भारतीय प्रौद्योगिकी संस्थान, कानपुर

शैक्षिक विभाग

ACADEMIC SECTION

CORE COURSE CLASS SCHEDULE (2013-14 SEMESTER-I)

Dean, Academic Affairs	No. A(U)/XX-2/2013/
To: All Heads of Departments/IDPs	Dated 12 March, 2013
	Updated:

I send herewith the Electronic copy of the Class Schedule for the Core Courses to be offered in the First Semester of the Academic year 2013-14.

The departments/IDPs are requested to prepare their respective departmental time tables strictly as per instructions given in this document (see page 9). Please send a HARDCOPY of the departmental time table to DOAA office and/or a SOFTCOPY by email to **oars@iitk.ac.in** before ***02 April 2013***.

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

1. It has been assumed that the size of the 1st year class (incoming) from Y11 onwards will be approximately 833.

2. It is proposed that the incoming students be divided into two approximately equal batches (Batch A and Batch B) for 1st and 2nd semester courses.

3. Batch A shall consist of students from the following branches, AE (48), CHM (28), CSE (92), ECO (40), EE (131), MTH (49) and PHY (28), i.e., a total of 416 students.

4. Batch B shall consist of students from the following branches, BSBE (40), CE (105), CHE (76), ME (99) and MSE (97), i.e., a total of 417 students.

5. The course schedule for Batch A students will be as follows,
   - 1st Semester: MTH101, PHY102, TA101, LIF101, PHY101, HSS-1 / ENG112, PE101
   - 2nd Semester: MTH102, PHY103, ESC101, CHM101, CHM102, PE102

6. The course schedule for Batch B students will be as follows,
   - 1st Semester: MTH101, PHY103, ESC101, CHM101, HSS-1 / ENG112, PE101
   - 2nd Semester: MTH102, PHY102, TA101, LIF101, PHY101, CHM102, PE102

7. The time table has been designed such that all 1st year lecture classes (except HSS-1 / ENG 112) can be scheduled in L7. Hence, several 1st year lectures classes have been shifted to the afternoon slots.

8. For the 1st semester students, Four (4) HSS-1 courses will be offered in L3-L6 (max. registration 125 in each class) and three more in L8-L10 (maximum registration = 90 in each class). In addition, three sections of ENG112 will be scheduled in TB101-TB103 (maximum registration = 40 in each class). These courses will be scheduled in the 9:00 – 9:50 slot in the odd semesters, primarily for the 1st semester students.

9. TA101 and PHY101 laboratories have been shifted to the morning (10 am – 1 pm) slots. All 1st year laboratory sessions have been scheduled 4-days/week, with 3 sections per day.

10. Repeat courses (CHM102R and MTH102R) will be offered in odd semesters, while the repeat courses (MTH101R and ENG112R) will be offered in the even semesters. These courses will be offered with their regular course numbers, i.e., CHM102A, MTH102A, MTH101A and ENG112A.

11. Batch A students will be divided into 12 sections (A1 – A12) with up to 37 students in each section for the purpose of laboratory classes.

12. Batch B students will be divided into 12 sections (B1 – B12) with up to 37 students in each section for the purpose of laboratory classes.

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

Core Time table for 2013-14/First Semester

Day-wise Core Time Table: 1st Semester

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
Batch A			TA101(P) [A1, A2, A3]		PHY101(P) [A10, A11, A12]			PHY102(L)	MTH101(L)	
Batch B			MTH101(L)	PHY103(L)	ESC101(L)		ESC101(P) [B1, B2, B3]	CHM101(P) [B10, B11, B12]		
Repeat										MTH102R (L)

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
Batch A		HSS-1(L) ENG112(L)	TA101(P) [A4, A5, A6]		PHY101 (P) [A7, A8, A9]		TA101 (L)			
Batch B			MTH101 (T)	PHY103 (T)	ESC101 (T)		ESC101 (P) [B4, B5, B6];	CHM101 (P) [B7, B8, B9]		
Repeat	CHM102R (L)									MTH102R (T)

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
Batch A		HSS-1 (T) ENG112 (T)	TA101(P) [A10, A11, A12]		PHY101 (P) [A1, A2, A3]		LIF101 (L)	PHY102 (L)	MTH101 (L7)	
Batch B			MTH101 (L)	PHY103 (L)	ESC101 (L)		ESC101 (P) [B10, B11, B12];	CHM101 (P) [B1, B2, B3]		
Repeat										MTH102R (L)

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
Batch A		HSS-1(L) ENG112(L)	TA101(P) [A7, A8, A9]		PHY101 (P) [A4, A5, A6]		TA101 (L)	PHY102 (T)	MTH101 (T)	
Batch B							ESC101 (P) [B7, B8, B9];	CHM101 (P) [B4, B5, B6]		
Repeat	CHM102R (T)									MTH102R (L)

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
Batch A		HSS-1(L) ENG112(L)					LIF101 (L)	PHY102 (L)	MTH101 (L)	
Batch B			MTH101 (L)	PHY103 (L)	ESC101 (L)					
Repeat	CHM102R (L)									

