

Name of the Academic Department / Center: Chemical Engineering

Academic Year: 2023

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 | Kaustubha Mohanty | 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_pkotecha | 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 | Omkar Deshmukh, R. Prasanna V | o.deshmukh, rprasanna | | | |
| 7 | CL 211H | Laboratory 2: Heat Transfer | 0 | 0 | 3 | 1.5 | Compulsory | Undergraduate & IV | Animes Kumar Golder, Bishnupada Mandal | animes, bpmandal | | | |
| 8 | CL 304 | Chemical Process Technology | 3 | 0 | 0 | 6 | Compulsory | Undergraduate & VI | Ramgopal Uppaluri | ramgopal | 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 | Raghvendra Gupta, R. Anandalakshmi, Tamal Banerjee | guptar, anandalakshmi, tamalb | | | |
| 12 | CL 313 | Laboratory 4: Mass Transfer | 0 | 0 | 3 | 3 | Compulsory | Undergraduate & VI | Chandan Das, Prabu Vairakannu | cdas, v.prabu | | | |
| 13 | CL 314H | Laboratory 5: Reaction Engineering | 0 | 0 | 3 | 1.5 | Compulsory | Undergraduate & VI | Bishnupada Mandal, Animes Kumar Golder | bpmandal, animes | | | |
| P | CL 315H | Laboratory 6: Process Control | 0 | 0 | 3 | 1.5 | Compulsory | Undergraduate & VI | Prabir kumar Saha, Tapas K. Mandal | p_saha, tapasche | | | |
| 15 | CL 399 | General Learning of Chemical Engineering Research Project - II | 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 | Omkar Deshmukh | o.deshmukh | D1 | D1 | 4202 |
| 18 | CL 504 | Advanced reaction Engineering | 3 | 0 | 0 | 6 | Compulsory | MST & II, PST & II, CAPE & II | Prabu Vairakannu | v.prabu | C1 | C1 | 4202 |
| 19 | CL 505 | Petroleum Production Engineering | 3 | 0 | 0 | 6 | Compulsory | PST & II | Abhijit Kakati | abhijitkakati | F1 | F1 | 4202 |
| 20 | CL 506 | Smart Materials | 3 | 0 | 0 | 6 | Compulsory | MST & II | Partho S.G Pattader | psgp | A1 | A1 | 4003 |
| 21 | CL 514 | Fundamentals of Material Science & Engineering | 3 | 0 | 0 | 6 | Compulsory | MST & II | R. Prasanna V | rprasanna | F1 | F1 | 4003 |
| 22 | CL 653 | Applications of Artificial Intelligence and Machine Learning in Chemica | 2 | 0 | 2 | 6 | Compulsory & Dep. El | CAPE & II; Undergraduate & (VI,VIII), MST & II, PST & II, PhD & all | Senthilmurugan S | senthilmurugan | B1 | B1 | 4004 |
| 23 | CL 654 | Multiscale Modelling and Simulation | 2 | 0 | 2 | 6 | Compulsory & Dep. El | CAPE & II; Undergraduate & (VI,VIII), MST & II, PST & II, PhD & all | Amit Kumar & Raghvendra Gupta | amitkumar, guptar | A1 | A1 | 4004 |
