



भारतीय प्रौद्योगिकी संस्थान कानपुर
INDIAN INSTITUTE OF TECHNOLOGY KANPUR
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 शैक्षिक विभाग
ACADEMIC SECTION

अधिष्ठाता, शैक्षिक कार्य
Dean of Academic Affairs

October 16, 2020

To: All Heads of Departments/IDPs

The soft copy of the class schedule for the Core Courses to be offered in the First Semester of the Academic Year 2020-21 is detailed below:

The Departments/IDPs are requested to prepare their respective departmental time table. Please send the hard copy of the of the departmental time table to the DOAA office and/or a soft copy by email to courses@iitk.ac.in latest by **October 28, 2020**.

Particulars of the proposed Core Time Table (1st and 2nd Semester):

1. The size of the first year incoming batch in 2020-21 is ~1200.
2. The students have been divided into two groups which will further be divided into four batches for 1st and 2nd semester courses (Batch A, B, C and D).
3. These groups/batches shall consist of the students of the following Departments¹:

GROUP 1		GROUP 2	
Batch A	Batch B	Batch C	Batch D
<ul style="list-style-type: none"> • AE (72) • EE (192) • PHY (46) 	<ul style="list-style-type: none"> • ME (149) • BSBE (55) • CHM (51) • ECO (51) 	<ul style="list-style-type: none"> • CHE (105) • CSE (127) • ES (44) 	<ul style="list-style-type: none"> • CE (149) • MSE (86) • MTH (65)

4. The course schedule for Batch A and B (Group 1) students will be as follows:
 - 1st Semester: MTH101A, PHY102A, TA101A, LIF101A, ~~PHY101A~~^{*}, HSS-1/ENG112A, PE101A
 - 2nd Semester: MTH102A, PHY103A, ESC101A, CHM101A, CHM102A, PE102A
5. The course schedule for Batch C and D (Group 2) students will be as follows:
 - 1st Semester: MTH101A, PHY103A, ESC101A, ~~CHM101A~~^{*}, HSS-1/ENG112A, PE101A
 - 2nd Semester: MTH102A, PHY102A, TA101A, LIF101A, PHY101A, CHM102A, PE102A

*** As per CCC report 2020-21-I, CHM101A and PHY101A will not be taught in 2020-21-I.**

¹ The figures presented here include the supernumerary seats for the girl child for 2020-21 (approximately 158).

6. Group 1 (i.e. Batch A and B) students will be divided into 16 sections (A1 – A16) with up to 40 students in each section for the purpose of laboratory/tutorial classes.
7. Group 2 (i.e. Batch C and D) students will be divided into 16 sections (B1 – B16) with up to 40 students in each section for the purpose of laboratory/tutorial classes.

Section Schedule for the first year Lab courses in Odd semester

Day	Course No.	Group	Section
MONDAY	TA101A (P)	1	A1, A2, A3, B7
	PHY101A (P)	1	B2, B3, B4
	ESC101A (P)	2	C1, C2, C3, D7
	CHM101A (P)	2	D2, D3, D4, D8
TUESDAY	TA101A (P)	1	A4, A5, A6, B5
	PHY101A (P)	1	A7, A8, B1
	ESC101A (P)	2	C4, C5, C6, D5
	CHM101A (P)	2	C7, C8, D1, D6
WEDNESDAY	TA101A (P)	1	B2, B3, B4, B6
	PHY101A (P)	1	A1, A2, A3
	ESC101A (P)	2	D2, D3, D4, D6
	CHM101A (P)	2	C1, C2, C3, D5
THURSDAY	TA101A (P)	1	A7, A8, B1, B8
	PHY101A (P)	1	A4, A5, A6
	ESC101A (P)	2	C7, C8, D1, D8
	CHM101A (P)	2	C4, C5, C6, D7
FRIDAY	PHY101A	1	B5, B6, B7, B8

The 1st year odd semester time table (both day-wise and course-wise) prepared based on the above principles is given below. Day-wise Core Time Table: 1st Semester

