Email: doaa@iitk.ac.in   Tel.: +91-512-259 7674/7020

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 12, 2024

To: All Heads of Departments/IDPs

The class schedule for the Core Courses to be offered in the First Semester of the Academic Year 2024-25 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 soft copy of your departmental time table to the DOAA office by email to courses@iitk.ac.in with a copy to doaa@iitk.ac.in latest by March 20, 2024.

A. Particulars of the proposed Core Time Table (1st and 2nd Semesters):

(1) The size of the first-year incoming batch in 2024-25 is expected to be approximately 1210.

(2) The students have been divided into two groups which will further be divided into four batches for 1st and 2nd semester courses (Batches A, B, C and D).

(3) All the students will do physics courses as per their department requirements in the 1st and 2nd semesters given as follows;

For 1st semester Physics courses

PHY112	PHY113	PHY114	PHY115
• AE (69) • CE (148) • CHE(104) • CHM (49)	• EE (192) • ME (149) • PHY (45)	• CSE (129) • MSE (85)	• BSBE (53) • ECO (52) • ES (43) • MTH (64) • SDS (28)

For 2nd semester Physics courses

PHY112	PHY113	PHY114	PHY115
• BSBE (53) • ECO (52) • ES (43) • ME (149) • PHY (45)	• CHE(104) • CHM (49) • CSE (129) • MSE (85)	• EE (192) • MTH (64) • SDS (28)	• AE (69) • CE (148)

B. Particulars of the Proposed Core Time Table: (1st and 2nd Semesters)

(1)   The size of the 1st year incoming batch in 2024-25 is expected to be approximately 1210.

(2)   The students have been divided into two groups of approximately the same size (Group 1 and Group 2) for 1st and 2nd semester courses.

(3)   These Groups will be decided after the English Diagnostic Test (EDT), which will be conducted during registration period when the students arrive in the campus.

(4)   The course schedule for Group 1 students will be as follows:
   - 1st Semester: MTH111, MTH112, PHY111, TA111, CHM112, CHM113, PE111, SCEME-1(ELC111/ELC112/ELC113) and PHY (Dept wise as given in A. (3))
   - 2nd Semester: MTH113, MTH114, CHM111, ESC111, ESC112, LIF111, PE112, ETH111 and PHY (Dept wise as given in A. (3))

(5)   The course schedule for Group 2 students will be as follows:
   - 1st Semester: MTH111A, MTH112, CHM111A, ESC111, ESC112, LIF111, PE111,   ETH111 and PHY (Dept wise as given in A. (3))
   - 2nd Semester: MTH113, MTH114, PHY111, TA111, CHM112, CHM113, PE111, SCEME-1(ELC111/ELC112/ELC113) and PHY (Dept wise as given in A. (3))

(6)   All Chemical Engg. students will be in the Group 2 as requested by the Department.

(7)   Group 1 students will be divided into 20 sections (A1 – A10 and B1 – B10) with up to 30 students in each section for the purpose of laboratory classes.

(8)   Group 2 students will be divided into 20 sections (C1 – C10 and D1 – D10) with up to 30 students in each section for the purpose of laboratory classes.

(9)   All other courses will be divided up to approximately 100 students in each section for the purpose of tutorial classes.

Core Time Table 2024-25/1st Semester

Time Table- 1st Semester- Day wise/Course wise/Section wise

M — 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	Group1	ELC112/113	PHY112/113/114/115	TA111(P) PHY111(P)				CHM112/113	TA111A (L)	MTH111(L)/112	ELC111
	Group2		PHY112/113/114/115	MTH111(L)/112		ESC111/112(L)		CHM111A (P)			

T — 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
T	Group1		PHY112/113/114/115	TA111(P) PHY111(P)					CHM112/113	MTH 111(T)/112	
	Group2		PHY112/113/114/115	MTH111(L)/112(T)	ETH111			CHM111A (P)			
	Repeat										

W — 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
W	Group1	ELC112/113		TA111(P) PHY111(P)				CHM112/113	TA111A (L)		ELC111
	Group2	ETH111			LIF111	ESC111/112 (T)		CHM111A(P)			
	Repeat										

