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

अधिष्ठाता, शैक्षिक कार्य
Dean of Academic Affairs

11 October, 2022

To: All Heads of Departments/IDPs

The soft copy of the class schedule for the Core Courses to be offered in the Second 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. 9). 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 21, 2022**.

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

1. It has been assumed that the composition of the 2nd year classes from 21 batch onwards 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 420 students. It has been done to take care of laboratory assignments and is mentioned on Page 13.

3. The course schedule for Batch D students will be as follows,
   3rd Semester: TA202A, HSS-1 and others
   4th Semester: TA201A, ESC201A and others

4. The course schedule for Batch C students will be as follows.
   3rd Semester: TA201A, ESC201A and others
   4th Semester: TA202A, HSS-1 and others

5. At least four HSS-1 courses will be offered every semester in L3-L6 (max. registration 125) primarily for 3rd and 4th semester students. HSS-1 courses will be offered in the 8-9 slot in the odd semesters and in the 17:10 – 18:00 slot in the even semesters

6. In odd semesters, maximum one (1) course with ART number can be offered in the 8-9 slot. Extra ART courses can be offered in the 9-10 slot. These courses will have a laboratory session on T 10:00 – 11:50 in lieu of the tutorial session on Th 8:00 or W9:00. The 8-9 ART course will be open to ONLY the students from CE and MSE departments.

Core Time table for 2022-23/Second Semester

7. In even semesters, maximum two (2) courses with ART number can be offered in the 17:10 – 18:00 slot. These courses will have a laboratory session on Th9:00 – 10:50 in lieu of the tutorial session on T 17:10. These courses will only be open to students from EE, CSE and MTH departments.

8. **COM200** will be offered as follows: Lec. T10:00; Lab. T11:00 – 12:50 slot in L7 in the odd semester for **AE, CHM, CSE, ECO, MTH, EE, PHY** students.

9. **COM200** will be offered as follows: Lec. Th18:00; Lab. Th10 – 11:50 slot in L7 in the even semester for **BSBE, CHE, MSE, ME, CE** students.

4th Semester Courses

Course No.	Units	Group	Lecture Time	Lecture Venue	Tutorial Time	Tutorial Venue	Laboratory
COM200	1-0-2 (05)	Batch B*	Th 18:00 –1 9:00	L7	--	--	Th 10:00 – 11:50, L7
ESC201A	3-1-3 (14)	D	MWTh17:10	L7	T 17:10		M/T/W/F 14:00 - 16:50
TA201A	1-0-3 (06)	D	T9:00	L7	--	--	M/T/W/Th/F 14:00 – 16:50
TA202A	1-0-3 (06)	C	T8:00	L7	--	--	M/T/W/Th/F 14:00 – 16:50
HSS-1 (2)	3-1-0 (11) 3-0-2 (11) (Only ART)	C EE, CSE, MTH	MWTh17:10	L3 L4 L5 L6	T 17:10		Th9:00 – 10:50 (only ART courses) (only EE, CSE, MTH) (in lieu of tutorial) Venue:**By Instructor**
ESO201A	3-1-0 (11)	--	MWTh12:00	L3	F 17:10		--
ESO202A	3-1-0 (11)	--	MThF 8:00	L16	W 8:00		--
ESO203A	3-1-2 (13)	--	MWTh12:00	L16	F17:10		M/T/W/Th14:00 – 15:50
ESO207A	3-0-3- (12)	--	TWF10:00	RM101			M/W/14:00 – 15:50
MSO201A	3-1-0 (11)	--	MThF 8:00	L7	W 8:00		--
HSO201A	3-1-0 (11)	-	MThF 8:00	L14	W 8:00		
PSO201A	2-1-0(08)	--	MTh 12:00	L2	W 12:00		--
CSO201A	3-1-0 (11)	--	MWTh 12:00	L1	F 17:10		--
CSO202A	3-1-0 (11)	--	MWTh 12:00	L17	F 17:10		--

Batch B*: BSBE, CHE, MSE, ME, CE Department students

Naming of Courses

1. 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.

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

ESO201A (11):	Thermodynamics	(OLD ESO202)
ESO202A (11):	Mechanics of Solids	(OLD ESO204)
ESO203A (13):	Introduction to Electrical Engineering	(OLD ESO210)
ESO204A (11):	Fluid Mechanics and Rate Processes	(OLD ESO212)
ESO205A (14):	Nature and Properties of Materials	(OLD ESO214)
ESO206A (11):	Biotechnology	(OLD ESO219)
ESO207A (12):	Data Structures	(OLD ESO211)
ESO208A (11):	Numerical Methods	(OLD ESO218)
ESO209A (08):	Dynamics	(OLD ESO206)

3. 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	

4. ESO / SO courses offered in the odd semesters are, ESO201A, ESO202A, ESO203A, ESO204A, ESO205A, ESO206A, ESO207A, ESO208A, ESO209A, MSO202a and MSO203b.