| 24 | CL 598 | Petroleum Laboratory | 0 | 0 | 3 | 3 | Compulsory | PST & II | G. Pugazhenti & Abhijit Kakati | pugal & abhijitkakati | | | |
| 25 | CL 599 | Scientific Communications | 0 | 0 | 2 | 2 | Compulsory | MST & II, PST & II, CAPE & II, PhD | Vimal Katiyar | vkatiyar | | | 4202 |
| 26 | CL 612 | Colloid and Interface Science | 3 | 0 | 0 | 6 | Open Elective & Dept | Undergraduate & (VI,VIII), Post Graduate & II, PhD & all | Pallab Ghosh | pallabg | F1 | F1 | 501 |
| 27 | CL 617 | Petrochemicals | 3 | 0 | 0 | 6 | Dept. Elective | Undergraduate & VIII, MST & II, PST & II, CAPE & II, PhD & all | Vijay S. Moholkar | vmoholkar | G | G | 4202 |
| 28 | CL 618 | Natural Gas Engineering | 3 | 0 | 0 | 6 | Dept. Elective | Undergraduate & VIII, MST & II, PST & II, CAPE & II, PhD & all | Pankaj Tiwari | pankaj.tiwari | A | A | 4202 |
| 30 | CL 622 | Molecular simulations: Principles and Applications | 3 | 0 | 0 | 6 | Dept. Elective | Undergraduate & VIII, MST & II, PST & II, CAPE & II, PhD & all | Ashok K. Dasmahapatra | akdm | G | G | 4003 |
| 31 | CL 625 | Fundamentals of micro-nanofluidics & microfabrication | 3 | 0 | 0 | 6 | Open Elective & Dept | Undergraduate & (VI,VIII), MST & II, PST & II, CAPE & II, PhD & all | Dipankar Bandyopadhyay | dipban | F1 | F1 | 5005 |
| 32 | CL 626 | Energy Resources | 3 | 0 | 0 | 6 | Dept. Elective | Undergraduate & VIII, MST & II, PST & II, CAPE & II, PhD & all | Vaibhav V. Goud | vvgoud | B | B | 4003 |
| 33 | CL 628 | Catalysis and adsorbents | 3 | 0 | 0 | 6 | Dept. Elective | Undergraduate & (VI,VIII), MST & II, PST & II, CAPE & II, PhD & all | Mahuya De | mahuya | F | F | 4202 |
| 34 | CL 633 | Applied Statistical Thermodynamics | 3 | 0 | 0 | 6 | Dept. Elective | Undergraduate & VIII, MST & II, PST & II, CAPE & II, PhD & all | Tamal Banerjee | tamalb | D | D | 4003 |
| 35 | CL 643 | Computer aided applied optimization | 2 | 0 | 2 | 6 | Open Elective & Dept. | Undergraduate & (VI,VIII), MST & II, PST & II, PhD & all | Prakash Kotecha, R. Anandalakshmi, | pkotecha, anandalakshmi | F | F | 402 |
| 36 | CL 650 | Quantum technologies in chemical engineering | 3 | 0 | 0 | 6 | Dept. Elective | Undergraduate & VIII, MST & II, PST & II, CAPE & II, PhD & all | Tapas K. Mandal | tapasche | B | B | 4004 |
| 37 | CL 699 | Project II | 0 | 0 | 24 | 24 | Compulsory | MST & II, PST & II | DPPC | dpcc.chemical | | | |
| 38 | IFST 018 | Joint Degree Dissertation | 0 | 0 | 4 | 4 | Compulsory | IFST & II | Coordinator IFST | mfstcc | | | |
| 39 | IFST 020 | Joint Degree Dissertation | 0 | 0 | 9 | 9 | Compulsory | IFST & IV | Coordinator IFST | mfstcc | | | |