Th — 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
Th	Group1	ELC112/113	PHY112/113/114/115	TA111(P) PHY111(P)				CHM112/113		MTH111(L)/112	ELC111
	Group2		PHY112/113/114/115	MTH111/112 (L)		ESC111/112 (L)		CHM111A (P)			
	Repeat										

F — 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
F	Group1	ELC112/113	PHY112/113/114/115	TA111(P) PHY111(P)					CHM112/113(T)	MTH111(L)/112	ELC111
	Group2		PHY112/113/114/115	MTH111/112 (L)	LIF111	ESC111/112 (L)		ESC111/112 (P)			ETH111
	Repeat										

Course-wise Core Time Table: 1st Semester

Course No.	L-T-P-D (Credits)	Group	Lecture Schedule	Tutorial Schedule	Lab Schedule
MTH111 (M)	3-1-0(6) [1200]	2	MThF 10:00	T 10:00	
		1	MThF 16:00	T 16:00	
MTH112 (M)	3-1-0(6) [1200]	2	MThF 10:00	T 10:00	
		1	MThF 16:00	T 16:00	
PHY111	0-0-3(03) [600]	1			M/T/W/Th/F 10:00-12:50
PHY112	3-1-0(11) [370]	AE,CE CHE,CHM	MThF 09:00	T 09:00	
PHY113	3-1-0(11) [386]	EE, ME, PHY	MTF 09:00	Th 09:00	
PHY114	3-1-0(11) [214]	CSE MSE	MTF 09:00	Th 09:00	
PHY115	3-1-0(11) [240]	BSE, ECO,ES, MTH, SDS	MThF 09:00	T 09:00	
CHM111	0-0-3(03) [600]	2			M/T/W/Th 14:00-16:50
CHM112 (M)	2-1-0(04) [600]	1	MW 14:00	F 15:00	
		1	TTh 15:00	F 15:00	
CHM113 (M)	2-1-0(04) [600]	1	MW 14:00	F 15:00	
		1	TTh 15:00	F 15:00	
TA111	2-0-3(09) [600]	1	MW 15:00		M/T/W/Th/F 10:00-12:50
ESC111 (M)	3-1-3(07) [600]	2	MThF 12:00	W 12:00	Th/F 14:00-16:50
ESC112 (M)	3-1-3(7) [600]	2	MThF 12:00	W 12:00	Th/F 14:00-16:50
LIF111	2-0-0-0(6) [600]	2	WF 11:00		
ETH111	1-0-0-2(3) [600]	2	T 11:00, W08:00 F 17:00		
ELC111	3-1-0(11)	1	MWF 17:00	Th 17:00	
ELC112	3-1-0(11)	1	MWF 08:00	Th 8:00	
ELC113	3-1-0(11)	1	MWF 8:00	Th 8:00	
PE111	0-0-3-0(3)				

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

(1) It has been assumed that the composition of the 2nd year classes from Y22 batch onwards will consist of approximately 1210 students.

(2) It is proposed that this class be divided into two batches of approximately equal sizes (Batch C and Batch D) such that each batch has approximately 600 students. It has been done with an objective to take care of 2nd year laboratory assignments.

(3) Batch C shall consist of students from CHE, CSE, EE, ME, ECO, and SDS departments

(4) Batch D shall consist of students from AE, BSBE, CE, CHM, ES, MSE, MTH, and PHY departments

(5) The course schedule for Batch C students will be as follows,

> 3rd Semester: ESC201, HSS-1 and others
> 4th Semester: EME (Courses offered by Economics, Management and Engineering) and others

(6) 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 (EE 30)	C6 (EE 30)
C7 (ME 30)	C8 (ME 30)	C9 (ME 30)
C10 (ME 30)	C11 (ME 29)	C12 (CSE 32)
C13 (CSE 32)	C14 (CSE 32)	C15 (CSE 33)
C16 (CHE 30)	C17 (CHE 30)	C18 (CHE 30)
C19 (CHE 14 + EE 12)	C20 (SDS 28)	

