKS)/ CE230229(SS)/CE 230237(AAJ)	CE230247(AKS)		

Note: Course code and faculty details are from page 6 onwards

**(CE\_PG(TRA) 2nd SEMESTER CE )Jan-June 2022**

Period	1	2	3	4		5	6	7	8
Day	8.30-9.30	9.30-10.30	10.30-11.30	11.30-12.30	LUNCH	1.30-2.30	2.30-3.30	3.30-4.30	4.30-5.30
Monday	CE240249(HC)		CE240246(SKSu) )	CE240245(SS)		CE240215(KS)/CE 240220(SKSu)	CE240216(HC)/C E240223(SaK)		CE310220 (GT)
Tuesday			CE240246(SKSu) )	CE240245(SS)		CE240215(KS)/CE 240220(SKSu)	CE240216(HC)/C E240223(SaK)		CE310220 (GT)
Vednesday			CE240246(SKSu) )	CE240225(HC)/C E240211(RB)		CE240215(KS)/CE 240220(SKSu)	CE240245(SS&RB)		
Thursday		CE240247(KS)		CE240245(SS)		CE240225(HC)/C E240211(RB)	CE240246(SKSu)		CE310220 (GT)
Friday		CE240247(KS)		CE240216(HC)/C E240223(SaK)		CE240225(HC)/C E240211(RB)	CE240248(SaK)		

**Note: Course code and faculty details are from page 6 onwards**

**(CE\_PG(WRE) 2nd SEMESTER CE )Jan-June 2022**

Period	1	2	3	4		5	6	7	8
Day	8.30-9.30	9.30-10.30	10.30-11.30	11.30-12.30		1.30-2.30	2.30-3.30	3.30-4.30	4.30-5.30
Monday			CE250219(SKM) )	CE250216(LBR)/C E250217(VS)	LUNCH	CE250246(RJ)	CE250246 (RJ & SKM)		CE310220 (GT)
Tuesday			CE250245 (RT)/CE250218 (BSD)	CE250216(LBR)/C E250217(VS)		CE250246(RJ)	CE250245 (VS & RT)		CE310220 (GT)
Vednesda	CE250249 (BSD)		CE250219(SKM) )	CE250216(LBR)/C E250217(VS)		CE250245 (RT)	CE250245 (RT)	CE250248 (RJ)	
Thursday			CE250245 (RT & VS)			CE250215 (RT)	CE250245 (RT)/CE250218(B SD)	CE250219(SKM)	CE310220 (GT)
Friday			CE250245 (RT & VS)			CE250246(RJ)	CE250245 (RT)/CE250218(B SD)	CE250219(SKM)	

**Note: Course code and faculty details are from page 6 onwards**

## January-July2022 semester

### Course allotment for M. Tech (Civil Engg.) in Structural Engineering

#### 2<sup>nd</sup> Semester

Sem	Course	Course Title	L	T	P	Faculty
2	CE230245	Structural Dynamics	3	1	0	SS Mishra
2	CE230246	Finite Element Analysis	3	0	2	Ajay Kumar(CC) & SS Mishra
2	CE2302xx	Elective – IV/ MOOC/NPTEL *	3	0	0	
2	CE2302xx	Elective – V/ MOOC/NPTEL *	3	0	0	
2	CE2302xx	Elective – VI/ MOOC/NPTEL *	3	0	0	
2	CE230247	Seminar	0	0	4	AK Sinha
2	CE230248	Comprehensive Viva	0	0	2	Sanjay Kumar
2	CE230249	EAA-SBM	0	0	2	Sharad Singh
4	CE230499	Dissertation	0	0	21	Sharad Singh(CC)

