

Name of the Academic Department / Center: Chemical Engineering													
Academic Year: 2025													
Session: Jan- May (Winter)													
Sl. No.	Course No.	Course Title	L	T	P	C	Type of Course (Compulsory / Open Elective/ Dept. Elective)	Offered to Whom (Program & Semester)	Name(s) of Course Instructor(s)	IITG Email ids of instructors (without @iitg.ac.in)	Class Slot	Exam Slot	Room No.
1	CL 205	Mass Transfer Operations I	3	1	0	8	Compulsory	Undergraduate & IV	Bishnupada Mandal; Kaustubha Mohanty	bpmandal, kmohanty	A	A	5003
2	CL 206	Solid Fluid Operations	3	0	0	6	Compulsory	Undergraduate & IV	Subrata K. Mazumder	skmaju	B	B	5003
3	CL 207	Computer Aided Numerical Methods	2	1	2	8	Compulsory	Undergraduate & IV	Prakash Kotecha	pkotecha	D	D	5003
4	CL 208	Chemical Reaction Engineering I	2	1	0	6	Compulsory	Undergraduate & IV	Nageswara Rao Peela, Nanda Kishore	peelanr, nkishore	C	C	5003
5	CL 209	Process Equipment Design I	1	0	3	5	Compulsory	Undergraduate & IV	Mihir Kumar Purkait	mihir	E	E	5003
6	CL 210H	Laboratory 1: Fluid Mechanics	0	0	3	1.5	Compulsory	Undergraduate & IV	Chandan Das, Raghendra Gupta	cdas, guptar			
7	CL 211H	Laboratory 2: Heat Transfer	0	0	3	1.5	Compulsory	Undergraduate & IV	Tapas K. Mandal, Animes Kumar Golder	tapasche, animes			
8	CL 304	Chemical Process Technology	3	0	0	6	Compulsory	Undergraduate & VI	Vimal Katiyar	vkatiyar	E1	E1	5003
9	CL 305	Transport Phenomena	2	1	0	6	Compulsory	Undergraduate & VI	R. Anandalakshmi	anandalakshmi	A1	A1	5003
10	CL 306	Process Engineering & Economics	2	1	0	6	Compulsory	Undergraduate & VI	Sumit Kumar	s_kumar	D1	D1	5003
11	CL 312	Computer Aided Process Equipmen Design	0	0	3	3	Compulsory	Undergraduate & VI	Tamal Banerjee, Anugrah Singh	tamalb, anugrah			
12	CL 313	Laboratory 4: Mass Transfer	0	0	3	3	Compulsory	Undergraduate & VI	Ashok K. Dasmahapatra, Ramgopal Uppaluri	akdm, ramgopalu			
13	CL 314H	Laboratory 5: Reaction Engineering	0	0	3	1.5	Compulsory	Undergraduate & VI	R. Prasanna V, Prabu Vairakannu	rprasanna, v.prabu			
14	CL 315H	Laboratory 6: Process Control	0	0	3	1.5	Compulsory	Undergraduate & VI	Pankaj Tiwari, Amit Kumar	pankaj.tiwari, amitkumar			
15	CL 399	General Learning of Chemical Engineering Research Proje	0	0	3	3	Optional	Undergraduate & VI	DUPC	dupc.chemical			
16	CL 499	Btech Project II	0	0	12	12	Compulsory	Undergraduate & VIII	DUPC	dupc.chemical			
17	CL 503	Advanced Thermodynamics	3	0	0	6	Compulsory	MST & II, PST & II, CAPE & II, (& PhD)	Omkar Deshmukh	o.deshmukh	D1	D1	4204
18	CL 504	Advanced reaction Engineering	3	0	0	6	Compulsory	MST & II, PST & II, CAPE & II, (& PhD)	R. Prasanna V, Prabu Vairakannu	rprasanna, v.prabu	C1	C1	4204
19	CL 505	Petroleum Production Engineering	3	0	0	6	Compulsory	PST & II, (& PhD)	Abhijit Kakati	abhijitkakati	A1	A1	4204
20	CL 506	Smart Materials	3	0	0	6	Compulsory	MST & II, & PhD	Partho S.G Pattader	psgp	A1	A1	4208