(7) The course schedule for Batch D students will be as follows,

> 3rd Semester: EME (Courses offered by Economics, Management and Engineering) and others
> 4th Semester: ESC201, HSS-1 and others

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

D1 (BSBE 30)	D2 (BSBE 23 + AE 9)	D3 (AE 30)
D4 (AE 30)	D5 (MSE 30)	D6 (MSE 30)
D7 (MSE 25 + MTH 4)	D8 (ES 30)	D9 (ES 13 + CHM 19)
D10 (CHM 30)	D11 (CE 30)	D12 (CE 30)
D13 (CE 30)	D14 (CE 30)	D15 (CE 28)
D16 (ECO 32)	D17 (MTH 30)	D18 (MTH 30)
D19 (ECO 20 + PHY 13)	D20 (PHY 32)	

(8) HSS-1 courses will be offered every semester in (max. registration 125) primarily for 3rd and 4th semester students.

Naming of ESO/SO Courses

(1) Modular courses shall have unique numbers with a suffix 'M' denoting that the course is being offered in the 'first half' and 'second half' of the semester.

(2) The course numbers of all ESO courses have been rationalized as follows,

ESO201 (11):	Thermodynamics
ESO202 (11):	Mechanics of Solids
ESO203 (13):	Introduction to Electrical Engineering
ESO204 (11):	Fluid Mechanics and Rate Processes
ESO206 (11):	Biotechnology
ESO207 (09):	Data Structures
ESO208 (11):	Numerical Methods
ESO213 (09)	Fundamentals Of Earth Sciences
ESO225 (08):	Nature and Properties of Materials

(3) SO courses offered by MATHEMATICS, PHYSICS, CHEMISTRY and ECONOMICS/CIVIL ENGINEERING departments are numbered as MSO, PSO and CSO, HSO respectively. The SO courses being offered are,

MSO202M (06):	Complex Analysis
MSO203M (06):	Partial Differential Equations
MSO201 (11):	Probability and Statistics
MSO205 (11):	Introduction To Probability Theory
CSO201 (11):	Organic Chemistry-Fundamentals And Applications
CSO202 (11):	Atoms, Molecules and Photons
CSO203 (11):	Inorganic Molecules Materials & Medicine
HSO201 (11):	Applied Probability And Statistics
PSO201 (08):	Quantum Physics

(4) ESO/SO courses offered in the odd semesters are ESO201, ESO202A, ESO204, ESO206, ESO207, ESO208, ESO225, MSO202M, MSO203M, MSO205 and HSO201.

(5) ESO/SO courses offered in even semesters are ESO201, ESO202, ESO203, MSO201, CSO201, CSO202, CSO203, 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),

Core Time Table 2024-25/1st Semester

Departmental Requirements	Odd Semester (numbers in parenthesis denote credits)	Even Semester (numbers in parenthesis denote credits)
AE (all Compulsory)	**ESO202 (11)** **ESO204 (11)**	**ESO201 (11)**
BSBE (at least 18 units) (any one from ESO / SO)	**ESO206 (11)**	
CHE (all Compulsory)	**ESO201 (11)** **ESO204 (11)**	
CE (all Compulsory)	**ESO202 (11)** **HSO201 (11)** **MSO203M(06)** **ESO208 (11) – 5thSem**	
CHM (at least 18 units) (any one from ESO / SO)	**SO/ESO (9-11)** 3rdSem **SO/ESO – 5thSem**	
CSE (at least 21 units) (any one from ESO / SO)	**ESO207 (12)**	
EE (at least 36 units)	**MSO202M (06)** **MSO203M (06)**	**MSO201 (11)** **ESO203 (13)**
ECO (at least 23 units) (at least 11 units of SO) (at least 12 units of ESO)	**HSO201 (11)** **ESO207 (12)) – 5thSem**	
ES (at least 31 units)	**ESO201 (11)** **ESO213 (09)** **ESO204 (11) – 5thSem**	
MSE (at least 25 units) (at least 19 units of ESO)	**ESO202 (11)** **ESO225 (08)**	**SO/ESO – 6thSem**
ME (all compulsory)	**ESO201(11)** **MSO202M (06)** **MSO203M (06)**	**ESO202(11)**
MTH (at least 32 units of SO/ESO)	**MSO205 (11)** **SO/ESO (9-11)** **ESO207A (12) – 5thSem**	
PHY (at least 41 units) (at Least 08 units of ESO)	**MSO202M (06)** **MSO203M (06)**	**MSO201(11)** **PSO201 (08)**
SDS (at least 32 units of SO/ESO)	**MSO205 (11)** **ESO207A (12) – 5thSem** **MSO202M (06) – 5thSem**	**SO/ESO (9-11)**

