INDIAN INSTITUTE OF TECHNOLOGY- DELHI
Department of Chemical Engineering

Course Work for PhD Students Admitted to Semester I of 2020-21 Onwards*

1. All courses should be completed before the comprehensive examination by full time (FT) and part time (PT) students†

	Course No.	Course Title	Credits	Credit Requirement
1	CLL 701	Modelling of Transport Processes	2	2‡ (any one course can be taken)
2	CLL 702	Principles of Thermodynamics, Reaction Kinetics & Reactors	2	
3.	CLL 7xx	Any one 700 level course of the Department relevant to the research topic	3	3
4.	CLL7xx	Any one 700 level course of the Department relevant to the research topic	3	3
Total Credit Requirement for DGPA (as mentioned in the green color PG-7 form)				8

Other Courses (Non-graded)

2. HSL- 800 (Communication skills) – offered every semester for FT and PT§ students
3. CLP704 (Technical Communication for Chemical Engineers) – offered in even semester for FT students only.
4. DTD- 899 (Doctoral Thesis) – for both FT and PT, register every semester till thesis submission

General Note on the Continuation/Termination of the PhD Program:

1. PhD student need to have a SGPA>6 at the end of first semester, and CGPA>7 at the end of second semester onwards otherwise the registration is terminated.
2. Comprehensive exam should be completed within 18 months of registration for FT and 24 months for PT students. Otherwise registration may get terminated.
3. As soon as the student completes the credit requirement as written in the PG-7 form, the DGPA is calculated from the (CLL7xx) courses in which the student has got the best grades, satisfying the Table above (which include one of the CLL701 or 702 course). If DGPA < 7.5, the student is allowed to continue to the next semester to do additional CLL7xx courses to improve the DGPA (calculated again the same way and the fellowship may be discontinued), till the end of 18 months for FT and 24 months for PT students. If the DPGA > 7.5, then student is allowed to take his/her comprehensive examination, subject to the fulfillment of the completion of the other non-graded (HSL-800 and/or CLP704) courses.

Course Work for Students Entering with a B.Tech. Degree. Student with a B.Tech. only degree has to complete 20 credits of courses. Out of which 8 credits are completed as described in the Table above. In addition, one more 3 credit 700 level course has to be taken from the Department. Remaining 9 credit of courses may be taken as any 700 or 800 level courses of the department and/or institute.

Formation of Student Research Committee (SRC): The SRCs must be formed within first three months of joining the Ph.D. program. The requirement of 8 (or 20) credits must be prescribed on the form for SRC formation.

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* As approved by the Department Faculty Board (DFB) on 16.07.2020. Detailed guidelines for course work, rules and regulations for PhD program are provided in the "Courses of Study".

† All Ph.D. students should submit a copy of their transcript when submitting their comprehensive and synopsis reports.

‡ For students completing their MTech. degree from IIT Delhi, who have done equivalent CLL701 and CLL702 courses, a waiver may be requested through DRC and any 700 level course of the department may be completed to fulfil the credit requirement.

§ PT students, who are not able to attend HSL- 800, may give a seminar to the SRC to request a waiver through DRC.

Submission of End-semester Progress Reports

1. All FT and PT students must submit an online progress report at the end of every semester i.e. in the months of July and December every year, starting from their first semester till the submission of Ph.D. thesis.
2. All FT and PT students, who have completed their comprehensive examination, must submit a written progress report to their SRC members and give a SRC presentation (in the oral or poster format) every semester.** This should be done till their synopsis is completed. Oral SRC presentations are conducted for students having an even entry number in the first semester and those having an odd entry number in the second semester of the academic year.

Seminars

1. All FT Ph.D. students must present a seminar in the department, as a part of 'ChE Graduate Seminar Series' once in a cycle of 1.5 – 2 years, after completion of the comprehensive examination. The schedule of such ChE Graduate seminars is announced in the beginning of every year.

2. All FT Ph.D. students must attend at least 50 % of the compulsory seminars (ChE Graduate seminars, Seminars given by invited speakers, Ph.D. synopsis and Ph.D. defence seminars). If a full time student fails to attend 50% of these seminars for two consecutive semesters, the SRC/DRC may award an unsatisfactory (U) grade for that semester. The compulsory seminars will be clearly announced by the faculty in-charge of the seminars and Ph.D. co-ordinator. This also applies to new students who are doing their coursework and also to the students who have submitted their synopsis.

Head of the Department

** Students, who will complete their comprehensive examination in a semester, may not give SRC presentation for that semester. Also, students who have submitted their synopsis need not give SRC presentations. The students, whose synopsis seminar is scheduled within 30 days after the last date of submission of progress reports for that semester, need not give the SRC presentation. Students who are on long research leaves (research-stays abroad, international exchange programmes) and on long special leaves (e.g. maternity leaves, medical leaves etc.) will have to give SRC presentation immediately on their return.