		08:00-08:50	09:00-09:50	10:00-10:50	11:00-11:50	12:00-12:50	Lunch	14:00-14:50	15:00-15:50	16:00-16:50	17:10-18:00
M	1 st Semester	Batch A,B			TA101A(P) [A1, A2, A3, B7]	PHY101A(P) [B2, B3, B4]			PHY102A(L)	MTH101A(L)	
		Batch C,D			MTH101A(L)	PHY103A(L)	ESC101A(L)		ESC101A(P) [C1, C2, C3,D7]	CHM101A(P) [D2, D3, D4, D8]	
		Repeat									MTH102R (L)
T	1 st Semester	Batch A,B		HSS-1(L)	TA101A(P) [A4, A5, A6, B5]	PHY101A(P) [A7, A8, B1]		TA101A (L)			
		Batch C,D		ENG112(L)	MTH101A (T)	PHY103A (T)	ESC101A (T)		ESC101A (P) [C4, C5, C6, D5]	CHM101A (P) [C7,C8,D1,D6]	
		Repeat	CHM102R (L)								MTH102R (T)
W	1 st Semester	Batch A,B		HSS-1 (T)	TA101A(P) [B2, B3, B4, B6]	PHY101A(P) [A1, A2, A3]		LIF101A(L)	PHY102A (L)	MTH101A (L7)	
		Batch C,D		ENG112 (T)	MTH101A (L)	PHY103A (L)	ESC101A (L)		ESC101A(P)[D2, D3, D4, D6];	CHM101A(P)[C1, C2, C3, D5]	
		Repeat									MTH102R (L)
Th	1 st Semester	Batch A,B		HSS-1(L)	TA101A(P) [A7, A8, B1, B8]	PHY101A (P) [A4, A5, A6]		TA101A (L)	PHY102A (T)	MTH101A (T)	
		Batch C,D		ENG112(L)					ESC101A (P) [C7, C8, D1, D8.];	CHM101A (P) [C4, C5, C6, D7]	
		Repeat	CHM102R (T)								MTH102R (L)
F	1 st Semester	Batch A,B		HSS-1(L)	PHY101A(P) [B5, B6, B7, B8]			LIF101A (L)	PHY102A (L)	MTH101A (L)	
		Batch C,D		ENG112(L)	MTH101A (L)	PHY103A (L)	ESC101A (L)				
		Repeat	CHM102R (L)								

Course-wise Core Time Table: 1st Semester

Course No.	Units	Batch	Lecture		Tutorial		Laboratory
			Time	Venue	Time	Venue*	
MTH101A	3-1-0 (11)	A,B	MWF 16:00	L7	Th 16	L3-L6,	--
		C,D	MWF 10:00	L7	T 10	L3-L6,	--
PHY101A	0-0-3 (03)	A,B	--	--	--	--	M/T/W/Th/F 10:00 – 12:50
PHY103A	3-1-0 (11)	C,D	MWF 11:00	L7	T 11	L3-L6,L10	--
PHY102A	3-1-0 (11)	A,B	MWF 15:00	L7	Th 15	L3-L6,L10	--
CHM101A	0-0-3 (03)	C,D	--	--	--	--	M/T/W/Th 14:00 – 16:50
LIF101A	2-0-0 (06)	A,B	WF 14:00	L7	--	--	--
TA101A	2-0-3 (09)	A,B	TTh 14:00	L7	--	--	M/T/W/Th 10:00 – 12:50
ESC101A	3-1-3 (14)	C,D	MWF 12:00	L7	T 12	T103-112 T203-204	M/T/W/Th 14:00 – 16:50
HSS-1 (1)	3-1-0 (11)	A,B, C,D	TThF 9:00	-	W 9	-	--
ENG112	3-1-0 (11)	A,B, C,D	TThF 9:00	TB103 TB104 TB105 TB106	W 9	TB103 TB104 TB105 TB106	--
CHM102A	2-1-0 (08)	BL*	TF 8:00		Th 8		--
MTH102A	3-1-0 (11)	BL*	MWTh 17:10		T 17:10		--

BL*: Back-Loggers

* The venues of some of the lecture and tutorial classes are not shown in the above time table. These will be intimated later.