5. ESO / SO courses offered in even semesters are, ESO201A, ESO202A, ESO203A, MSO201A, 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 units of ESO /SO of which at least 08 units must be ESO and 08 units 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)**	**ESO202A (11)** **ESO201A (11)**
BSBE (at least 41 units) (any two from ESO201A / ESO205A / ESO208A)	**ESO206A(11)** ESO201A (11) ESO205A(14) ESO208A (11)	**HSO201A (11)** ESO201A(11)
CHE (at least 41 units) (any one from CSO201A / CSO202A)	**ESO201A(11)** **ESO208A (11)** **ESO205A (14) – 5thSem**	CSO201A(11) CSO202A (11)
CE (all Compulsory)	**ESO202A (11)** **ESO204A (11)** **MSO203b(06)** **ESO208A (11) – 5thSem**	**HSO201A (11)**
CHM (at least 41 units) (at least 08 units of SO) (at least 08 units of ESO)	ESO201A (11) ESO202A (11) ESO203A (13) ESO204A (11) ESO205A (14) ESO206A (11) ESO207A (12) ESO208A (11) ESO209A (08) MSO202a (06) MSO203b (06)	ESO201A (11) ESO202A (11) ESO203A (13) CSO202A (11) PSO201A (08)
CSE (at least 41 units) (at least 08 units of ESO)	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)
EE (at least 41 units)	**MASO202a (06)** **MSO203b (06)** ESO201A (11) ESO202A (11) ESO204A (11) ESO205A (14) ESO206A (11) ESO207A (12) ESO208A (11) ESO209A (08)	**MSO201A (11)** **ESO203A (13)** ESO201A (11) ESO202A (11) CSO201A (11) CSO202A (11) PSO201A (08)

Core Time table for 2022-23/Second Semester

Program		
ECO (at least 41 units) (at least 19 units of SO) (at least 08 units of ESO)	ESO201A (11) ESO202A (11) ESO203A (13) ESO204A (11) ESO205A (14) ESO206A (11) ESO207A (12) ESO208A (11) ESO209A (08) MSO202a (06) MSO203b (06)	HSO201A (11) ESO201A (11) ESO202A (11) ESO203A (13) CSO201A(11) CSO202A (11) PSO201A (08)
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 (12) – 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 (12) ESO208A (11) ESO209A (08) MSO202a (06) MSO203b (06)	PSO201A (08) ESO201A (11) ESO202A (11) ESO203A (14) CSO201A (11) CSO202A (11)
ES (at least 41 units) (at Least 08 units of ESO)	ESO213A(09) 3rdSem ESO204A (11) 5thSem ESO201A (11) ESO202A(11) ESO203A (13) ESO205A (14) ESO206A (11) ESO207A (12) ESO208A (11)	MSO201A (11) ESO201A (11) ESO202A (11) ESO203A (14) CSO201A (11) CSO202A (11)

Tutorial Section Assignment of ESC201 / ESO / SO tutorials

The maximum number of seats in each ESO / SO has been specified based on the size of the lecture hall and /or laboratory infrastructure. The total registration in an ESO / SO should not ordinarily exceed the maximum number. Some of the seats in an ESO / SO are compulsory seats, i.e., reserved for students for whom that ESO / SO is compulsory. Other seats are elective seats, i.e., open to students who want to take that ESO / SO as an

elective or are back-loggers / repeaters. The section assignments for tutorials of ESC / ESO / SO courses must be done as specified in the table below.

Tutorial Section Assignment in 4th Semester Courses

Semester	Course	Maximum Registration	Compulsory Seats	Extra/Elective Seats	Tutorial Sections
Even	ESC201A (Electronics) 3-1-3-0 (14)	444	CHE*: AE*: MSE*: CE*: PHY*: ECO*: CHM*: Total: 600	22 (for back-loggers)	Total twelve (12) sections with up to 37 students in each section
Even	ESO201A (Thermo.) 3-1-0-0 (11)	105	AE*: 48 Total: 48	57 (Elective seats and for back-loggers)	Only one (1) section consisting of 105 students
Even	ESO202A (Mechanics) 3-1-0-0 (11)	315	AE*: 48 ME*: 99 Total: 147	168 (Elective seats and for back-loggers)	Total nine (9) sections with up to 35 students in each section
Even	ESO203A (Electrical) 3-1-2-0 (13)	245	EE*: 131 ME*: 99 Total: 230	15 (Elective seats and for back-loggers)	Total seven (7) sections with up to 35 students in each section
Even	CSO201A (Org. Chm.) 3-1-0-0 (11)	210	CHE*:76	210 (Elective seats and for back-loggers)	Total six (6) sections with up to 35 students in each section
Even	CSO202A (Atoms etc.) 3-1-0-0 (11)	210		210 (Elective seats and for back-loggers)	Total six (6) sections with up to 35 students in each section
Even	MSO201A (Prob.& Stat.) 3-1-0-0 (11)	518	BSBE*: 40 CE*: 105 EE*: 131 ECO*: 40 CSE*: 92 MTH*:49 Msc 2 Yr MTH#: 41 Total: 498	20 (for back-loggers only)	Total five (5) sections with up to 105 students in each section
Even	PSO201A (Quant. Phy.) 2-1-0-0 (08)	210	PHY*: 28 MSE*: 97 Total: 125	85 (Elective seats and for back-loggers)	Total two (2) sections with up to 105 students in each section