\*For choice of MOOC/NPTEL courses contact Dr. Ajay Kumar

#### List of Electives – 2nd semester

	Course	Course Title	L	T	P	Faculty
2	CE230211	Machine Learning Methods in Civil Engineering	3	0	0	
2	CE230214	Fracture Mechanics	3	0	0	
2	CE230222	Reliability Engineering	3	0	0	AK Sinha
2	CE230223	Structural Health Monitoring	3	0	0	AK Sinha
2	CE230226	Advanced Prestressed Concrete Structures	3	0	0	GJ Singh
2	CE230228	Computational Plasticity	3	0	0	
2	CE230229	Random Vibration Analysis	3	0	0	Sharad Singh
2	CE230230	Advanced Finite Element Method	3	0	0	
2	CE230233	Analysis and Design of High-Rise Buildings	3	0	0	
2	CE230234	Advanced Earthquake Resistant Design of Structures	3	0	0	Ajay Kumar
2	CE230235	Design of Bridge Substructures	3	0	0	Sanjay Kumar
2	CE230236	Structural Response Control for Seismic Protection	3	0	0	Sharad Singh
2	CE230237	Characterization of Construction Materials	3	0	0	Arya Anuj Jee
2	CE230238	Advanced Topics in the Science and Technology of Concrete	3	0	0	Arya Anuj Jee

## Course allotment for M. Tech (Civil Engg.) in Transportation Engineering

Sem	Course	Course Title	L	T	P	Faculty
2	CE240245	Traffic Engineering & Management	3	0	2	Sanjeev Sinha (CC) & Ranja B.
2	CE240246	Pavement Analysis and Design	3	1	0	SK Suman
2	CE2402XX	Elective – IV/ MOOC/NPTEL *	3	0	0	
2	CE2402XX	Elective – V/ MOOC/NPTEL *	3	0	0	
2	CE2402XX	Elective – VI/ MOOC/NPTEL *	3	0	0	
2	CE240247	Seminar	0	0	4	Kumari Sweta
2	CE240248	Comprehensive Viva	0	0	2	Sandip Karmakar
2	CE240249	EAA-SBM	0	0	2	Hillol Chakravorty
4	CE240499	Dissertation				Sanjeev Sinha

\*For choice of MOOC/NPTEL courses contact Dr. Ranja B.

### List of Electives – 2nd semester

Sem	Course	Course Title	L	T	P	Faculty
2	CE240211	Traffic Flow Theory	3	0	0	Ranja B.
2	CE240215	Railway Engineering	3	0	0	Kumari Sweta
2	CE240216	Highway Construction Practices & Maintenance	3	0	0	Hillol Chakravorty
2	CE240217	Multi-modal Transportation System	3	0	0	
2	CE240220	Pavement Management System	3	0	0	SK Suman
2	CE240221	Bridge Engineering	3	0	0	
2	CE240222	Highway Project Management	3	0	0	
2	CE240223	Hill Road Engineering	3	0	0	Sandip Karmakar
2	CE240224	Pavement Mechanics	3	0	0	
2	CE240225	Road Safety Analysis and Management	3	0	0	Hillol Chakravorty

EL-I	CE310220	Geographical Information System	3	0	0	Gopi T.
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## Course allotment for M. Tech (Civil Engg.) in Water Resource Engineering

Sem	Course	Course Title	L	T	P	Faculty
2	CE250245	Advanced Groundwater Engineering	3	0	2	Roshni T.(CC) & V. Singh
2	CE250246	River Morphology and Hydraulics	3	0	2	R. Jha (CC)& SK Murmu
2	CE2502xx	Elective – IV/ MOOC/NPTEL *	3	0	0	
2	CE2502xx	Elective – V/ MOOC/NPTEL *	3	0	0	
2	CE2502xx	Elective – VI/ MOOC/NPTEL *	3	0	0	
2	CE250247	Seminar	0	0	4	Roshni T.(CC) & V. Singh
2	CE250248	Comprehensive Viva	0	0	2	R. Jha
2	CE250249	EAA-SBM	0	0	2	BS Das
4	CE250499	Dissertation				Roshni T.

\*For choice of MOOC/NPTEL courses contact Dr. Roshni T.

