

## Department of Civil Engineering: Schedule of Odd Semester Courses

UG Compulsory Courses (D)								
S. No.	Course No.	L-T-P-A (Units)	Course Title	Instructor	Slot & Room	Schedule		
						Lecture	Tutorial	Laboratory
1	CE212*	3-0-0-0	Environment and Sustainability	Anubha Goel, Abhishek Chaudhary		MWTh 8:00	--	--
2	CE261*	3-0-1-0 (10)	Fluid Mechanics for Civil Engineers	Chunendra K Sahu / Rajesh Srivastava		MWF17:10	--	T/Th/F14:00-17:00^
3	CE243*	2-0-2-0 (8)	Civil engineering materials	Syam Nair / Samit Raychaudhuri / Amar Nath Ray Chowdhury		MW 12:00	--	T/Th/F14:00-17:00^
4	CE311**	3-0-3-0 (12)	Environmental Quality and Pollution	Mukesh Sharma/ Tarun Gupta / Vinod Tare		MF8:00 T 9:00	--	M/T/Th14:00-17:00
5	CE331A**	3-0-2-0	Geoinformatics	Bharat Lohani		TWTh8:00	--	M/T/Th14:00-17:00
6	CE341**^^	0-0-0-2 (2)	Civil engineering communication skills	Arghya Das		T10:00	--	
7	CE351A**	2-0-2-0 (08)	Soil Mechanics	Jagdish Prasad Sahoo		WF15:00	--	M/T/Th15:00
8	CE361A**	2-0-0-0 (06)	Engineering Hydrology	Tushar Apurv/ Saumyen Guha		TTh17:10	--	--
9	CE371A**	2-0-0-0 (06)	Steel Design	Sudib K Mishra		WF14:00	--	--
10	CE441B**	3-0-0-0 (05)	Construction Management	Suparno Mukhopadhyay		WF16:00	--	--
11	CE341A**^^	0-0-2-0 (02)	Civil Engineering Communication Skills	Arghya Das		T10:00	--	--

\* These courses will be offered for Y22 Batch B.Tech and BS only.

\*\* These courses will NOT be offered for Y22 Batch B.Tech and BS students.

^Out of these total 9 hours lab slots, students will be occupied only for 1-2 hours depending on their batch for CE261 or CE243. Students will be split into 3-6 batches depending on the course.

^^ CE341 and CE341A will be offered together for Y22 and non-Y22 batches, respectively, so book a larger lecture hall that can accommodate 300 students.

<b>UG Departmental Electives (DE)</b> <b>[List all Courses (including OE and PG courses) declared as Departmental Electives]</b>					
S. No.	Course No.	L-T-P-A (Units)	Course Title	Instructor	Slot
1	CE451A (DE-A)	3-0-0-2 (11)	Application of Geotechnical Engineering	Bipin Kumar Gupta	DE2 MTh10:35 – 11:50 Tut: T17.10
2	CE471A (DE-A)	3-0-0-2 (11)	Special Topics in Structural Design	Chinmoy Kolay / Amar Nath Ray Chowdhury	DE5 M 3:35-4:50 T 2--3:15  Tut: F 17.10
3	CE481 (DE-A)	3-0-0-2 (11)	Transportation Facilities Design	Partha Chakroborty / Prabin Kumar Ashish	DE3 MTh12:00 – 13:15 Tut: W17.10
4	CE606A M (FIRST Half)	3-0-0-0 (5)	Optimization Methods for Civil Engineers	Suparno Mukhopadhyay	DE4 MTh 2:00 – 3:15 (BEFORE MIDSEM)
5	CE618A	3-0-0-0	Vadose Zone Hydrology	Richa Ojha	DE3 MTh 12:00 -- 1:15
6	CE620A	3-0-0-0 [9]	Structural Dynamics	Vinay K Gupta	DE1 MTh 9 – 10:15
7	CE621A	3-0-0-0 [9]	Engineering Mechanics	Durgesh C Rai	DE2 MTh 10:35 – 11:50
8	CE630A	3-0-0-0	Rock Mechanics	Gaurav Tiwari	DE1 MTh 9 – 10:15
9	CE653B (M) (Second Half)	3-0-0-0 [5]	Advancements in Concrete	K V Harish	DE3 MTh 12:00 -- 1:15 (after midsem)
10	CE654A (DE-B) (M) (First Half)	3-0-0-0 [5]	Concrete Science and Engineering Properties	K V Harish	DE3 MTh12:00 – 13:15 (before midsem)
11	CE666A (DE-B)	3-0-0-0 (9)	Air Pollution and its Control	S N Tripathi	OE3 WF 10:35 – 11:50
12	CE770A (DE-B)	1.5-0-1-0 [6]	Adjustment Computations for Geoinformatics - I	Onkar Dikshit	DE8 WF 12:00 – 13:15 Lab: WF16:00,
13	CE787A	3-0-2-0 [11]	Computational tools for transportation engineering	Pranamesh Chakraborty/ Aditya Medury	DE5 M3:35-4.50 T2--3:15 Lab: F 14:00-16:50

