

PhD Civil courses schedule(Jan-July2022):

PDME0201- Research Methodology-Monday, Tuesday,Wednesday from 4:30 pm to 5:30 pm
Faculty-Dr. Omji Shukla (Mech. Deptt.)

PDCE0202- Seminar and Technical Report Writing

Environment-Every Thursday 1:30 pm to 4:30 pm by Anshuman Singh

Geotech-Every Friday 1:30 pm to 4:30 pm by LB Roy

Structures-Every Wednesday 2:30 pm to 5:30 pm by Sharad Singh

Transportation-Every Thursday 2:30 pm to 5:30 pm by R. Bandyopadyay

Water resources-Every Friday 1:30 pm to 4:30 pm by Bhabhani Shankar Das

In addition to above compulsory courses any other course will run as per M.Tech Civil time table

**Note:Student should mail his/her roll no., registration slip and name to faculty whose course they are taking as per details of course in next page
Only then faculty will add him/her in their classes.**

January-July2022 semester

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

2nd 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