### List of Electives – 2nd semester

Sem	Course code	Course Title	L	T	P	Faculty
2	CE250215	Water Resources System's Analysis, Planning and Management	3	0	0	Roshni T.
2	CE250216	Advanced Land Drainage	3	0	0	LB Roy
2	CE250217	Flood and Drought Management	3	0	0	V. Singh
2	CE250218	Finite Difference Methods in Water Resource	3	0	0	B.S. Das
2	CE250219	Hydro Power Engineering	3	0	0	SK Murmu
2	CE250220	Unsteady Flows	3	0	0	
2	CE250222	Vadose Zone Hydrology	3	0	0	
2	CE250223	Advanced Hydraulic Structures	3	0	0	

EL-III	CE310220	Geographical Information System	3	0	0	Goni T.
	CE310226	Groundwater Pollution	3	0	0	Anshuman Singh



## Course allotment for M. Tech (Civil Engg.) in Environmental Engineering

Sem	Course	Course Title	L	T	P	Faculty
2	CE310245	Planning and Design of Environmental Engineering Systems	2	2	0	NS Maurya
2	CE310246	Solid Waste Engineering and Management	3	1	0	Dayanand Sharma
2	CE3102xx	Elective – IV/ MOOC/NPTEL *	3	0	0	
2	CE3102xx	Elective – V/ MOOC/NPTEL *	3	0	0	
2	CE3102xx	Elective – VI/ MOOC/NPTEL *	3	0	0	
2	CE310247	Seminar	0	0	4	NS Maurya
2	CE310248	Comprehensive Viva	0	0	2	Anshuman Singh
2	CE310249	EAA-SBM	0	0	2	Dayanand Sharma
4	CE310499	Dissertation				Reena Singh

\*For choice of MOOC/NPTEL courses contact Dr. Reena Singh

### List of Electives – 2nd semester

Sem	Course code	Course Title	L	T	P	Faculty
2	CE310215	Environmental Impact Assessment and Mitigation	3	0	0	Reena Singh
2	CE310216	Air Quality Modelling	3	0	0	AR Quaff
2	CE310217	Hazardous and Nuclear Waste Management	3	0	0	SS Choudhary
2	CE310218	Industrial Waste Management and Audit	3	0	0	Anil Kumar Sharma
2	CE310219	Life Cycle Analysis and Design for Environment	3	0	0	
2	CE310220	Geographical Information System	3	0	0	Gopi T.
2	CE310221	Environmental Management	3	0	0	Reena Singh
2	CE310224	Chemo Dynamics	3	0	0	
2	CE310225	Environmental Risk Assessment	3	0	0	
2	CE310226	Groundwater Pollution	3	0	0	Anshuman Singh

## Course allotment for M. Tech (Civil Engg.) in Geotechnical Engineering

Sem	Course	Course Title	L	T	P	Faculty
2	CE330245	Applied Rock Mechanics	3	0	2	LB Roy (CC) & Shiv Shankar Kumar
2	CE330246	Geotechnical Earthquake Engineering	3	1	0	Sunita Kumari
2	CE3302XX	Elective – IV/ MOOC/NPTEL *	3	0	0	
2	CE3302XX	Elective – V/ MOOC/NPTEL *	3	0	0	
2	CE3302XX	Elective – VI/ MOOC/NPTEL *	3	0	0	
2	CE330247	Seminar	0	0	4	Sunita Kumari
2	CE330248	Comprehensive Viva	0	0	2	Pijush Samui
2	CE330249	EAA-SBM	0	0	2	Shiv Shankar Kumar
4	CE330499	Dissertation				Lini Dev

\*For choice of MOOC/NPTEL courses contact Dr. Lini Dev

### List of Electives – 2nd semester

Sem	Course code	Course Title	L	T	P	Faculty
2	CE330216	Soil Structure Interaction	3	0	0	Pijush Samui
2	CE330217	Reinforced Earth and Geotextiles	3	0	0	Lini Dev
2	CE330218	Earth and Rockfill Dams	3	0	0	SS Choudhary
2	CE330219	FEM in Engineering Practice	3	0	0	A. Burman
2	CE330221	Artificial Intelligence in Geotechnical Engineering	3	0	0	Pijush Samui
2	CE330222	Transportation Geo techniques	3	0	0	Shiv Shankar Kumar
2	CE330223	Physicochemical Properties and Stabilization of Soils	3	0	0	Anil K. Sharma