CLASSWISE TIME-TABLE: JAN-MAY 2023

II 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 | | CL 205 | CL 206 | CL 207 | Minor II | | | CL 210H | | |
| Tue | | CL 205 | CL 208 | CL 207 | Minor II | | | CL 211H | | |
| Wed | | CL 205 | CL 208 | | HS 1xx | | | | CL 205 in 2201 | |
| Thu | | CL 206 | CL 208 | CL 209 | HS 1xx | | | CL 209 | | |
| Fri | | CL 206 | CL 207 | Minor II | HS 1xx | | CL 207 | | | |

III 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 | | CL 314H | | | | | CL 305 | | CL 304 | OE 3xx |
| Tue | | CL 315H | | | | | CL 305 | CL 304 | CL 306 | OE 3xx |
| Wed | | CL 313 | | | | | CL 305 | CL 304 | CL 306 | Minor IV |
| Thu | | CL 312 | | | | | | | | Minor IV |
| Fri | | | CL 306 in 4202 | | | | | | OE 3xx | Minor IV |

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 | | | | 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 | | | | | | | CL 506 | | CL 503 | CL 514 |
| Tue | | | | | | | CL 506 | CL 504 | CL 503 | CL 514 |
| Wed | | | | | | | CL 506 | CL 504 | CL 599 | |
| Thu | | | | | | | | CL 504 | | |
| Fri | | | | | | | | CL 503 | CL 514 | |

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 | | | | | | | | | CL 503 | CL 505 |
| Tue | | | | | | | | CL 504 | CL 503 | CL 505 |
| Wed | | CL 598 | | | | | | CL 504 | CL 599 | |
| Thu | | | | | | | | CL 504 | | |
| Fri | | | | | | | | CL 503 | CL 505 | |

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 | | | | | | | | | CL 503 | CL 653 |
| Tue | | | | | | | CL 654 | CL 504 | CL 503 | CL 653 |
| Wed | | | | | | | CL 654 | CL 504 | CL 599 | |
| Thu | | | | | | | | CL 504 | CL 654 | CL 654 |
| Fri | | | | | | | | CL 503 | CL 653 | |

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 618 | CL 650 / CL 626 | CL 633 | CL 628 / CL 643 | | | CL 653 | | CL 612 / CL 625 |
| Tue | | CL 618 | CL 650 / CL 626 | CL 633 | CL 628 / CL 643 | | CL 654 | | | CL 612 / CL 625 |
| Wed | | | | | CL 617 / CL 622 | | CL 654 | | CL 654 | CL 654 |
| Thu | | CL 618 | | | CL 617 / CL 622 | | CL 653 | | | |
| Fri | | CL 650 / CL 626 | CL 633 | CL 628 / CL 643 | CL 617 / CL 622 | | CL 653 | | CL 612 / CL 625 | |

ROOMWISE TIME-TABLE: JAN-MAY 2023

Room5005 (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 205 | CL 206 | CL 207 | | | CL 305 | | CL 304 | CL 625 |
| Tue | | CL 205 | CL 208 | CL 207 | | | CL 305 | CL 304 | CL 306 | CL 625 |
| Wed | | CL 205 | CL 208 | | | | CL 305 | CL 304 | CL 306 | |
| Thu | | CL 206 | CL 208 | CL 209 | | | CL 209 | | | |
| Fri | | CL 206 | CL 207 | | | | CL 207 | | CL 625 | |

Room 4004 (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 653 | | |
| Tue | | | CL 650 | | | | CL 654 | | | |
| Wed | | | | | | | CL 654 | | | |
| Thu | | | | | | | CL 653 | | CL 654 | CL 654 |
| Fri | | CL 650 | | | | | CL 653 | | | |

Room 4202 (Seating capacity: 121)

| 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 618 | | | CL 628 | | CL 506 | | CL 503 | CL 505 |
| Tue | | CL 618 | | | CL 628 | | CL 506 | CL 504 | CL 503 | CL 505 |
| Wed | | | | | CL 617 | | CL 506 | CL 504 | CL 599 | |
| Thu | | CL 618 | | | CL 617 | | | CL 504 | | |
| Fri | | | CL 306 | CL 628 | CL 617 | | | CL 503 | CL 505 | |

Room 4003 (Seating capacity: 40)

| 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 626 | CL 633 | | | | | | CL 514 |
| Tue | | | CL 626 | CL 633 | | | | | | CL 514 |
| Wed | | | | | CL 622 | | | | | |
| Thu | | | | | CL 622 | | | | | |
| Fri | | CL 626 | CL 633 | | CL 622 | | | | CL 514 | |

Institute Class Timetable

| Day | 08:00-08:55 (Tutorial) | 9-9:55 | 10-10:55 | 11-11:55 | 12-12:55 | 1-1:55 | 2-2:55 | 3-3:55 | 4-4:55 | 5-5:55 |
|-----------|---------------------------|--------|----------|----------|----------|-------------|--------|--------|--------|--------|
| Monday | C, C1 | A | B | D | F | Lunch Break | A1 | B1 | D1 | F1 |
| Tuesday | E, E1 | A | C | D | F | | A1 | C1 | D1 | F1 |
| Wednesday | B, B1 | A | C | E | G | | A1 | C1 | E1 | G1 |
| Thursday | D, D1 | B | C | E | G | | B1 | C1 | E1 | G1 |
| Friday | A, A1 | B | D | F | G | | B1 | D1 | F1 | G1 |