### Department of Civil Engineering: Schedule of Odd Semester Courses

<b>UG Open Electives (OE)</b> <b>[List All Courses (Including D, DE and PG Courses) Declared as Open Elective]</b>					
S. No.	Course No.	L-T-P-A (Units)	Course Title	Instructor	Slot
1	CE666A (DE-B)	3-0-0-0 (9)	Air Pollution and its Control	S N Tripathi	OE3 WF 10:35 – 11:50

<b>UG Minors [List All Courses (including D, DE, OE and PG courses) Declared as Minor]</b>					
S. No.	Course No.	L-T-P-A (Units)	Course Title	Instructor	Slot

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PG Courses [List all PG courses, including those declared DE, OE or part of minor]					
S. No.	Course No.	L-T-P-A (Units)	Course Title	Instructor	Slot
1	CE603A (Throughout semester)	1.5-0-0-0 [5]	Mathematics for Civil Engineers	Hemant Gehlot	PG2 M 9:00 – 10:15
2	CE604A (Throughout semester)	1.5-0-0-0 [5]	Numerical Methods for Civil Engineers	Samit Raychaudhuri	PG15 Th 3:35 – 4:50
3	CE605A (Throughout semester)	1.5-0-0-0 [5]	Probability and Statistics for Civil Engineers	Balaji Devaraju	PG15 T 3:35 – 4:50
4	CE606A M (FIRST Half)	3-0-0-0 (5)	Optimization Methods for Civil Engineers	Suparno Mukhopadhyay	DE4 MTh 2:00 – 3:15 (BEFORE MIDSEM)
5	CE610A	3-0-0-0 [9]	Advanced Hydrology	Tushar Apurv/ Saumyen Guha	PG5 WF9:00 – 10:15
6	CE611A	3-0-0-0 [9]	Advanced Hydraulics	Chunendra K Sahu/ Rajesh Srivastava	PG6 WF 10:35 – 11:50
7	CE618A	3-0-0-0	Vadose Zone Hydrology	Richa Ojha	DE3 MTh 12:00 -- 1:15
8	CE620A	3-0-0-0 [9]	Structural Dynamics	Vinay K Gupta	DE1 MTh 9 – 10:15
9	CE621A	3-0-0-0 [9]	Engineering Mechanics	Durgesh C Rai	DE2 MTh 10:35 – 11:50
10	CE630A	3-0-0-0	Rock Mechanics	Gaurav Tiwari	DE1 MTh 9 – 10:15
11	CE631A	3-0-0-0 [9]	Advanced Geotechnical Engineering	Rajesh Sathiyamoorthy	PG4 MTh12:00 – 13:15
12	CE638A	2-0-3-0 [9]	Geotechnical Measurements and Explorations	N R Patra	PG5 WF 9:00– 10:15 Lab: WF 14:00-16:50
13	CE653B (M) (Second Half)	3-0-0-0 [5]	Advancements in Concrete	K V Harish	DE3 MTh 12:00 -- 1:15 (after midsem)
14	CE654A (M) (First Half)	3-0-0-0 [5]	Concrete Science and Engineering Properties	K V Harish	DE3 MTh12:00 – 13:15 (before midsem)
15	CE664A	3-0-0-0 [9]	Physico-Chemical Principles and Processes	Abhas Singh	PG6 WF10:35 – 11:50
16	CE665A	3-0-0-0 [9]	Ecological and Biological Principles and Processes	Purnendu Bose	PG9 WF17:10- 18:25
17	CE666A	3-0-0-0 (9)	Air Pollution and its Control	S N Tripathi	OE3 WF 10:35 – 11:50
18	CE671A	3-0-2-0 [11]	Introduction to Remote Sensing	S. Goel	PG4 MTh12:00 – 13:15 Lab F 14:00-16:00
19	CE678A	3-0-2-0 (11)	Physical Geodesy	Balaji Devaraju	PG6 WF 10:35 – 11:50 Lab: W 14:00-16:00
20	CE683A	3-0-0-0 [9]	Traffic Engineering	Venkatesan Kanagaraj	PG15 TTh 3:35 – 4:50
21	CE732A	3-0-0-0 (9)	Unsaturated Soil Mechanics	Parth Narayan Mishra	PG6 WF 10:35– 11:50
22	CE738A	2-0-3-0 (9)	Hydrometry	Shivam Tripathi	PG3 MTh 10:35– 11:50