21	CL 514	Fundamentals of Material Science & Engineering	3	0	0	6	Compulsory	MST & II, & PhD	Chandan Das	cdas	E1	E1	4208
22	CL 653	Applications of Artificial Intelligence and Machine Learnin	2	0	2	6	Compulsory & Dep. Electi	CAPE & II; UGe & (VI,VIII), MST & II, PST & II, PhD & all	Senthilmurugan S	senthilmurugan	B1	B1	4204
23	CL 654	Multiscale Modelling and Simulation	2	0	2	6	Compulsory & Dep. Electi	CAPE & II; UG & (VIII), MST & II, PST & II, PhD & all	Amit Kumar & Raghendra Gupta	amitkumar, guptar	E1	E1	4204
24	CL 598	Petroleum Laboratory	0	0	3	3	Compulsory	PST & II	Sumit Kumar, Abhijit Kakati	s_kumar& abhijitkakati			
25	CL 599	Scientific Communications	0	0	2	2	Compulsory	MST & II, PST & II, CAPE & II	Senthilmurugan S, Omkar Deshmukh	senthilmurugan, o.deshmukh			
26	CL 611	Advanced Process Control	3	0	0	6	Open & Dept. Elective	UG & VI, VIII; MST & I, PST & I, CAPE & I, PhD & all	Saha, P	p_saha	F1	F1	5106
27	CL 612	Colloid and Interface Science	3	0	0	6	Dept. Elective	UG & VI, VIII; MST & I, PST & I, CAPE & I, PhD & all	Pallab Ghosh	pallabg	G	G	4204
28	CL 613	Computational Fluid Dynamics	3	0	0	6	Dept. Elective	MST & II, PST & II, CAPE & II, PhD & all	Anugrah Singh	anugrah	D	D	4208
29	CL 617	Petrochemicals	3	0	0	6	Dept. Elective	PST & II, PhD	G. Pugazhenth	pugal	G	G	4208
30	CL 619	Refinery Process Design	3	0	0	6	Dept. Elective	PST & II; PhD	Animes Kumar Golder	animes	C	C	4208
31	CL 622	Molecular simulations: Principles and Applications	3	0	0	6	Dept. Elective	UG& VIII , MST & II, PST & II, CAPE & II, PhD & all	Ashok K. Dasmahapatra	akdm	A	A	4208
32	CL 625	Fundamentals of micro-nanofluidics & microfabrication	3	0	0	6	Dept. Elective	UG & VI, VIII; MST & II, PST & II, CAPE & II, PhD & all; JBMSHST	Dipankar Bandyopadhyay	dipban	F	F	5102
33	CL 633	Applied Statistical Thermodynamics	3	0	0	6	Dept. Elective	UG & VIII , MST & II, PST & II, CAPE & II, PhD & all	Tamal Banerjee	tamalb	C	C	4204
34	CL 640	Research Methodology and Scientific Writing	3	0	0	6	Department Elective	PhD only	Ramgopal Uppaluri	ramgopalu	G1	G1	4208
35	CL 643	Computer Aided Applied Optimization	2	0	2	6	Open & Dept. Elective	UG & (VI,VIII), MST & II, PST & II, PhD & all	Prakash Kotecha,	pkotecha	F	F	5201
36	CL 650	Quantum Technologies in Chemical Engineering	3	0	0	6	Dept. Elective	MST & II, PST & II, CAPE & II, PhD & all	Tapas K. Mandal	tapasche	B	B	4208
37	CL 656	Chemical Process Safety	3	0	0	6	Dept. Elective	MST & II, PST & II, CAPE & II, PhD & all	Pankaj Tiwari, Ragvendra Gupta	pankaj.tiwari, guptar	D	D	4204
38	CL 699	Project II	0	0	24	24	Compulsory	MST & II, PST & II, CAPE & II	DPPC	dppcchemical			
39	IFST 018	Joint Degree Dissertation	0	0	4	4	Compulsory	IFST & II	Coordinator IFST	mtfstcc, cdas			
40	IFST 020	Joint Degree Dissertation	0	0	9	9	Compulsory	IFST & IV	Coordinator IFST	mtfstcc, cdas			