Faculty-wise course load Jan-May 2023

| Sl. No. | Faculty | Course No. | Course Name | L | T | P | C | Core/Elec/Lab | Offered to Whom (Program & Semester) |
|---------|-----------------------|------------|--|---|---|---|-----|---|--|
| 1 | Amit Kumar | CL 654 | Multiscale Modelling and Simulation | 2 | 0 | 2 | 6 | Compulsory & Dep. Electives | CAPE & II ; MST & II, PST & II, PhD |
| 2 | Abhijit Kakati | CL 598 | Petroleum Laboratory | 0 | 0 | 3 | 3 | Compulsory | PST & II |
| | | CL 505 | Petroleum Production Engineering | 3 | 0 | 0 | 6 | Compulsory | PST & II |
| 3 | Animes K. Golder | CL 211H | Laboratory 2: Heat Transfer | 0 | 0 | 3 | 1.5 | Compulsory | Undergraduate & IV |
| | | CL 314H | Laboratory 5: Reaction Engineering | 0 | 0 | 3 | 1.5 | Compulsory | Undergraduate & VI |
| 4 | Anugrah Singh | - | | | | | | | |
| 5 | A K. Dasmahapatra | CL 622 | Molecular simulations: Principles and Applications | 3 | 0 | 0 | 6 | Dept. Elective | Undergraduate & (VI,VIII) , MST & II, PST & II, CAPE & II, PhD & all |
| 6 | Bishnupada Mandal | CL 314H | Laboratory 5: Reaction Engineering | 0 | 0 | 3 | 1.5 | Compulsory | Undergraduate & VI |
| | | CL 211H | Laboratory 2: Heat Transfer | 0 | 0 | 3 | 1.5 | Compulsory | Undergraduate & IV |
| 7 | Chandan Das | CL 313 | Laboratory 4: Mass Transfer | 0 | 0 | 3 | 3 | Compulsory | Undergraduate & VI |
| 8 | D Bandyopadhyay | CL 625 | Fundamentals of micro-nanofluidics & microfabrication | 3 | 0 | 0 | 6 | Open Elective & Dept. Elective | Undergraduate & (VI,VIII), MST & II, PST & II, CAPE & II, PhD & all |
| 9 | G. Pugazhenti | CL 598 | Petroleum Laboratory | 0 | 0 | 3 | 3 | Compulsory | PST & II |
| 10 | Kaustubha Mohanty | CL 205 | Mass Transfer Operations I | 3 | 1 | 0 | 8 | Compulsory | Undergraduate & IV |
| 11 | Mahuya De | CL 628 | Catalysis and adsorbents | 3 | 0 | 0 | 6 | Dept. Elective | Undergraduate & (VI,VIII), MST & II, PST & II, CAPE & II, PhD & all |
| 12 | Mihir Kumar Purkait | CL 209 | Process Equipment Design I | 1 | 0 | 3 | 5 | Compulsory | Undergraduate & IV |
| 13 | Nanda Kishore | CL 305 | Transport Phenomena | 2 | 1 | 0 | 6 | Compulsory | Undergraduate & VI |
| 14 | N R Peela | CL 208 | Chemical Reaction Engineering I | 2 | 1 | 0 | 6 | Compulsory | Undergraduate & IV |
| 15 | Omkar S. Deshmukh | CL 210H | Laboratory 1: Fluid Mechanics | 0 | 0 | 3 | 1.5 | Compulsory | Undergraduate & IV |
| | | CL 503 | Advanced Thermodynamics | 3 | 0 | 0 | 6 | Compulsory | MST & II, PST & II, CAPE & II |
| 16 | Pallab Ghosh | CL 612 | Colloid and Interface Science | 3 | 0 | 0 | 6 | Open Elective & Dept. Elective | Undergraduate & (VI,VIII), Post Graduate & II, PhD & all |
