

Name of the Academic Department / Center: Chemical Engineering													
Academic Year: 2024													
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	5005
2	CL 206	Solid Fluid Operations	3	0	0	6	Compulsory	Undergraduate & IV	Subrata K. Mazumder	skmaju	B	B	5005
3	CL 207	Computer Aided Numerical Methods	2	1	2	8	Compulsory	Undergraduate & IV	R. Anandalakshmi	anandalakshmi	D	D	5005
4	CL 208	Chemical Reaction Engineering I	2	1	0	6	Compulsory	Undergraduate & IV	Nageswara Rao Peela	peelanr	C	C	5005
5	CL 209	Process Equipment Design I	1	0	3	5	Compulsory	Undergraduate & IV	Mihir Kumar Purkait	mihir	E	E	5005
6	CL 210H	Laboratory 1: Fluid Mechanics	0	0	3	1.5	Compulsory	Undergraduate & IV	Prabu Vairakannu, Raghendra Gupta	guptar, v.prabu			
7	CL 211H	Laboratory 2: Heat Transfer	0	0	3	1.5	Compulsory	Undergraduate & IV	R. Prasanna V, Tapas K. Mandal	rprasanna, tapasche			
8	CL 304	Chemical Process Technology	3	0	0	6	Compulsory	Undergraduate & VI	Vimal Katiyar	vkatiyar	C1	C1	5005
9	CL 305	Transport Phenomena	2	1	0	6	Compulsory	Undergraduate & VI	Nanda Kishore	nkishore	A1	A1	5005
10	CL 306	Process Engineering & Economics	2	1	0	6	Compulsory	Undergraduate & VI	Sumit Kumar	s.kumar	D1	D1	5005
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	Mahua De, Vijay S. Moholkar	mahuya, vmoholkar			
13	CL 314H	Laboratory 5: Reaction Engineering	0	0	3	1.5	Compulsory	Undergraduate & VI	Pallab Ghosh, Pankaj Tiwari	pallabg, pankaj.tiwari			
14	CL 315H	Laboratory 6: Process Control	0	0	3	1.5	Compulsory	Undergraduate & VI	Pankaj Tiwari, Pallab Ghosh	pankaj.tiwari, pallabg			
15	CL 399	General Learning of Chemical Engineering Resear	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	5205
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	5205
19	CL 505	Petroleum Production Engineering	3	0	0	6	Compulsory	PST & II, (& Phd)	Abhijit Kakati	abhijitkakati	A1	A1	5205
20	CL 506	Smart Materials	3	0	0	6	Compulsory	MST & II, (& Phd, JBMSHST)	Partho S.G Pattader	psgp	A1	A1	5106
21	CL 514	Fundamentals of Material Science & Engineering	3	0	0	6	Compulsory	MST & II, (& Phd, JBMSHST)	Chandan Das	cdas	E1	E1	5106
22	CL 653	Applications of Artificial Intelligence and Machine	2	0	2	6	Compulsory & Dep. El	CAPE & II; UGe & (VI,VIII), MST & II, PST & II, PhD & all	Senthilmurugan S	senthilmurugan	B1	B1	5205
23	CL 654	Multiscale Modelling and Simulation	2	0	2	6	Compulsory & Dep. El	CAPE & II; UG & (VIII), MST & II, PST & II, PhD & all; (JBMSHST)	Amit Kumar & Raghendra Gupta	amitkumar, guptar	E1	E1	5205
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, PhD	Vaibhav V. Goud, Ramgopal Uppaluri	vvgoud, ramgopal			5205
26	CL 611	Advanced Process Control	3	0	0	6	Dept. Elective	UG & VI, VIII; MST & I, PST & I, CAPE & I, PhD & all	Saha, P	p.saha	D	D	5205
27	CL 613	Computational Fluid Dynamics	3	0	0	6	Dept. Elective	MST & II, PST & II, CAPE & II, PhD & all	Anugrah Singh	anugrah	D	D	5106
28	CL 617	Petrochemicals	3	0	0	6	Dept. Elective	PST & II, PhD	G. Pugazhenthii	pugal	B	B	5205
29	CL 619	Refinery Process Design	3	0	0	6	Dept. Elective	PST & II; PhD	Animes Kumar Golder	animes	C	C	5205
30	CL 622	Molecular simulations: Principles and Application	3	0	0	6	Dept. Elective	UG& VIII , MST & II, PST & II, CAPE & II, PhD & all	Ashok K. Dasmahapatra	akdm	G	G	5205
31	CL 625	Fundamentals of micro-nanofluidics & microfabri	3	0	0	6	Dept. Elective	UG & VI, VIII; MST & I, PST & II, CAPE & II, PhD & all; JBMSHST	Dipankar Bandyopadhyay	dipban	F	F	5205
32	CL 633	Applied Statistical Thermodynamics	3	0	0	6	Dept. Elective	UG & VIII, MST & II, PST & II, CAPE & II, PhD & all	Tamal Banerjee	tamalb	A	A	5205
33	CL 640	Research Methodology and Scientific Writing	3	0	0	6	Department Elective	PhD	Ramgopal Uppaluri, Vaibhav V. Goud	ramgopal; vvgoud	G1	G1	5205 --> 5005
34	CL 643	Computer Aided Applied Optimization	2	0	2	6	Open Elective & Dept.	Undergraduate & (VI,VIII), MST & II, PST & II, PhD & all	Prakash Kotecha,	pkotecha	F1	F1	--
35	CL 699	Project II	0	0	24	24	Compulsory	MST & II, PST & II, CAPE & II	DPCC	dpccchemical			
36	IFST 018	Joint Degree Dissertation	0	0	4	4	Compulsory	IFST & II	Coordinator IFST	mtfstcc			
37	IFST 020	Joint Degree Dissertation	0	0	9	9	Compulsory	IFST & IV	Coordinator IFST	mtfstcc			

