



भारतीय प्रौद्योगिकी संस्थान गुवाहाटी

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ACADEMIC AFFAIRS

Notice

Date: 19.08.2020

Ref: IITG/Acad./Course Reshuffle/9480

Sub.: Details of "RESHUFFLED COURSES" i.e. theory courses in lieu of lab courses reshuffled between July-Dec 2020 and Jan-May 2021.

Ref.: Follow-up action of Agenda No. 2 of 111thIUPC & 105th IPPC held on 6th August and 11th August, 2020 respectively.

It is informed that the following consolidated list (ANNEXURE -A), Lab based courses of July-Dec 2020 has been reshuffled with theory based courses of Jan-May 2021 or has been shifted to Jan-May 2021 semester as per IUPC resolution no. R.111/2/2020 and IPPC resolution R.105/2/2020 respectively.

This is issued with approval of the competent authority.

JR(Acad)

Joint Registrar (Academic Affairs)
Indian Institute of Technology Guwahati
Guwahati-781039, INDIA

ANNEXURE-A

Department Name: BSBE

RESHUFFLED COURSE LIST ACADEMIC YEAR 2020-21

S.No	Course in July-Dec 2020 to be shifted to Jan-May 2021				Alternative course shifted from Jan-May 2021 to July-Dec 2020 (If any)			
	Program and Semester	Course Name	L-T-P-C	Exam Slot	Program and Semester	Course Name	L-T-P-C	Exam Slot
1	B.Tech and 5 th Sem	Biochemical Engineering Lab (BT 311)	0-0-6-6	NA	B.Tech and 6 th Sem	Computational Biology (BT 305)	2-0-2-6	E1
2	B.Tech and 5 th Sem	Analytical Biotechnology Lab (BT 312)	0-0-6-6	NA	B.Tech and 6 th Sem	Bioengineering (BT 308)	3-0-0-6	F1
3	M.Tech and 1 st Sem	Analytical Biotechnology Lab (BT 510)	0-0-6-6	NA	M.Tech and 2 nd Sem	Biomolecular and Cellular Process Engineering (BT 504)	3-0-0-6	B1

*NA Not applicable

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Department Name: Chemistry

Reshuffled Chemistry Courses

Sn	Program and Semester	Course in July-Dec 2020 to be shifted to Jan-May 2021			Alternative course shifted from Jan-May 2021 to July-Dec 2020 (If any)		
		Course Name	L-T-P-C	Exam Slot	Course Name	L-T-P-C	Exam Slot
1	Btech, V semester	CH314, Chemical Technology Lab - II (Inorganic)	0-0-6-6		CH 335, Application of Nanomaterials	3-0-0-6	D1
2	MSc, I Semester	CH 435, Physical Chemistry Laboratory	0-0-9-9		CH 433, Applications of Spectroscopy	3-1-0-8	D
3	MSc, III semester	CH 515, Inorganic Chemistry Laboratory	0-0-9-9		CH 500, Graduate seminar <u>AND</u> CH 621, Modern Reagents in Organic Synthesis (Elective 1), <u>OR</u> CH 623, Supramolecular Chemistry (Elective 2)	0-0-2-2 <u>AND</u> 3-0-0-6 <u>OR</u> 3-0-0-6	NA <u>AND</u> D1 <u>OR</u> D1

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Department Name: Chemistry

More PhD Electives for July 2020 semester:

To distribute symmetrical course load in two semesters (July-Dec 2020 and Jan-May 2021) within the Department, **two (02)** Ph.D. electives have been shifted from Jan-May 2021 to July-Dec 2020 semester. These are given in the table below.

1	CH636	A Fundamental Approach to Physical Chemistry	3-0-0-6	Dept. Elective	PhD	Exam slot D1
2	CH628	Chemistry of Biological Macromolecules	3-0-0-6	Dept. Elective	PhD	F1

- Thus, total no. of Ph.D. elective courses to be floated in this July-Dec 2020 semester is 6 *i.e.* more than normal time.
- On the other hand, less no. of courses (less than normal time) (04) will be floated in the Jan-May 2021 semester as there will be more course load for the Department for running CH001, CH101 and CH110 courses in that semester.

