



भारतीय प्रौद्योगिकी संस्थान कानपुर
INDIAN INSTITUTE OF TECHNOLOGY KANPUR
 P.O.: IIT Kanpur, 208 016, Uttar Pradesh, India
 शैक्षिक विभाग
ACADEMIC SECTION

अधिष्ठाता, शैक्षिक कार्य
Dean of Academic Affairs

March 10, 2022

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 2022-23 is detailed below:

The Departments/IDPs are requested to prepare their respective departmental time table strictly according to the instructions given in this document (see page no. 10). 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 **March 23, 2022**.

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

1. The size of the first-year incoming batch in 2022-23 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 Departments:

GROUP 1		GROUP 2	
Batch A	Batch B	Batch C	Batch D
• AE (72)	• ME (149)	• CHE (105)	• CE (149)
• EE (192)	• BSBE (55)	• CSE (127)	• MSE (86)
• PHY (46)	• CHM (51)	• ES (44)	• MTH (65)
	• ECO (51)	• SDS (25)	

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

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

Core Time Table for 2022-23/1st Semester

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	Time	
MTH101A	3-1-0 (11)	A,B	MWF 16:00	Th 16	--
		C,D	MWF 10:00	T 10	--
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	T 11	--
PHY102A	3-1-0 (11)	A,B	MWF 15:00	Th 15	--
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	--	--
TA101A	2-0-3 (09)	A,B	TTh 14:00	--	M/T/W/Th 10:00 – 12:50
ESC101A	3-1-3 (14)	C,D	MWF 12:00	T 12	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	W 9	--
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

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. Y20 batch will consist of approximately 1200 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 600 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, ES 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 30)	D2(CHE 30)	D3(CHE 30,)
D4(AE 30)	D5(MSE 17, AE 12,)	D6(MSE 30)
D7(MSE 30)	D8(ES 30)	D9(CE 30)
D10(CE 30)	D11(CE 30)	D12(PHY 30)
D13(CHE 15, ES 14)	D14(ECO 30)	D15(CHM 30)
D16(AE 30)	D17(ECO 21,PHY 16)	D18(CHM 21, MSE 9)
D19(CE 30)	D20(CE 29)	

7. Batch C will be further sub-divided into 20 sections, C1 – C20. The course schedule for Batch C students will be as follows

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

C1(EE 30)	C2(EE 30,)	C3(EE 30)
C4(EE 30)	C5(ME 30)	C6(ME 30)
C7(ME 30)	C8(MTH 30)	C9(MTH 30)
C10(BSE 30)	C11(BSE 25, MTH 5)	C12(CSE 30)
C13(CSE 30)	C14(CSE 30)	C15(EE 30)
C16(EE 30)	C17(EE 12, CSE 7)	C18(ME 30)
C19(ME 29)	C20(CSE 30)	

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 Lecture Hall in the odd semester for 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 Y20 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
ESO213A (09):	FUNDAMENTALS OF EARTH SCIENCES
- 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, ESO207A, 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)

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<p>BSBE (at least 41 units) (any two from ESO201A / ESO205A / ESO208A)</p>	<p>ESO206A (11) ESO201A (11) ESO205A (14) ESO208A (11)</p>	<p>HSO201A (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>HSO201A (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) ESO207A (12) ESO208A (11) ESO209A (08) MSO202a (06) MSO203b (06)</p>	<p>MSO201A (11) ESO201A (11) ESO202A (11) ESO203A (13) ESO207A (12) CSO201A(11) CSO202A (11) PSO201A (08)</p>

Departmental Requirements	Odd Semester (numbers in parenthesis denote credits)	Even Semester (numbers in parenthesis denote credits)
<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>HSO201A (11) ESO201A (11) ESO202A (11) ESO203A (13) CSO201A(11) CSO202A (11) PSO201A (08)</p>

Core Time Table for 2022-23/1st Semester

ES (all compulsory)	ESO201A (11) – 3rdSem ESO213A (9) – 3rdSem ESO204A (11) – 5thSem	MSO201A (11) – 4thSem
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)	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, C16] TA202A LAB. [D9, D10, D11, D19] ESC201A LAB. [C5, C6, C7, C18] ESO205A LAB. [O1=D6(34), others]			ESO209A (L)
T	TA202A (L) [D]	TA201A (L)[C]				ESO203A LAB. (Two section with up to 35 students per section)			
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. [C8, C9, C11, C20] TA202A LAB. [D1, D2, D3, D13] ESC201A LAB. [C1, C2, C14, C17] ESC205A LAB. [O2=D7(34),], others]			ESO209A (T)
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. [C5, C6, C7, C18] TA202A LAB. [D12, D14, D17, D20] ESC201A LAB. [C3, C4, C15, C16] ESO205A LAB. [O3=D5(5),]			ESO209A (L)
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)		ESO203A LAB. (Two section with up to 35 students per section)			
						TA201A LAB. [C1, C2, C14, C17] TA202A LAB. [D4, D5, D6, D16] ESC201A LAB. [C10, C12, C13, C19] ESO205A LAB. [O4 = CHE 5 th Semester only]			
						TA201A LAB. [C10, C12, C13, C19] TA202A LAB. [D7, D8, D15, D18] ESC201A LAB. [C8, C9, C11, C20] ESO205A LAB. [O5-CHE 5 th Semester only]			