Core Time Table 2024-25/1st Semester

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 as follows:

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	ESC201(L) EME	ESO206 (L) ESO213 (L) MSO202M (T) MSO203M (T)	ESO201(L) ESO202(L) ESO207(L)	ESO204(L) ESO225(L) ESO208(L) MSO205(L) HSO201(L)			TA211 LAB. [D3 (30) D4 (30), D2(9), D14(30)] ESC201 LAB. [C1 (30), C2 (30), C3 (30), C4 (30)] ESO207 LAB. [O1=C12(32), C13(32), others]			HSS-I
T							TA212 LAB. [C5 (30), C6 (30),) , C4 (30)) others] ESC201 LAB. [C16 (30), C14 (32), C15 (33) C20(28),]			
W	ESC201 (L) EME(L)	ESO206 (L) ESO213 (L) MSO202M (L) MSO203M (L)	ESO201(L) ESO202(T) ESO207(L)	ESO204(L) ESO225(L) ESO208(T) MSO205(T) HSO201(T)			TA211 LAB. [D11 (30) D12 (30), D13 (30), D15 (28),] TA212 LAB [D5 (30) D6 (30), D7(25), Others] ESC201 LAB. [C7 (30), C8 (30), C9 (30) C10(30),] ESO207 LAB. [O2=C14(32), C15(33), others]			HSS-I
Th	ESC201 (T) EME (L)	MSO202M(L) MSO203ML)	ESO201(T) ESO202(L)	ESO204(L) ESO225(T) ESO208(L) MSO205(L) HSO201(L)			TA212 LAB. [C1 (30), C2 (30), C3 (30), C19(12] ESC201 LAB. [C11 (29), C12 (32), C13 (32) C17(30),]			HSS-I (T)
F	ESC201A (L) EME (T)	ESO206 (L) ESO213 (L) MSO202M (L) MSO203M (L)	ESO201(L) ESO202(L) ESO207(L)	ESO204(L) ESO208(L) MSO205(L) HSO201(L)			TA211 LAB. [D5 (30) D6 (30), D7(25), Others] ESC201 LAB. [C5 (30), C6 (30), C18 (30) C19(26),]			HSS-I

The course-wise time table for 2nd year odd semester core courses is as follows:

Course No.	Units	Group	Lecture		Tutorial		Laboratory
			Time	Venue	Time	Venue*	
ESC201 (600)	3-1-3-0 (14)	C	MWF 8:00		Th 8:00	REQ	M/T/W/Th/F 14:00 – 16:50
EME (600)	3-1-0-0(11)	D	MWTh 8:00	REQ	F 8:00	REQ	
TA211(350)	0-0-3-0 (03)				--	--	M/W/F 14:00 – 16:50
TA212 (300)	0-0-3-0 (03)				--	--	T/W/Th 14:00 – 16:50
HSS-1 (600)	3-1-0 (11)	C	MWF 17:00	REQ	Th 17:00	REQ	--
ESO201(300) (CHE, ES, ME)	3-1-0 (11)	--	MWF 10:00		Th 10:00	REQ	--
ESO202 (310) (AE, CE,MSE)	3-1-0 (11)	--	MThF 10:00		W 10:00	REQ	--
ESO207 (300)	3-0-0 (12)	--	MWF 10:00		--	--	M/W 14:00
ESO204 (225) (AE,CHE,ES)	3-1-0 (11)	--	MWF 11:00		Th 11:00	REQ	
ESO225 (90) (MSE)	2-1- (8)	--	MW 11:00		Th 11:00	REQ	
ESO208 (150) (CE)5TH SEM	3-1-0 (11)	--	MThF 11:00		W 11:00	REQ	
ESO206 (60) (BSBE)	3-0-0 (09)	--	MWF 9:00		--	--	
ESO213 (50) (ES)	3-0-0 (09)	--	MWF 9:00		--	--	
MSO202m (500) (AE,EE,ME,PHY,SDS)	3-1-0 (06)	--	WThF 9:00		M 9:00	REQ	
MSO203m (610) (AE,CE,EE,ME,PHY)	3-1-0 (06)	--	WThF 9:00		M 9:00	REQ	
MSO205 (100) (MTH,SDS)	3-1-0-(11)		MThF 11:00		W 11:00		
HSO201 (200) (ECO,CE)	3-1-0-(11)		MThF 11:00		W 11:00		

