

Course Time-Table for Jan- May 2026 (Winter/Even Semester)

Chemical Engineering Department

The Complete List of all Courses that will be offered by the Department/ Center in the next semester (including preparatory, core, compulsory, elective, theory, lab, seminar, project, reading course, etc.) is to be given below.

Sl. No.	Course No.	Course Title	L	T	P	C	Type of Course (Compulsory / Open Elective/ Dept. Elective)	Offered to Whom [Program (Semester, Specialization : Deptt.)]	Name(s) of Course Instructor(s)	IITG Email ids of Instructors (without @iitg.ac.in)	Class Slot	Exam Slot	Room No.	Appx. Student Strength*
1	CL 1201	Chemical Process Calculations	2	1	0	6	Compulsory	UG (II : CL)	Animes Kumar Golder	animes	B	A1	5404	86
2	CL 205	Mass Transfer Operations I	3	1	0	8	Compulsory	UG (IV : CL)	Bishnupada Mandal; Kaustubha Mohanty	bpmandal; kmohanty	A	A	5003	81
3	CL 206	Solid Fluid Operations	3	0	0	6	Compulsory	UG (IV : CL)	Subrata K. Majumder, Shambhojit Roy	skmaj; shro3435	B	B	5003	82
4	CL 207	Computer Aided Numerical Methods	2	1	2	8	Compulsory	UG (IV : CL)	Prakash Kotecha; R. Anandalakshmi	pkotecha; anandalakshmi	C	C	5003	97
5	CL 208	Chemical Reaction Engineering I	2	1	0	6	Compulsory	UG (IV : CL)	Nageswara Rao Peela, Nanda Kishore	peelanr; nkishore	D	D	5003	85
6	CL 209	Process Equipment Design I	1	0	3	8	Compulsory	UG (IV : CL)	Mihir Kumar Purkait	mhir	E	E	5003	81
7	CL 210H	Laboratory 1: Fluid Mechanics	0	0	3	1.5	Compulsory	UG (IV : CL)	Supriya Gupta; Siddhartha; Mukherjee; Nanda Kishor	spgupta; siddhartha.chem; nkishore	AL 1			
8	CL 211H	Laboratory 2: Heat Transfer	0	0	3	1.5	Compulsory	UG (IV : CL)	Debit Ghoshal, R. Anandalakshmi, G., Pugazenthi	debitghoshal; anandalakshmi; pugal	AL 2			
9	CL 304	Chemical Process Technology	3	0	0	6	Compulsory	UG (VI : CL)	Vimal Katiyar; Supriya Gupta	vkatiyar; spgupta	A1	A1	5003	90
10	CL 305	Transport Phenomena	2	1	0	6	Compulsory	UG (VI : CL)	Siddhartha Mukherjee, Debit Ghoshal	siddhartha.chem; debitghoshal	D1	D1	5003	90
11	CL 306	Process Engineering & Economics	2	1	0	6	Compulsory	UG (VI : CL)	Sumit Kumar	s.kumar	C1	C1	5003	91
12	CL 312	Computer Aided Process Equipmen Design	0	0	3	3	Compulsory	UG (VI : CL)	Tamal Banerjee, Anugrah Singh	tamalb; anugrah	ML 3			
13	CL 313	Laboratory 4: Mass Transfer	0	0	3	3	Compulsory	UG (VI : CL)	AK Dasmahapatra; Shambhojit Roy, N.; Peela Rao	akdm; shro3435; peelanr	ML 4			
14	CL 314H	Laboratory 5: Reaction Engineering	0	0	3	1.5	Compulsory	UG (VI : CL)	R. Prasanna V, Prabu Vairakannu	rprasanna; v.prabu	ML 1			
15	CL 315H	Laboratory 6: Process Control	0	0	3	1.5	Compulsory	UG (VI : CL)	Pankaj Tiwari, Amit Kumar	pankaj.tiwari; amitkumar	ML 2			
16	CL 399	General Learning of Chemical Engineering Research Protect - II	0	0	3	3	Optional	UG (VI : CL)	DUPC	dupc.chemical				
17	CL 499	Btech Project II	0	0	12	12	Compulsory	UG (VIII : CL)	DUPC	dupc.chemical				
18	CL 503	Advanced Thermodynamics	3	0	0	6	Compulsory	PG (MST, PST, CAPE, PhD: CL)	Omkar Deshmukh	o.deshmukh	D1	A	5101	58