					Lab: ThF 14:00
23	CE770A	1.5-0-1-0 [6]	Adjustment Computations for Geoinformatics - I	Onkar Dikshit	DE8 WF 12:00 – 13:15 Lab: WF16:00,
24	CE772A M (First Half)	3-0-1-0 [6]	Reference Frames, Coordinate Systems and Map Projections	B Nagarajan	PG3 MTh10:35 – 11:50 Lab: Th14:00-16:50 (BEFORE MIDSEM)
25	CE773B M (Second Half)	3-0-1-0 [6]	Geodetic Astronomy and Introduction to Satellite Geodesy	B Nagarajan	PG3 MTh10:35 – 11:50 Lab: Th14:00-16:50 (AFTER MIDSEM)
26	CE786A	3-0-0-0 [9]	Analysis and design of bituminous pavements	Animesh Das	PG5 WF9:00 – 10:15
27	CE787A	3-0-2-0 [11]	Computational tools for transportation engineering	Pranamesh Chakraborty/ Aditya Medury	DE5 M3:35-4.50 T2--3:15 Lab: F 14:00-16:50
28	ETH111		Practical Ethics	Prabin Kumar Ashish	
29	CE697A	0-0-0-0 [00]	M.Tech Seminar I	DPGC convener	
30	CE699A	0-0-0-9 [09]	M.Tech Thesis	DPGC convener	
31	CE791A	0-0-0-5 [05]	Literature Search and Review	DPGC convener	
32	CE792A	0-0-0-5 [05]	Scientific Writing Skills	DPGC convener	
33	CE793A	0-0-0-5 [05]	Scientific Presentation Skills	DPGC convener	
34	CE794A	0-0-0-5 [05]	Scientific Data Analysis, Presentation and Interpretation	DPGC convener	
35	CE797A	0-0-0-0 [00]	PhD Seminar I	DPGC convener	
36	CE798A	0-0-0-0 [00]	PhD Seminar II	DPGC convener	
37	CE799A	0-0-0-9 [09]	PhD Thesis	DPGC convener	
38	CE897A	0-0-0-0 [00]	MS (Research) Seminar I	DPGC convener	
39	CE899A	0-0-0-9 [09]	MS (Research) Thesis	DPGC convener	