*Compulsory in 4th Semester #Compulsory in 2nd Semester

Laboratory Section Assignment

The 2nd year students have been divided into various sections, C1 – C20, D1 – D20 and O1 – O12 for laboratory section assignments.

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

Core Time table for 2022-23/Second Semester

D1(CHE 30)	D2(CHE 30)	D3(CHE 30,)
D4(AE 30)	D5(AE 12, MSE 17)	D6(MSE 30)
D7(MSE 30)	D8(MSE 30)	D9(CE 30)
D10(CE 30)	D11(CE 30)	D12(PHY 30)
D13(CHE 30)	D14(ECO 30)	D15(CHM 30)
D16(AE 30)	D17(ECO 21)	D18(CE 30)
D19(CE 15, PHY 9)	D20(CE 29)	

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 32)	C2(EE 32,)	C3(EE 32)
C4(EE 32)	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 32)
C16(EE 32)	C17(ES 24, CSE 7)	C18(ME 30)
C19(ME 29)	C20(CSE 30)	

O1=D6(28) + D7(7)	O2 =D8(14) + D5(MSE=13)	O3=D7(21)+D8(14)
O4=CHE 5th Sem.	O5=CHE 5th Sem.	O6=C1(30)+C2(5)
O7=C2(25)+C3(10)	O8=C4(ME=15)+C5(20)	O9=C6(1)+C7(28)
O10=C5(8)+C6(27)	O11=C5(15)+C4(EE=11)	O12=C3(20)+C15(15)

Laboratory Section Assignment in 4thSemester Courses

Semester	Course	Maximum Registration	Compulsory Seats	Extra Seats	LaboratorySections
Even	**ESC201A (Electronics)** 3-1-3-0 (14)	600	CHE*: AE*: MSE*: CE*: PHY*: ECO*: CHM*: Total: 600	22 (for back-loggers)	M/T/W/Th/F: 14:00 – 16:50 Monday: D5, D8, D13, D16 Tuesday: D1, D2, D6, D7 Wednesday: D4, D12, D15, D19 Thursday: D3, D14, D17, D20 Friday: D9, D10, D11, D18 Up to 111 students per day i.e., three (3) sections per day, each with up to 37 students
Even	**TA201A (MSE)** 1-0-3-0 (06)	600	CHE*: AE*: MSE*: CE*: PHY*: ECO*: CHM*: Total: 600	28 (for back-loggers)	M/T/W/Th/F: 14:00 – 16:50 Monday: D1, D2, D3, D6 Tuesday: D4, D5, D13, D16 Wednesday: D7, D8, D9, D18 Thursday: D10, D11, D12, D19 Friday: D14, D15, D17, D20 Up to 30 students in each laboratory section i.e., three (3) sections per day, each with up to 30 students

Core Time table for 2022-23/Second Semester

Even	TA202A (ME) 1-0-3-0 (06)	600	EE*: ME*: MTH*: BSE*: CSE*: ES*: Total: 411	39 (for back-loggers)	M/T/W/Th/F: 14:00 – 16:50 Monday: C8, C9, C15 + Others Tuesday: C3, C12, C14 + Others Wednesday: C1, C2, C4 + Others Thursday: C5, C6, C7 + Others Friday: C10, C11, C13 + Others Up to 30 students in each laboratory section i.e., three (3) sections per day, each with up to 30 students
Even	ESO203A (Electrical) 3-1-2-0 (13)	350	EE*: 192 ME*: 149 Total: 341	10 (Elective seats and for back-loggers)	M/T/W/Th: 14:00 – 15:50 Monday: O6=C1(30) + C2(5) O7= C2(25) + C3(10) Tuesday: O8=C4(ME=15) + C5(20) O9=C6(1) + C7(28) + Others Wednesday: O10=C5(8) + C6(27) Thursday: O11=C15(15) + C4(EE=11) + Others O12=C3(20) + C15(15) Up to 35 students in each laboratory section