| 17 | Pankaj Tiwari | CL 618 | Natural Gas Engineering | 3 | 0 | 0 | 6 | Dept. Elective | Undergraduate & VIII , MST & II, PST & II, CAPE & II, PhD & all |
| 18 | Partho S. G. Pattader | CL 506 | Smart Materials | 3 | 0 | 0 | 6 | Compulsory | MST & II |
| 19 | Prabir kumar Saha | CL 315H | Laboratory 6: Process Control | 0 | 0 | 3 | 1.5 | Compulsory | Undergraduate & VI |
| 20 | Prabu Vairakannu | CL 313 | Laboratory 4: Mass Transfer | 0 | 0 | 3 | 3 | Compulsory | Undergraduate & VI |
| | | CL 504 | Advanced reaction Engineering | 3 | 0 | 0 | 6 | Compulsory | MST & II, PST & II, CAPE & II |
| 21 | Prakash Kotecha | CL 643 | Computer aided applied optimization | 2 | 0 | 2 | 6 | Open Elective& Dept. Elective | Undergraduate & (VI,VIII), MST & II, PST & II, PhD & all |
| 22 | R V S Uppaluri | CL 304 | Chemical Process Technology | 3 | 0 | 0 | 6 | Compulsory | Undergraduate & VI |
| 23 | R. Anandalakshmi | CL 207 | Computer Aided Numerical Methods | 2 | 1 | 2 | 8 | Compulsory | Undergraduate & IV |
| | | CL 312 | Computer Aided Process Equipmen Design | 0 | 0 | 3 | 3 | Compulsory | Undergraduate & VI |
| 24 | R. Prasanna V. | CL 210H | Laboratory 1: Fluid Mechanics | 0 | 0 | 3 | 1.5 | Compulsory | Undergraduate & IV |
| | | CL 514 | Fundamentals of Material Science & Engineering | 3 | 0 | 0 | 6 | Compulsory | MST & II |
| 25 | Raghendra Gupta | CL 312 | Computer Aided Process Equipmen Design | 0 | 0 | 3 | 3 | Compulsory | Undergraduate & VI |
| | | CL 654 | Multiscale Modelling and Simulation | 2 | 0 | 2 | 6 | Compulsory & Dep. Electives | CAPE & II ; MST & II, PST & II, PhD |
| 26 | Senthilmurugan S | CL 653 | Applications of Artificial Intelligence and Machine Learning | 2 | 0 | 2 | 6 | Compulsory & Dep. Electives | CAPE & II ; MST & II, PST & II, PhD |
| 27 | S K. Mazumder | CL 206 | Solid Fluid Operations | 3 | 0 | 0 | 6 | Compulsory | Undergraduate & IV |
| 28 | Sumit Kumar | CL 306 | Process Engineering & Economics | 2 | 1 | 0 | 6 | Compulsory | Undergraduate & VI |
| 29 | Tamal Banerjee | CL 312 | Computer Aided Process Equipmen Design | 0 | 0 | 3 | 3 | Compulsory | Undergraduate & VI |
| 30 | Tapas K. Mandal | CL 315H | Laboratory 6: Process Control | 0 | 0 | 3 | 1.5 | Compulsory | Undergraduate & VI |
| 31 | Vaibhav V. Goud | CL 626 | Energy Resources | 3 | 0 | 0 | 6 | Dept. Elective | Undergraduate & VIII , MST & II, PST & II, CAPE & II, PhD & all |
| 32 | V. S. Moholkar | CL 617 | Petrochemicals | 3 | 0 | 0 | 6 | Dept. Elective | Undergraduate & VIII , MST & II, PST & II, CAPE & II, PhD & all |
| 33 | Vimal Katiyar | CL 599 | Scientific Communications | 0 | 0 | 2 | 2 | Compulsory | MST & II, PST & II, CAPE & II, PhD |