### PG Laboratory

S. No.	Course No.	L-T-P-A (Units)	Course Title	Instructor	Laboratory Schedule
1	CE638A	2-0-3-0 [9]	Geotechnical Measurements and Explorations	N R Patra	WF 14:00-16:50
2	CE671A	3-0-2-0 [11]	Introduction to Remote Sensing	S. Goel	F 14:00-16:00
3	CE678A	3-0-2-0 (11)	Physical Geodesy	Balaji Devaraju	W 14:00-16:00
4	CE738A	2-0-3-0 (9)	Hydrometry	Shivam Tripathi	ThF 14:00
5	CE770A	1.5-0-1-0 [6]	Adjustment Computations for Geoinformatics - I	Onkar Dikshit	WF16:00,
6	CE772A M (First Half)	3-0-1-0 [6]	Reference Frames, Coordinate Systems and Map Projections	B Nagarajan	Th14:00-16:50 (BEFORE MIDSEM)
7	CE773B M (Second Half)	3-0-1-0 [6]	Geodetic Astronomy and Introduction to Satellite Geodesy	B Nagarajan	Th14:00-16:50 (AFTER MIDSEM)
8	CE787A	3-0-2-0 [11]	Computational tools for transportation engineering	Pranamesh Chakraborty/ Aditya Medury	F 14:00-16:50

## Odd Semester: Slot Assignments

OE-1: SE-1	Lec. MWF17:00;
OE-2 / DE:	Lec. WF9:00 – 10:15;
OE-3 / DE:	Lec. WF10:35 – 11:50;
OE-4:	Lec. MTh14:00 – 15:15;
OE-5:	Lec. M15:35 – 16:50, T14:00 – 15:15;
OE-6:	Lec. WF15:35 – 16:50;
OE-7: SE-2	Lec. MF8:00, T9:00;
OE-8*:	Lec. WF12:00 – 13:15;
OE (T):	Tut. WF12:00; WF14:00; TTh17:10 (use only for Tutorial not for Lecture)
DE-1:	Lec. MTh9:00 – 10:15;
DE-2:	Lec. MTh10:35 – 11:50
DE-3:	Lec. MTh12:00 – 13:15
DE-4:	Lec. MTh14:00 – 15:15;
DE-5:	Lec. M15:35 – 16:50, T14:00 – 15:15;
DE-6:	Lec. WF15:35 – 16:50;
DE-7:	Lec. MF8:00, T9:00;
DE-8*:	Lec. WF12:00 – 13:15;
DE (T):	Tut. WF12:00; WF14:00; TTh17:10 (use only for Tutorial not for Lecture)

\*OE-8 and DE-8 Clashes with HSS-II (1) and OE (T) / DE (T) Slots

PG-1:	Lec. MF8:00, T9:00;
PG-2:	Lec. MTh9:00 – 10:15;
PG-3:	Lec. MTh10:35 – 11:50
PG-4:	Lec. MTh12:00 – 13:15
PG-5:	Lec. WF9:00 – 10:15;
PG-6:	Lec. WF10:35 – 11:50;
PG-7*:	Lec. T17:10, W12:00, F14:00
PG-8*:	Lec. TF12:00, W14:00
PG-9:	Lec. WF17:10 – 18:25
PG-10:	Lec. TWTh8:00
PG-11 (4-hr Slot):	Lec. M17:10, T10:00, WF15:00
PG-12 (4-hr Slot):	Lec. T11:00, WF16:00, Th17:10
PG-13:	Lec. MTh14:00 – 15:15
PG-14:	Lec. M15:35 – 16:50, T14:00 – 15:15;
PG-15:	Lec. TTh15:35 – 16:50;
PG (T):	Tut. WF12:00; WF14:00; TTh17:10 (use only for Tutorial not for Lecture)
PG LAB.:	MTWThF14:00 – 17:50;

\*PG-7 and PG-8 Clashes with PG(T) slots

OE: Open Elective/Minor Course Slots;  
 OE (T): Open Elective Tutorial Slots;  
 DE: UG Departmental Elective Slots;  
 DE (T): Departmental Elective Tutorial Slots;  
 PG: PG Slots;  
 PG(T): PG Slots that can be used for PG tutorials  
 HSS-II: Humanities Courses;  
 PG LAB.: PG Laboratory Slots;