19	CL 504	Advanced reaction Engineering	3	0	0	6	Compulsory	PG (MST, PST, CAPE, PhD: CL)	R. Prasanna V, Prabu Vairakannu	rprasanna; v.prabu	C1	B	5101	58
20	CL 505	Petroleum Production Engineering	3	0	0	6	Compulsory	PG (PST, PhD: CL)	Abhijit Kakati	abhijitkakati	A1	C	5101	32
21	CL 506	Smart Materials	3	0	0	6	Compulsory	PG (MST, PhD: CL)	Partho S.G Pattader	psgp	A1	C	4001	14
22	CL 514	Fundamentals of Material Science & Engineering	3	0	0	6	Compulsory	PG (MST, PhD: CL)	Chandan Das	cdas	E1	E	4001	16
23	CL 653	Applications of Artificial Intelligence and Machine Learning in Chemical Engineering	2	0	2	6	Compulsory & Dep. Electives	UG (VI, VIII, CL), PG (CAPE, MST, PST, PhD)	Senthimurugan S	senthimurugan	B1	D	5G3	120
24	CL 654	Multiscale Modeling and Simulation	2	0	2	6	Compulsory & Dep. Electives	UG (VI, CL), PG (CAPE, MST, PST, PhD)	Amit Kumar & Raghendra Gupta	amtkumar; guptar	E1	C	5101	17
25	CL 698	Petroleum Laboratory	0	0	3	3	Compulsory	PST & II	Sumit Kumar, Abhijit Kakati	s.kumar; abhijitkakati	ML 3			
26	CL 699	Scientific Communications	0	0	2	2	Compulsory	PG (MST, PST, CAPE, PhD: CL)	V.S. Moholkar	vmoholkar			5101	57
27	CL 611	Advanced Process Control	3	0	0	6	Dept. Elective	UG (VI, CL), PG (CAPE, MST, PST, PhD)	Saha, P	p.saha	A	A1	4001	4
28	CL 612	Colloid and Interface Science	3	0	0	6	Dept. Elective	UG (VIII, CL), PG (CAPE, MST, PST, PhD)	Pallab Ghosh	pallabg	B	B1	5101	8
29	CL 613	Computational Fluid Dynamics	3	0	0	6	Dept. Elective	PG (CAPE, MST, PST, PhD)	Anugrah Singh	anugrah	C	C1	4001	12
30	CL 656	Chemical Process Safety	3	0	0	6	Dept. Elective	UG (VIII, CL), PG (CAPE, MST, PST, PhD)	Pankaj Tiwari	pankaj.tiwari	D	D1	5101	76
31	CL 622	Molecular simulations: Principles and Applications	3	0	0	6	Dept. Elective	UG (VIII, CL), PG (CAPE, MST, PST, PhD)	Ashok K. Dasmahapatra	akdm	A	A1	5101	29
32	CL 625	Fundamentals of micro-nanofluidics & microfabrication	3	0	0	6	Dept. and Open Elective	UG (VI, VIII, CL), PG (CAPE, MST, PST, PhD), JBMSHST	Dipankar Bandyopadhyay	dpban	F	F	5G1	
33	CL 626	Energy Resources	3	0	0	6	Dept. and Open Elective	UG (VIII, CL), PG (CAPE, MST, PST, PhD)	Vaibhaw V. Goud	vvgoud	F	F	5306	
34	CL 633	Applied Statistical Thermodynamics	3	0	0	6	Dept. Elective	UG (VI, CL), PG (CAPE, MST, PST, PhD)	Tamal Banerjee	tamalb	C	C1	5001	75
35	CL 640	Research Methodology and Scientific Writing	3	0	0	6	Department Elective	PG (PhD)	Ramgopal Uppaluri	ramgopal	G		4001	10
36	CL 643	Computer Aided Applied Optimization	2	0	2	6	Dept. & Open Elective	UG (VI, VIII, CL), PG (CAPE, MST, PST, PhD)	Prakash Kotecha	pkotecha	F	F	5103	
37	CL 650	Quantum Technologies in Chemical Engineering	3	0	0	6	Dept & Open Elective	UG (VI, VIII, CL), PG (CAPE, MST, PST, PhD)	Tapas K. Mandal	tapasche	F	F	5105	
38	CL 699	Project II	0	0	24	24	Compulsory	PG (CAPE, MST, PST)	DPPC	dppcchemical				
39	IFST 018	Joint Degree Dissertation	0	0	4	4	Compulsory	IFST & II	Coordinator IFST	mftstcc				
40	IFST 020	Joint Degree Dissertation	0	0	9	9	Compulsory	IFST & IV	Coordinator IFST	mftstcc				
41	CL CL1092M	Fundamentals of Materials Science	3	0	0	6	Minor	UG(II)	Pallab Ghosh, Chandan Das	pallabg; cdas	G	G1	5404	17