Particulars of the Proposed Core Time Table: (3rd and 4th Semester)*

1. The composition of the 2nd year classes from Y11 batch onwards was approximately 835 students. Y19 batch will consist of approximately 994 students.
2. It is proposed that this class be divided into two approximately equal batches (Batch C and Batch D) such that each batch has approximately 497 students. It has been done to take care of 2nd year laboratory assignments.
3. Batch C shall consist of students from EE, ME, MTH, BSBE, and CSE departments
4. Batch D shall consist of students from CHE, AE, MSE, CE, PHY, ECO and CHM departments
5. The course schedule for Batch C students will be as follows,
 3rd Semester: TA201A, ESC201A and others
 4th Semester: TA202A, HSS-1 and others
6. The course schedule for Batch D students will be as follows,
 3rd Semester: TA202A, HSS-1 and others
 4th Semester: TA201A, ESC201A and others

The composition of the Batch D sections shall be as follows:

D1(CHE 34)	D2(CHE 34)	D3(CHE 19, AE 15)
D4(AE 34)	D5(MSE 5, AE 7, CE 5, CHM 8)	D6(MSE 34)
D7(MSE 34)	D8(ES 34)	D9(CE 34)
D10(CE 34)	D11(CE 34)	D12(PHY 34)
D13(CE 19, ECO 9, PHY 4)	D14(ECO 34)	D15(CHM 32+ES 2)

7. Batch C will be further sub-divided into 15 sections, C1 – C15. The course schedule for Batch C students will be as follows

The composition of the Batch C sections shall be as follows:

C1(EE 33)	C2(EE 30, CSE 3)	C3(EE 33)
C4(EE 33)	C5(ME 33)	C6(ME 33)
C7(ME 33)	C8(MTH 33)	C9(MTH 20 + BSE 14)
C10(BSE 33)	C11(CSE 8, ME 24)	C12(CSE 33)
C13(CSE 33)	C14(CSE 33)	C15(EE 33)

8. HSS-1 courses will be offered every semester in LHC (max. registration 125) primarily for 3rd and 4th semester students.
9. COM200 will be offered on Th 18:00-19:00 & LAB T 10:00 – 11:50 slot in L20 in the odd semester for Batch A students (as assigned earlier for 1st year courses), i.e., a total of 700 students.

* Subject to minor variations in section size due to increase in student strength in the Y19 Batch.

Naming of ESO/SO Courses

- Modular courses shall have unique numbers with a suffix 'a' denoting that the course is being offered in the 'first half' of the semester, while a suffix 'b' denotes that the course is being offered in the 'second half' of the semester.
- The course numbers of all ESO courses have been rationalized as follows,

ESO201A (11):	Thermodynamics
ESO202A (11):	Mechanics of Solids
ESO203A (13):	Introduction to Electrical Engineering
ESO204A (11):	Fluid Mechanics and Rate Processes
ESO205A (14):	Nature and Properties of Materials
ESO206A (11):	Biotechnology
ESO207A (09):	Data Structures
ESO208A (11):	Numerical Methods
ESO209A (08):	Dynamics
- SO courses offered by MATH, PHYSICS and CHEMISTRY Departments are numbered as MSO, PSO and CSO respectively. The SO courses being offered are,

MSO202a (06):	Complex Analysis	
MSO203b (06):	Partial Differential Equations	
MSO201A (11):	Probability and Statistics	(OLD ESO209)
CSO201A (11):	Basic Organic Chemistry	
CSO202A (11):	Atoms, Molecules and Photons	
PSO201A (08):	Quantum Physics	
- ESO/SO courses offered in the odd semesters are, ESO201A, ESO202A, ESO203A, ESO204A, ESO205A, ESO206A, ESO207A, ESO208A, ESO209A, MSO202A and MSO203B.
- ESO/SO courses offered in even semesters are, ESO201A, ESO202A, ESO203A, MSO201AA, CSO201A, CSO202A and PSO201A.

ESO / SO Requirements for Students from Various Departments

Students from various departments have different ESO /SO requirements. Some of these ESOs / SOs may be compulsory, while the others are elective. However, students from all departments must take at least 41 credits of ESO /SO of which at least 08 credits must be ESO and 08 credits SO. The ESO / SO requirements of various departments are given below (the courses in **BOLD** are compulsory),

Departmental Requirements	Odd Semester (numbers in parenthesis denote credits)	Even Semester (numbers in parenthesis denote credits)
AE (all Compulsory)	ESO204A (11) MSO202a (06) MSO203b (06)	ESO202AA (11) ESO201A (11)