**CLASSWISE TIME-TABLE: JAN-MAY 2024**

**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 205	CL 205	HS 1xx				CL 207 in Room 5106	
Fri		CL 208	CL 207	Minor II	HS 1xx				CL 209 in Room 5106	

**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	CL 304	B1	CL 305
Tue		CL 315H				OE xxx	C1	B1	CL 305	E1
Wed		CL 312				Minor IV	B1	CL 305	E1	CL 306
Thu		CL 313				Minor IV	A1	E1	CL 306	CL 304
Fri						Minor IV	OE xxx	CL 306	CL 304	B1

**IV Year 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						OE xxx				
Tue						OE xxx				
Wed						HS 2xx				
Thu						HS 2xx				
Fri						HS 2xx	OE xxx			

**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 506	B1	CL 504
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	B1

**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 505	B1	CL 504
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	B1

**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 653	CL 504
Tue					F	F1	CL 653	CL 653		CL 654
Wed					G	G1	CL 653		CL 654	CL 503
Thu					G	G1	CL 654	CL 654	CL 503	CL 504
Fri				F	G	G1	F1	CL 503	CL 504	B1

**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 617	CL 619	CL 611 / CL 613	CL 625	CL 643	D1	A1	CL 653	C1
Tue		CL 633	CL 617	CL 619	CL 625	CL 643	CL 653	CL 653	A1	CL 654
Wed			CL 633		CL 622	CL 640	CL 653	A1	CL 654	D1
Thu		CL 611 / CL 613	CL 617	CL 633	CL 622	CL 640	CL 654	CL 654	D1	C1
Fri		CL 619	CL 611 / CL 613	CL 625	CL 622	CL 640	CL 643	D1	C1	CL 640 & CL 599 (SPM-7PM)

**ROOMWISE TIME-TABLE: JAN-MAY 2024**

**Room 5005 (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 640	CL 206	CL 208	CL 207			D1	CL 304	B1	CL 305
Tue	CL 640	CL 205	CL 206	CL 208			C1	B1	CL 305	E1
Wed	CL 640	CL 209	CL 205	CL 206			B1	CL 305	E1	CL 306
Thu		CL 207	CL 205	CL 205			A1	E1	CL 306	CL 304
Fri		CL 208	CL 207					CL 306	CL 304	B1

**Room 5205 (Seating capacity: 112)**

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	1st Year Tutorial	CL 617	CL 619	CL 611	CL 625			CL 505	CL 653	CL 504
Tue		CL 633	CL 617	CL 619	CL 625		CL 653	CL 653	CL 505	CL 654
Wed			CL 633		CL 622		CL 653	CL 505	CL 654	CL 503
Thu		CL 611	CL 617	CL 633	CL 622		CL 654	CL 654	CL 503	CL 504
Fri		CL 619	CL 611	CL 625	CL 622			CL 503	CL 504	CL599 (SPM-7PM)

**Room 5106 (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	1st Year Tutorial			CL 613	OE	OE		CL 506		
Tue					OE	OE			CL 506	CL 514
Wed						HS	HS		CL 506	CL 514
Thu		CL 613				HS	HS		CL 514	CL 207
Fri			CL 613	OE	HS	HS	OE		CL 209	

**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		