*Compulsory in the 4th semester
#Departmental compulsory course in 3rd semester

Time Table for 2nd/3rd Year Core, ESO and SO Courses
Even Semester

	8:00-8:50 (ESO/SO-1)	9.00-9:50	10:00-10:50	11:00-11:50	12:00-12:50 (ESO/SO-2)		14:00-14:50	15:00-15:50	16:00-16:50	17:10-18:00
M	ESO202(L) MSO201 (L)				ESO201 (L) ESO203 (L) CSO201 (L) CSO202 (L) PSO201 (L)		TA201 LAB. [D1, D2, D3, D6,] TA202 LAB. [C8, C9, C15, C16] ESC201 LAB. [D5, D8, D13, D16,] ESO203 LAB. O6=C1(30), C2(5), others O7= C2(25), C3(10), others			HSS-1 (L) [C] ESC201 (L) [D]
T	TA202 (L) [C]	TA201 (L) [D]					TA201 LAB. D4, D5, D13, D16] TA202 LAB. [C3, C12, C13, C20] ESC201 LAB. [D1, D2, D6, D7] ESO203 LAB. O8=C4(ME=15), C5(20), others O9=C6(1), C7(28), others			HSS-1 (T) [C] ESC201 (T) [D]
W	ESO202(T) MSO201 (T)				ESO201 (L) ESO203 (L) CSO201 (L) CSO202 (L) PSO201 (T)		TA201 LAB. [D7, D8, D9, D18] TA202 LAB. [C1, C2, C4, C18] ESC201 LAB. [D4, D12, D15, D19] ESO203 LAB. O10=C5(8), C6(27), others			HSS-1 (L) [C] ESC201 (L) [D]
Th	ESO202(L) MSO201 (L)	COM200 HSS I (P)	COM200(P) HSS I (P)	COM200(P)	ESO201 (L) ESO203 (L) CSO201 (L) CSO202 (L) PSO201 (L)		TA201 LAB. [D10, D11, D12, D19] TA202 LAB. [C5, C6. C7, C19] ESC201 LAB. [D3, D14, D17. D20] ESO203 LAB. O11=C15(15), C4(EE=11) + others O12=C3(20), C15(15), others			HSS-1 (L) [C] ESC201 (L) [D]
F	ESO202(L) MSO201 (L)						TA201 LAB. [D14, D15, D17, D20] TA202 LAB. [C10, C11, C14, C17] ESC201 LAB. [D9, D10, D11, D18]			ESO201 (T) ESO203 (T) CSO201 (T) CSO202 (T)

Core Time table for 2022-23/Second Semester

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/eventt/ae_even.doc
BSBE	http://www.iitk.ac.in/doaa/eventt/bsbe_even.doc
CE	http://www.iitk.ac.in/doaa/eventt/ce_even.doc
CHE	http://www.iitk.ac.in/doaa/eventt/che_even.doc
CHM	http://www.iitk.ac.in/doaa/eventt/chm_even.doc
CSE	http://www.iitk.ac.in/doaa/eventt/cse_even.doc
CGS	http://www.iitk.ac.in/doaa/eventt/cgs_even.doc
DESIGN	http://www.iitk.ac.in/doaa/eventt/des_even.doc
EE	http://www.iitk.ac.in/doaa/eventt/ee_even.doc
ECO	http://www.iitk.ac.in/doaa/eventt/eco_even.doc
ES	http://www.iitk.ac.in/doaa/eventt/es_even.doc
EEM	http://www.iitk.ac.in/doaa/eventt/eem_even.doc
HSS	http://www.iitk.ac.in/doaa/eventt/hss_even.doc
IME	http://www.iitk.ac.in/doaa/eventt/ime_even.doc
ME	http://www.iitk.ac.in/doaa/eventt/me_even.doc
MSE	http://www.iitk.ac.in/doaa/eventt/mse_even.doc
MTH	http://www.iitk.ac.in/doaa/eventt/mth_even.doc
MSP	http://www.iitk.ac.in/doaa/eventt/msp_even.doc
NET	http://www.iitk.ac.in/doaa/eventt/net_even.doc
PHY	http://www.iitk.ac.in/doaa/eventt/phy_even.doc
PSE	http://www.iitk.ac.in/doaa/eventt/pse_even.doc
SSA	http://www.iitk.ac.in/doaa/eventt/ssa_even.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.

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 realize 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 OARS.

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, Minor and PG courses. The corresponding day-wise schedule of the course will be reflected in OARS 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 OARS.

Shalabh
Dean, Academic Affairs