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

Note: REQ- to be required

Core Time Table 2024-25/1st Semester

Preparation of the Departmental Time Table

Departmental time table templates of all departments/IDPs are available at the <u>urls</u> given in the following table:

TABLE-A

Department IDP	For downloading Departmental Template, paste the given url in your browser.
AE	http://www.iitk.ac.in/doaa/oddsemtt/odd-AE.doc
BSBE	http://www.iitk.ac.in/doaa/oddsemtt/odd-BSBE.doc
CE	http://www.iitk.ac.in/doaa/oddsemtt/odd-CE.doc
CGS	http://www.iitk.ac.in/doaa/oddsemtt/odd-CGS.doc
CHE	http://www.iitk.ac.in/doaa/oddsemtt/odd-CHE.doc
CHM	http://www.iitk.ac.in/doaa/oddsemtt/odd-CHM.doc
CSE	http://www.iitk.ac.in/doaa/oddsemtt/odd-CSE.doc
DES	http://www.iitk.ac.in/doaa/oddsemtt/odd-DES.doc
ECO	http://www.iitk.ac.in/doaa/oddsemtt/odd-ECO.doc
EE	http://www.iitk.ac.in/doaa/oddsemtt/odd-EE.doc
ES	http://www.iitk.ac.in/doaa/oddsemtt/odd-ES.doc
HSS	http://www.iitk.ac.in/doaa/oddsemtt/odd-HSS.doc
DoMS	http://www.iitk.ac.in/doaa/oddsemtt/odd-DoMS.doc
ME	http://www.iitk.ac.in/doaa/oddsemtt/odd-ME.doc
MSE	http://www.iitk.ac.in/doaa/oddsemtt/odd-MSE.doc
MSP	http://www.iitk.ac.in/doaa/oddsemtt/odd-MSP.doc
MTH	http://www.iitk.ac.in/doaa/oddsemtt/odd-MTH.doc http://www.iitk.ac.in/doaa/oddsemtt/odd-SDS.doc
PHY	http://www.iitk.ac.in/doaa/oddsemtt/odd-PHY.doc
PSE	http://www.iitk.ac.in/doaa/oddsemtt/odd-PSE.doc
SEE	http://www.iitk.ac.in/doaa/oddsemtt/odd-SEE.doc
SPASE	http://www.iitk.ac.in/doaa/oddsemtt/odd-SPASE.doc

Instructions for preparing the time table:

(1) Download the departmental time table template from the url as mentioned in TABLE-A.

(2) It can be noticed that all <u>UG departmental compulsory courses (and some other courses)</u> have already been scheduled. The schedules of these courses are fixed and cannot be changed by the departments. <u>However, the names of the instructors of these courses need to be provided by the department.</u>

(3) It is also be noticed 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) Please schedule the HSS, DE, OE and PG courses of your respective department in these slots by strictly following the instructions as given in the time table template.

(5) For each course, please 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) While scheduling the modular courses, please mention their offering time i.e. pre- mid semester (first half) or post mid-semester (second half).

(7) Please be 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 do not hesitate to contact OARS office in case of any doubt.

(8) 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.

(9) 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.

(10) 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.

(11) <u>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 available on Pingala.</u>

SHALABH
Dean, Academic Affairs