Core Time Table for 2020-21/1st Semester

<p>BSBE (at least 41 units) (any two from ESO201A / ESO205A / ESO208A)</p>	<p>ESO206A (11) ESO201A (11) ESO205A (14) ESO208A (11)</p>	<p>MSO201A (11) ESO201A(11)</p>
<p>CHE (at least 41 units) (any one from CSO201A / CSO202A)</p>	<p>ESO201A (11) ESO208A (11) ESO205A (14) – 5thSem</p>	<p>CSO201A (11) CSO202A (11)</p>
<p>CE (all Compulsory)</p>	<p>ESO202A (11) ESO204A (11) MSO203b(06) ESO208A (11) – 5thSem</p>	<p>MSO201A (11)</p>
<p>CHM (at least 41 units) (at least 08 units of SO) (at least 08 units of ESO)</p>	<p>ESO201A (11) ESO202A (11) ESO203A (13) ESO204A (11) ESO205A (14) ESO206A (11) ESO207A (09) ESO208A (11) ESO209A (08) MSO202a (06) MSO203b (06)</p>	<p>ESO201A (11) ESO202A (11) ESO203A (13) CSO202A (11) PSO201A (08)</p>
<p>CSE (at least 41 units) (at least 08 units of ESO)</p>	<p>ESO201A (11) ESO202A (11) ESO203A (13) ESO204A (11) ESO205A (14) ESO206A (11) ESO208A (11) ESO209A (08) MSO202a (06) MSO203b (06)</p>	<p>MSO201A (11) ESO201A (11) ESO202A (11) ESO203A (13) CSO201A(11) CSO202A (11) PSO201A (08)</p>

<p>Departmental Requirements</p>	<p>Odd Semester (numbers in parenthesis denote credits)</p>	<p>Even Semester (numbers in parenthesis denote credits)</p>
<p>EE (at least 41 units)</p>	<p>MSO202a (06) MSO203b (06) ESO201A (11) ESO202A (11) ESO204A (11) ESO205A (14) ESO206A (11) ESO207A (09) ESO208A (11) ESO209A (08)</p>	<p>MSO201A (11) ESO203A (13) ESO201A (11) ESO202A (11) CSO201A (11) CSO202A (11) PSO201A (08)</p>
<p>ECO (at least 41 units) (at least 19 units of SO) (at least 08 units of ESO)</p>	<p>ESO201A (11) ESO202A (11) ESO203A (13) ESO204A (11) ESO205A (14) ESO206A (11) ESO207A (09) ESO208A (11) ESO209A (08) MSO202a (06) MSO203b (06)</p>	<p>MSO201A (11) ESO201A (11) ESO202A (11) ESO203A (13) CSO201A(11) CSO202A (11) PSO201A (08)</p>

Core Time Table for 2020-21/1st Semester

MSE (all compulsory)	ESO202A (11) ESO205A (14) MSO203b (06) ESO208A (11) – 5thSem	PSO201A (08)
ME (all compulsory)	ESO201A(11) MSO202a (06) MSO203b (06)	ESO202A(11) ESO203A(13)
MTH (at least 41 units)	ESO207A (09) – 5thSem ESO201A (11) ESO202A (11) ESO203A(13) ESO204A (11) ESO205A (14) ESO206A (11) ESO208A (11) ESO209A (08) MSO202a (06) MSO203b (06)	MSO201A (11) ESO201A (11) ESO202A (11) ESO203A (13) CSO201A (11) CSO202A (11) PSO201A (08)
PHY (at least 41 units) (at Least 08 units of ESO)	ESO201A (11) ESO202A (11) ESO203A (13) ESO204A (11) ESO205A (14) ESO206A (11) ESO207A (09) ESO208A (11) ESO209A (08) MSO202a (06) MSO203b (06)	PSO201A (08) ESO201A (11) ESO202A (11) ESO203A (14) CSO201A (11) CSO202A (11)

The day-wise time table for ESC / ESO / SO and HSS-I courses to be offered in the odd semester of the 2nd year is given below.