**CLASSWISE TIME-TABLE: JAN-MAY 2025**

**II Year BTech (4th sem)**

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 208	CL 207	Minor II			CL 210H		
Tue		CL 205	CL 206	CL 208	Minor II			CL 211H		
Wed		CL 209	CL 205	CL 206	HS 1xx					
Thu	CL 207	CL 207	CL 205	CL 205	HS 1xx					
Fri	CL 207	CL 208	CL 207	Minor II	HS 1xx				CL 209	

**III Year Btech (6th Sem)**

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			OE xxx	D1	C1	B1	CL 305
Tue			CL 315H			OE xxx	C1	B1	CL 305	CL 304
Wed			CL 312			Minor IV	B1	CL 305	CL 304	CL 306
Thu			CL 313			Minor IV	A1	CL 304	CL 306	CL 306
Fri						Minor IV	OE xxx	D1	C1	B1

**IV Year Btech (8th Sem)**

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					OE xxx					
Tue					OE xxx					
Wed						HS 2xx				
Thu						HS 2xx				
Fri				OE xxx		HS 2xx				

**I Year 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					F	F1	D1	CL 504	B1	CL 506
Tue					F	F1	C1	B1	CL 506	CL 514
Wed					G	G1	B1	CL 506	CL 514	CL 503
Thu					G	G1	A1	CL 514	CL 503	CL 504
Fri				F	G	G1	F1	CL 503	CL 504	CL 599

**I Year 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					F	F1	D1	CL 504	B1	CL 505
Tue					F	F1	C1	B1	CL 505	E1
Wed			CL 598		G	G1	B1	CL 505	E1	CL 503
Thu					G	G1	A1	E1	CL 503	CL 504
Fri				F	G	G1	F1	CL 503	CL 504	CL 599

**I Year 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					F	F1	D1	CL 504	CL 653	A1
Tue					F	F1	CL 653	CL 653	A1	CL 654
Wed					G	G1	CL 653	A1	CL 654	CL 503
Thu					G	G1	CL 654	CL 654	CL 503	CL 504
Fri				F	G	G1	F1	CL 503	CL 504	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 650	CL 619 / CL 633	CL 613 / CL 656	CL 625 / CL 643	CL 611	D1	C1	CL 653	A1
Tue		CL 622	CL 650	CL 619 / CL 633	CL 625 / CL 643	CL 611	CL 653	CL 653	A1	CL 654
Wed			CL 622		CL 612 / CL 617	CL 640	CL 653	A1	CL 654	D1
Thu		CL 613 / CL 656	CL 650	CL 622	CL 612 / CL 617	CL 640	CL 654	CL 654	D1	C1
Fri		CL 619 / CL 633	CL 613 / CL 656	CL 625 / CL 643	CL 612 / CL 617	CL 640	CL 611	D1	C1	B1

**ROOMWISE TIME-TABLE: JAN-MAY 2025**

**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 208	CL 207			D1	C1	B1	CL 305
Tue		CL 205	CL 206	CL 208			C1	B1	CL 305	CL 304
Wed		CL 209	CL 205	CL 206			B1	CL 305	CL 304	CL 306
Thu	CL 207	CL 207	CL 205	CL 205			A1	CL 304	CL 306	CL 306
Fri	CL 207	CL 208	CL 207					CL 209		

**Room 4204 (Seating capacity: 96)**

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 633	CL 656				CL 504	CL 653	CL 505
Tue				CL 633			CL 653	CL 653	CL 505	CL 654
Wed					CL 612		CL 653	CL 505	CL 654	CL 503
Thu		CL 656			CL 612		CL 654	CL 654	CL 503	CL 504
Fri		CL 633	CL 656		CL 612			CL 503	CL 504	CL 599

**Room 4208 (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 650	CL 619	CL 613						CL 506
Tue		CL 622	CL 650	CL 619					CL 506	CL 514
Wed			CL 622		CL 617	CL 640		CL 506	CL 514	
Thu		CL 613	CL 650	CL 622	CL 617	CL 640		CL 514		
Fri		CL 619	CL 613		CL 617	CL 640				

**New Institute Class Timetable**

	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			
Thur	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			

New Institute Class Timetable										
	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
Monday	A	B	C	D	F	F1	D1	C1	B1	A1
	ML1			AL1						
Tuesday	E	A	B	C	F	F1	C1	B1	A1	E1
	ML2			AL2						
Wednesday	D	E	A	B	G	G1	B1	A1	E1	D1
	ML3			AL3						
Thursday	C	D	E	A	G	G1	A1	E1	D1	C1
	ML4			AL4						
Friday	B	C	D	F	G	G1	F1	D1	C1	B1
	ML5			AL5						

**4<sup>th</sup> Semester BTech/BDes**

Course	Class Slot	Exam Slot
HS 1xx HSS Elective-I Level-I (3-0-0-6)	G	G
Minor Course - II	F	F

**6<sup>th</sup> Semester BTech/BDes**

Course	Class Slot	Exam Slot
Minor Course - IV	G1	G1
OE xxx Open Elective (3-0-0-6)	F1	F1

**8<sup>th</sup> Semester BTech/BDes**

Course	Class Slot	Exam Slot
HS 2xx HSS Elective-II Level-I	G1	G1
OE xxx Open Elective (3-0-0-6)	F	F