CLASSWISE TIME-TABLE: JAN-MAY 2026

Semester-IV BTech										
Day	8:00 - 8:55	9:00 - 9:55	10:00 - 10:55	11:00 - 11:55	12:00 - 12:55	13:00 - 13:55	14:00 - 14:55	15:00 - 15:55	16:00 - 16:55	17:00 - 17:55
Mon		CL 206	CL 207	CL 208	Minor II			CL 210H		
Tue		CL 205	CL 206	CL 208	Minor II			CL 211H		
Wed		CL 209	CL 205	CL 206	HS Elective					
Thu	CL 207	CL 207	CL 205	CL 205	HS Elective					
Fri	CL 207	CL 208		Minor II	HS Elective				CL 209	
Semester-VI BTech										
Day	8:00 - 8:55	9:00 - 9:55	10:00 - 10:55	11:00 - 11:55	12:00 - 12:55	13:00 - 13:55	14:00 - 14:55	15:00 - 15:55	16:00 - 16:55	17:00 - 17:55
Mon		CL 314H				Open Elective		CL 306		CL 304
Tue		CL 315H				Open Elective			CL 304	
Wed		CL 312				Minor IV		CL 304		CL 305
Thu		CL 313				Minor IV			CL 305	CL 306
Fri						Minor IV	Open Elective	CL 305	CL 306	
Semester-VIII BTech										
Day	8:00 - 8:55	9:00 - 9:55	10:00 - 10:55	11:00 - 11:55	12:00 - 12:55	13:00 - 13:55	14:00 - 14:55	15:00 - 15:55	16:00 - 16:55	17:00 - 17:55
Mon					Open Elective					
Tue					Open Elective					
Wed					HSS Elective					
Thu					HSS Elective					
Fri				Open Elective	HSS Elective					
Semester-II MST										
Day	8:00 - 8:55	9:00 - 9:55	10:00 - 10:55	11:00 - 11:55	12:00 - 12:55	13:00 - 13:55	14:00 - 14:55	15:00 - 15:55	16:00 - 16:55	17:00 - 17:55
Mon								CL 504		CL 506
Tue									CL 506	CL 514
Wed								CL 506	CL 514	CL 503
Thu								CL 514	CL 503	CL 504
Fri							CL 504	CL 503	CL 599	CL 599
Semester-II PST										
Day	8:00 - 8:55	9:00 - 9:55	10:00 - 10:55	11:00 - 11:55	12:00 - 12:55	13:00 - 13:55	14:00 - 14:55	15:00 - 15:55	16:00 - 16:55	17:00 - 17:55
Mon								CL 504		CL 505
Tue									CL 505	
Wed		CL 598						CL 505		CL 503
Thu									CL 503	CL 504
Fri							CL 504	CL 503	CL 599	CL 599
Semester-II CAPE										
Day	8:00 - 8:55	9:00 - 9:55	10:00 - 10:55	11:00 - 11:55	12:00 - 12:55	13:00 - 13:55	14:00 - 14:55	15:00 - 15:55	16:00 - 16:55	17:00 - 17:55
Mon								CL 504	CL 653	
Tue							CL 653			CL 654
Wed							CL 653		CL 654	CL 503
Thu							CL 654	CL 654	CL 503	CL 504
Fri							CL 504	CL 503	CL 599	CL 599
Electives										
Day	8:00 - 8:55	9:00 - 9:55	10:00 - 10:55	11:00 - 11:55	12:00 - 12:55	13:00 - 13:55	14:00 - 14:55	15:00 - 15:55	16:00 - 16:55	17:00 - 17:55
Mon		CL 612	CL 613 / CL 633	CL 656	CL 625 / CL 626 / CL 643 / CL 650					
Tue		CL 611 / CL 622	CL 612	CL 613 / CL 633	CL 625 / CL 626 / CL 643 / CL 650					
Wed		CL 656			CL 640					
Thu		CL 612	CL 656	CL 611 / CL 622	CL 640					
Fri		CL 613 / CL 633	CL 611 / CL 622	CL 625 / CL 626 / CL 643 / CL 650	CL 640					
IFST										
Day	8:00 - 8:55	9:00 - 9:55	10:00 - 10:55	11:00 - 11:55	12:00 - 12:55	13:00 - 13:55	14:00 - 14:55	15:00 - 15:55	16:00 - 16:55	17:00 - 17:55
Mon										
Tue										
Wed										
Thu										
Fri										
Institute Timetable for July-November 2025 Semester										
Day	8:00 - 8:55	9:00 - 9:55	10:00 - 10:55	11:00 - 11:55	12:00 - 12:55	1:00 - 1:55	2:00 - 2:55	3:00 - 3:55	4:00 - 4:55	5:00 - 5:55
Mon	A	B	C	D	F	F1	D1	C1	B1	A1
Tue	E	A	B	C	F	F1	C1	B1	A1	E1
Wed	D	E	A	B	G	G1	B1	A1	E1	D1
Thu	C	D	E	A	G	G1	A1	E1	D1	C1
Fri	B	C	D	F	G	G1	F1	D1	C1	B1