Core Time Table for 2022-23/1st 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	REQ	--	--	T 10:00 – 11:50, L7
ESC201A	3-1-3 (14)	C	MWF 8:00	REQ	Th 8:00	REQ	M/T/W/Th/F 14:00 – 16:50
TA201A	1-0-3 (06)	C	T 9:00	REQ	--	--	M/T/W/Th/F 14:00 – 16:50
TA202A	1-0-3 (06)	D	T 8:00	REQ	--	--	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	3-1-0 (11)	--	MWF 10:00	REQ	Th 10:00	REQ	--
ESO202A	3-1-0 (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	REQ	M 9:00	REQ	

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

Preparation of the Departmental Time Table

Departmental time table templates of all departments/IDPs are available at the urls given in the table below.

Department IDP	For downloading Departmental Template, paste the given url in your browser.
AE	http://www.iitk.ac.in/doaa/oddsemmt/odd-AE.doc
BSBE	http://www.iitk.ac.in/doaa/oddsemmt/odd-BSE.doc
CE	http://www.iitk.ac.in/doaa/oddsemmt/odd-CE.doc
CHE	http://www.iitk.ac.in/doaa/oddsemmt/odd-CHE.doc
CHM	http://www.iitk.ac.in/doaa/oddsemmt/odd-CHM.doc
CSE	http://www.iitk.ac.in/doaa/oddsemmt/odd-CSE.doc
CGS	http://www.iitk.ac.in/doaa/oddsemmt/odd-CGS.doc
DESIGN	http://www.iitk.ac.in/doaa/oddsemmt/odd-MDES.doc
ECO	http://www.iitk.ac.in/doaa/oddsemmt/odd-ECO.doc
EE	http://www.iitk.ac.in/doaa/oddsemmt/odd-EE.doc
ES	http://www.iitk.ac.in/doaa/oddsemmt/odd-ES.doc
HSS	http://www.iitk.ac.in/doaa/oddsemmt/odd-HSS.doc
IME	http://www.iitk.ac.in/doaa/oddsemmt/odd-IME.doc
ME	http://www.iitk.ac.in/doaa/oddsemmt/odd-ME.doc
MSE	http://www.iitk.ac.in/doaa/oddsemmt/odd-MSE.doc
MSP	http://www.iitk.ac.in/doaa/oddsemmt/odd-MSP.doc
MTH	http://www.iitk.ac.in/doaa/oddsemmt/odd-MTH.doc
NET	http://www.iitk.ac.in/doaa/oddsemmt/odd-NT.doc
PHY	http://www.iitk.ac.in/doaa/oddsemmt/odd-PHY.doc
PSE	http://www.iitk.ac.in/doaa/oddsemmt/odd-PSE.doc
SEE	http://www.iitk.ac.in/doaa/oddsemmt/odd-SEE.doc
SSA	http://www.iitk.ac.in/doaa/oddsemmt/odd-SSA.doc

Instructions:

1. Download the departmental time table template.
2. You will notice that all UG departmental compulsory courses (and some other courses) have already been scheduled. The schedules of these courses are fixed and cannot be changed by the departments. However, the names of the instructors of these courses need to be provided.
3. You will also notice that several types of slots, i.e., HSS-I and HSS-II slots (only for HSS department), DE-slots, OE-slots and PG-slots have been specified in the time table template.
4. Schedule the HSS, DE, OE and PG courses of your department in these slots, while strictly adhering to the instructions for scheduling these courses as given in the template.

Core Time Table for 2022-23/1st Semester

5. For each course, mention the course number, L-T-P-D and unit details, course name, name of the instructor and the slot in which the course should be scheduled.
6. Be extra careful in scheduling courses with multiple attributes, i.e., DE/PG, DE/OE, OE/PG, HSS/DE, HSS/OE etc. and courses declared as part of a Minor. The instructions for scheduling such courses have been given in the time table template. Please contact OARS office in case of any doubt.
7. Please note that each course offered by a department (except UG projects) must be scheduled in a slot. A course without a slot will not be uploaded on the online registration system.
8. However, a course assigned in one slot can be changed to another slot at a later date (by contacting OARS) if the department wishes to do so for any reason.
9. Thus the role of the department is limited to assigning slots for various HSS, DE, OE, Minors and PG courses. The corresponding day-wise schedule of the course will be reflected in Pingala automatically.
10. There is no need for specifying a room for a course. Rooms for various courses will be assigned after pre-registration and this information will be uploaded on Pingala.

Sd/-
Shalabh
Dean, Academic Affairs