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Department Name: Chemical Engineering

Sn	Program and Semester	Course in July-Dec 2020 to be shifted to Jan-May 2021			Alternative course shifted from Jan-May 2021 to July-Dec 2020 (If any)		
		Course Name	L-T-P-C	Exam Slot	Course Name	L-T-P-C	Exam Slot
1	BTech CL, Sem 7	CL 416 – Process Control Lab	0-0-3-3	-	CL XXX – Department Elective II		
		CL 417 – Chemical Reaction Engineering Lab	0-0-3-3	-	a) CL 611 - Advanced Process Control b) CL 612 - Colloid and Interface Science c) CL 613 - Computational Fluid Dynamics d) CL 614 - Fluidization Engineering e) CL 623 - Polymer Science & Technology f) CL 629 - Membranes g) CL 630 - Composite Materials h) CL 636 - Microelectronic Fabrication i) CL 643 - Computer Aided Applied Optimization	3-0-0-6 3-0-0-6 3-0-0-6 3-0-0-6 3-0-0-6 3-0-0-6 3-0-0-6 3-0-0-6 2-0-2-6	E A1 --- E --- --- F1 A1 ---
2	BTech CL, Sem 5	CL 310 – Solid Fluid Operations	0-0-3-3	-	CL XXX – Department Elective I a) CL 612 - Colloid and Interface Science b) CL 613 - Computational Fluid Dynamics	3-0-0-6 3-0-0-6	A1 ---

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					c) CL 614 - Fluidization Engineering d) CL 623 - Polymer Science & Technology e) CL 629 - Membranes f) CL 630 - Composite Materials g) CL 636 - Microelectronic Fabrication h) CL 643 - Computer Aided Applied Optimization	3-0-0-6 3-0-0-6 3-0-0-6 3-0-0-6 3-0-0-6 2-0-2-6	E --- --- F1 A1 ---
3	MTech MST – Sem 1 MTech PST – Sem 1	CL-502 – Computer Aided Numerical Methods	2-1-2-8	B	CL 6XX – Elective II a) CL 611 - Advanced Process Control b) CL 612 - Colloid and Interface Science c) CL 613 - Computational Fluid Dynamics d) CL 614 - Fluidization Engineering e) CL 623 - Polymer Science & Technology f) CL 629 - Membranes g) CL 630 - Composite Materials h) CL 636 - Microelectronic Fabrication i) CL 643 - Computer Aided Applied Optimization	3-0-0-6 3-0-0-6 3-0-0-6 3-0-0-6 3-0-0-6 3-0-0-6 3-0-0-6 2-0-2-6	E A1 --- E --- --- F1 A1 ---

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Department Name: Design

Sn	Program and Semester	Course in July-Dec 2020 to be shifted to Jan-May 2021			Alternative course shifted from Jan-May 2021 to July-Dec 2020 (If any)		
		Course Name	L-T-P-C	Exam Slot	Course Name	L-T-P-C	Exam Slot
1.	BDes- 3 rd Semester	DD 201: Form Studies	0-2-4-8	Studio course: No written examination			
2.	BDes- 5 th Semester *	DD 321: (PD) Modelling & Simulation Techniques	0-1-4-6				
3.	BDes- 5 th Semester *	DD 322: (VC) Animation Fundamentals	0-1-4-6				

* B. Des 5th semester students have to register for either DD 321 **OR** DD 322.

DD 201, DD 321 and DD 322 mentioned in the table will be conducted in Jan-May 2021 semester.

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Department Name: Electronics and Electrical Engineering, IIT Guwahati

Sn	Program and Semester	Course in July-Dec 2020 to be shifted to Jan-May 2021				Alternative course shifted from Jan-May 2021 to July-Dec 2020 (If any)		
		Course Name		L-T-P-C	Exam Slot	Course Name	L-T-P-C	Exam Slot
1	B.Tech.(ECE and EEE) and III	EE211	Digital Circuits Laboratory	0-0-3-3				
2	B.Tech.(ECE and EEE) and V	EE351	Control and Robotics Lab	0-0-3-3				
3	B.Tech.(EEE) and VII	EE482	Advanced Electrical Engineering Laboratory	0-0-3-3				
4	B.Tech.(ECE) and VII	EE442	Microwave Engineering Laboratory	0-0-3-3				
5	M.Tech. (PE) and I	EE561	Power Electronics Laboratory	0-0-3-3				
6	M.Tech. (SCA) and I	EE552	Applied Control Lab	0-0-3-3				