2nd year Core Time Table: Odd Semester

	8:00-8:50	9:00-9:50 (ESO/SO-1)	10:00-10:50 (ESO/SO-2)	11:00-11:50 (ESO/SO-3)	12:00-12:50		14:00-14:50	15:00-15:50	16:00-16:50	17:10-18:00
M	ESC201A (L) [C] HSS-I (L) [D]	ESO206A (L) MSO202a (T) MSO203b (T)	ESO201A(L) ESO202A(L) ESO203A(L) ESO207A(L)	ESO204A(L) ESO205A(L) ESO208A(L)			TA201A LAB. [C3, C4, C15, others] TA202A LAB. [D9, D10, D11, others] ESC201A LAB. [C5, C6, C7, others] ESO205A LAB. [O1=D6(34), others]			ESO209A (L)
							ESO203A LAB. (Two section with up to 35 students per section)			
T	TA202A (L) [D]	TA201A (L)[C]					TA201A LAB. [C8, C9, C13, others] TA202A LAB. [D1, D2, D3, others] ESC201A LAB. [C4, C14, C15, others] ESC205A LAB. [O2=D7(34),], others]			ESO209A (T)
W	ESC201A (L) [C] HSS-I (L) [D]	ESO206A (L) MSO202a (L) MSO203b (L)	ESO201A(L) ESO202A(L) ESO203A(L) ESO207A(L)	ESO204A(L) ESO205A(L) ESO208A(L)			TA201A LAB. [C5, C6, C7] TA202A LAB. [D12, D13, D14] ESC201A LAB. [C1, C2, C3, others] ESO205A LAB. [O3=D5(5),]			ESO209A (L)
							ESO203A LAB. (Two section with up to 35 students per section)			
Th	ESC201A (T) [C] HSS-I (T) [D]	ESO206A (T) MSO202a(L) MSO203b(L)	ESO201A(T) ESO202A(T) ESO203A(T)	ESO204A(T) ESO205A(T) ESO208A(T)			TA201A LAB. [C1, C2, C14] TA202A LAB. [D4, D5, D6] ESC201A LAB. [C10, C11, C12,] ESO205A LAB. [O4 = CHE 5 th Semester only]			
F	ESC201A (L) [C] HSS-I (L) [D]	ESO206A (L) MSO202a (L) MSO203b (L)	ESO201A(L) ESO202A(L) ESO203A(L) ESO207A(L)	ESO204A(L) ESO205A(L) ESO208A(L)			TA201A LAB. [C10, C11, C12, others] TA202A LAB. [D7, D8, D15, others] ESC201A LAB. [C8, C9, C13, others] ESO205A LAB. [O5-CHE 5 th Semester only]			

Core Time Table for 2020-21/1st Semester

The course-wise time table for 2nd year odd semester core courses is given below.

Course No.	Units	Group	Lecture		Tutorial		Laboratory
			Time	Venue	Time	Venue*	
COM200	1-0-2 (05)	A*	Th 18:00 – 18:50	L20	--	--	T 10:00 – 11:50, L7
ESC201A	3-1-3 (14)	C	MWF 8:00	L20	Th 8:00	T103-112 T203-204	M/T/W/Th/F 14:00 – 16:50
TA201A	1-0-3 (06)	C	T 9:00	L20	--	--	M/T/W/Th/F 14:00 – 16:50
TA202A	1-0-3 (06)	D	T 8:00	L20	--	--	M/T/W/Th/F 14:00 – 16:50
HSS-1 (2)	3-1-0 (11)	D	MWF 8:00	REQ	Th 8:00	REQ	--
ESO201A	3-1-3 (11)	--	MWF 10:00	REQ	Th 10:00	REQ	--
ESO202A	3-1-3 (11)	--	MThF 10:00	REQ	W 10:00	REQ	--
ESO203A	3-1-2 (13)	--	MWF 10:00	REQ	Th 10:00	REQ	M/W 14:00 – 16:50
ESO204A	3-1-0 (11)	--	MWF 11:00	REQ	Th 11:00	REQ	
ESO205A	3-1-3 (14)	--	MWF 11:00	REQ	Th 11:00	REQ	M/T/W/Th/F 14:00 – 16:50
ESO206A	3-0-0 (09)	--	MWF 9:00	REQ	--	--	
ESO207A	3-0-0 (09)	--	MWF 10:00	REQ	--	--	
ESO208A	3-1-0 (11)	--	MThF 11:00	REQ	W 11:00	REQ	
ESO209A	2-1-0 (08)	--	MW 17:10	REQ	T 17:10	REQ	
ESO213A	3-0-0 (09)	--	MWF 11:00	REQ	--	--	
MSO202a	3-1-0 (06)	--	WThF 9:00	L20	M 9:00	REQ	
MSO203b	3-1-0 (06)	--	WThF 9:00	L20	M 9:00	REQ	

Batch A*: AE, CHM, CSE, ECO, MTH, EE, PHY

*The venues of the lecture/tutorial for some classes are not shown in the above time table. These will be intimated later.

Achla M. Raina
Dean, Academic Affairs