ROOMWISE TIME-TABLE: JAN-MAY 2026

Room 5003 (Seating capacity: 120)

Day	8:00 - 8:55	9:00 - 9:55	10:00 - 10:55	11:00 - 11:55	12:00 - 12:55	13:00 - 13:55	14:00 - 14:55	15:00 - 15:55	16:00 - 16:55	17:00 - 17:55
Mon		CL 206	CL 207	CL 208				CL 306		CL 304
Tue		CL 205	CL 206	CL 208					CL 304	
Wed		CL 209	CL 205	CL 206				CL 304		CL 305
Thu	CL 207	CL 207	CL 205	CL 205					CL 305	CL 306
Fri	CL 207	CL 208						CL 305	CL 306	

Room 5101 (Seating capacity: 120)

Day	8:00 - 8:55	9:00 - 9:55	10:00 - 10:55	11:00 - 11:55	12:00 - 12:55	13:00 - 13:55	14:00 - 14:55	15:00 - 15:55	16:00 - 16:55	17:00 - 17:55
Mon		CL 612	CL 633	CL 656				CL 504		CL 505
Tue		CL 622	CL 612	CL 633					CL 505	CL 654
Wed		CL 656						CL 505	CL 654	CL 503
Thu		CL 612	CL 656	CL 622			CL 654	CL 654	CL 503	CL 504
Fri		CL 633	CL 622				CL 504	CL 503	CL 599	CL 599

Room 4001 (Seating capacity: 60)

Day	8:00 - 8:55	9:00 - 9:55	10:00 - 10:55	11:00 - 11:55	12:00 - 12:55	13:00 - 13:55	14:00 - 14:55	15:00 - 15:55	16:00 - 16:55	17:00 - 17:55
Mon			CL 613							CL 506
Tue		CL 611		CL 613					CL 506	CL 514
Wed					CL 640			CL 506	CL 514	
Thu				CL 611	CL 640			CL 514		
Fri		CL 613	CL 611		CL 640					

Room 4208 (Seating capacity: 70)

Day	8:00 - 8:55	9:00 - 9:55	10:00 - 10:55	11:00 - 11:55	12:00 - 12:55	13:00 - 13:55	14:00 - 14:55	15:00 - 15:55	16:00 - 16:55	17:00 - 17:55
Mon										
Tue										
Wed										
Thu										
Fri										

Institute Time Table

Day	8:00 - 8:55	9:00 - 9:55	10:00 - 10:55	11:00 - 11:55	12:00 - 12:55	1:00 - 1:55	2:00 - 2:55	3:00 - 3:55	4:00 - 4:55	5:00 - 5:55
Mon	A	B	C	D	F	F1	D1	C1	B1	A1
		ML1					AL1			
Tue	E	A	B	C	F	F1	C1	B1	A1	E1
		ML2					AL2			
Wed	D	E	A	B	G	G1	B1	A1	E1	D1
		ML3					AL3			
Thu	C	D	E	A	G	G1	A1	E1	D1	C1
		ML4					AL4			
Fri	B	C	D	F	G	G1	F1	D1	C1	B1
		ML5					AL5			