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Department Name: Physics

Sn	Program and Semester	Course in July-Dec 2020 to be shifted to Jan-May 2021			Alternative course shifted from Jan-May 2021 to July-Dec 2020 (If any)		
		Course Name	L-T-P-C	Exam Slot	Course Name	L-T-P-C	Exam Slot
1	BTech 3 rd semesters	PH211 (Electronics Lab 1)	0-0-4-4				
2	BTech 5 th semesters	PH309 (General Physics Lab)	0-0-6-6				
3	BTech 7 th -8 th semesters	PH417 Advanced Physics Laboratory	0-0-6-6		PH414 Nanoelectronics and Nanophotonics	3-0-0-6	F1
4	MSc 1 st semester	PH411 Electronics Laboratory	0-0-6-6				
5	MSc 3 rd -4 th semester	PH511 General Physics Laboratory	0-0-6-6		PH5xx Department Elective**	3-0-0-6	F1

** Two electives will run: PH521 Topics in Condensed Matter Physics and PH543 Quantum Field Theory. Students can choose only one. Thus there will be no imbalance in credits.

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Department Name: **Mechanical Engineering**

Sn	Program and Semester	Course in July-Dec 2020 to be shifted to Jan-May 2021			Alternative course shifted from Jan-May 2021 to July-Dec 2020 (If any)		
		Course Name	L-T-P-C	Exam Slot	Course Name	L-T-P-C	Exam Slot
1	Third Semester B. Tech. Mech. Engg New (revised) syllabus	ME 215 Machine Drawing ME 216 Mechanical Engineering Lab-I	0-0-3-3 0-0-3-3		ME 222 Manufacturing Technology-I	3-0-0-6	D
2	Fifth semester B. Tech. Mech. Engg New (revised) syllabus	ME 315 Mechanical Lab-III	0-0-3-3		Nil		
3	Seventh semester B. Tech. Mech. Engg Old syllabus	ME 412 Mechanical Lab-IV	0-0-3-3		Nil		

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Department Name: Civil Engineering

Sn	Program and Semester	Course in July-Dec 2020 to be shifted to Jan-May 2021			Alternative course shifted from Jan-May 2021 to July-Dec 2020 (If any)		
		Course Name	L-T-P-C	Exam Slot	Course Name	L-T-P-C	Exam Slot
1	B.Tech., 3 rd and 4 th semesters	CE212 - Civil Engineering Materials	0-0-3-3				
2	B.Tech., 3 rd and 4 th semesters	CE214 – Fluid Mechanics Laboratory	0-0-2-2				
3	B.Tech., 3 rd and 4 th semesters	CE208 – Engineering Geology Laboratory	0-0-2-2				
4	B.Tech., 3 rd and 4 th semesters				CE206 – Geotechnical Engineering I	3-0-0-6	F
5	B.Tech., 5 th and 6 th semesters	CE313 – Geotechnical Engineering II Laboratory	0-0-2-2				
6	B.Tech., 5 th and 6 th semesters	CE314 – Transportation Engineering I Laboratory	0-0-2-2				
7	B.Tech., 5 th and 6 th semesters				CE320 – Engineering Hydrology	3-0-0-6	A1

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Revised Reshuffling of M.Tech. Courses

Department Name: Civil Engineering

M. Tech. in Civil Engineering

Sn	Program and Semester	Course in July-Dec 2020 to be shifted to Jan-May 2021			Alternative course shifted from Jan-May 2021 to July-Dec 2020 (If any)		
		Course Name	L-T-P-C	Exam Slot	Course Name	L-T-P-C	Exam Slot
1	M.Tech. and 1st	CE 512 Structural Engineering Laboratory	0-0-3-3				
2	M.Tech. and 1st	CE 521* Process Chemistry for Water and Wastewater Treatment	3-0-2-8	**			
3	M.Tech. and 1st	CE 523* Air and Noise Pollution	3-0-2-8	**			

Note: * Since splitting of the courses i.e. CE 521 (3-0-2-8) and CE 523 (3-0-2-8) into separate theory and lab components will not be possible due to operational difficulty as stated in the last IPPC meeting, for these courses, the respective course instructors will complete the theory portions in July-December 2020 semester and the laboratory portions in the next semester (January-May 2021 semester). The final grades for both the courses (combined grading of both theory and laboratory components) can be awarded in January-May 2021 Semester as suggested in last IPPC meeting.

In this regard, the following may be clarified i.e. whether the students will attend the theory portion of the courses CE 521 and CE 523 in July-December 2020 semester without registering for them in this semester, and if so, how to communicate this information to the students.

Further, for any unforeseen operational difficulty in running the courses over both semesters, the matter will be handled amicably with the advice of the academic affairs section.

**** Exam Slot** for Theory component of both the courses in July-December 2020 Semester.

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