Course-wise Core Time Table: 1st Semester

Course No.	Units	Group	Lecture		Tutorial		Laboratory
			Time	Venue	Time	Venue*	
MTH101	3-1-0 (11)	A	MWF 16:00	L7	Th 16		--
		B	MWF 10:00	L7	T 10		--
PHY101	0-0-3 (03)	A	--	--	--	--	M/T/W/Th 10:00 – 12:50
PHY103	3-1-0 (11)	B	MWF 11:00	L7	T 11		--
PHY102	3-1-0 (11)	A	MWF 15:00	L7	Th 15		--
CHM101	0-0-3 (03)	B	--	--	--	--	M/T/W/Th 14:00 – 16:50
LIF101	2-0-0 (06)	A	WF 14:00	L7	--	--	--
TA101	2-0-3 (09)	A	TTh 14:00	L7	--	--	M/T/W/Th 10:00 – 12:50
ESC101	3-1-3 (14)	B	MWF 12:00	L7	T 12		M/T/W/Th 14:00 – 16:50
HSS-1 (1)	3-1-0 (11)	A, B	TThF 9:00	L3 L4 L5 L6 L8 L9 L10	W 9		--
ENG112	3-1-0 (11)	A, B	TThF 9:00	TB101 TB102 TB103	W 9		--
CHM102R	2-1-0 (08)	BL*	TF 8:00	L8	Th 8		--
MTH102R	3-1-0 (11)	BL*	MWTh 17:10	L6	T 17:10		--

BL*: Back-Loggers

*The venues of the 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. It has been assumed that the composition of the 2nd year classes from Y11 batch onwards will consist of approximately 833 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 2nd year laboratory assignments.

3. Batch D shall consist of students from CHE, AE, MSE, CE, PHY, ECO and CHM departments

4. Batch C shall consist of students from EE, ME, MTH, BSBE, and CSE departments

5. The course schedule for Batch D students will be as follows,
   3rd Semester: TA202, HSS-1 and others
   4th Semester: TA201, ESC201 and others

6. The course schedule for Batch C students will be as follows.
   3rd Semester: TA201, ESC201 and others
   4th Semester: TA202, HSS-1 and others

7. Four HSS-1 courses will be offered every semester in L3-L6 (max. registration 125) primarily for 3rd and 4th semester students.

8. COM200 will be offered in T10:00 – 11:50 slot in L7 in the odd semester for Batch A students (as assigned earlier for 1st year courses), i.e., a total of 416 students.

9. COM200 will be offered in Th9:00 – 10:50 slot in L7 in the even semester for Batch B students (as assigned earlier for 1st year courses), i.e., a total of 417 students.

Naming of ESO/SO 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,

ESO201 (11):	Thermodynamics	(OLD ESO202)
ESO202 (11):	Mechanics of Solids	(OLD ESO204)
ESO203 (13):	Introduction to Electrical Engineering	(OLD ESO210)
ESO204 (11):	Fluid Mechanics and Rate Processes	(OLD ESO212)
ESO205 (14):	Nature and Properties of Materials	(OLD ESO214)
ESO206 (11):	Biotechnology	(OLD ESO219)
ESO207 (09):	Data Structures	(OLD ESO211)
ESO208 (11):	Numerical Methods	(OLD ESO218)
ESO209 (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	
MSO201 (11):	Probability and Statistics	(OLD ESO209)

Core Time table for 2013-14/First Semester

CSO201 (11):	Basic Organic Chemistry
CSO202 (11):	Atoms, Molecules and Photons
PSO201 (08):	Quantum Physics

4. ESO / SO courses offered in the odd semesters are, ESO201, ESO202, ESO203, ESO204, ESO205, ESO206, ESO207, ESO208, ESO209, MSO202a and MSO203b.

5. ESO / SO courses offered in even semesters are, ESO201, ESO202, ESO203, MSO201, CSO201, CSO202 and PSO201.

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)**	**ESO204 (11)** **MSO202a (06)** **MSO203b (06)**	**ESO202 (11)** **ESO201 (11)**
BSBE **(at least 41 units)** **(any two from ESO201 / ESO205 / ESO208)**	**ESO206 (11)** ESO201 (11) ESO205 (14) ESO208 (11)	**MSO201 (11)** ESO201(11)
CHE **(at least 41 units)** **(any one from CSO201 / CSO202)**	**ESO201 (11)** **ESO208 (11)** **ESO205 (14) – 5th Sem**	CSO201 (11) CSO202 (11)
CE **(all Compulsory)**	**ESO202 (11)** **ESO204 (11)** **MSO203b(06)** **ESO208 (11) – 5th Sem**	**MSO201 (11)**
CHM **(at least 41 units)** **(at least 08 units of SO)** **(at least 08 units of ESO)**	ESO201 (11) ESO202 (11) ESO203 (13) ESO204 (11) ESO205 (14) ESO206 (11) ESO207 (09) ESO208 (11) ESO209 (08) MSO202a (06) MSO203b (06)	ESO201 (11) ESO202 (11) ESO203 (13) CSO202 (11) PSO201 (08)
CSE **(at least 41 units)** **(at least 08 units of ESO)**	ESO201 (11) ESO202 (11) ESO203 (13) ESO204 (11) ESO205 (14) ESO206 (11) ESO208 (11) ESO209 (08) MSO202a (06) MSO203b (06)	**MSO201 (11)** ESO201 (11) ESO202 (11) ESO203 (13) CSO201(11) CSO202 (11) PSO201 (08)

Core Time table for 2013-14/First Semester

Departmental Requirements	Odd Semester (numbers in parenthesis denote credits)	Even Semester (numbers in parenthesis denote credits)
EE **(at least 41 units)**	**MSO202a (06)** **MSO203b (06)** ESO201 (11) ESO202 (11) ESO204 (11) ESO205 (14) ESO206 (11) ESO207 (09) ESO208 (11) ESO209 (08)	**MSO201 (11)** **ESO203 (13)** ESO201 (11) ESO202 (11) CSO201 (11) CSO202 (11) PSO201 (08)
ECO **(at least 41 units)** **(at least 19 units of SO)** **(at least 08 units of ESO)**	ESO201 (11) ESO202 (11) ESO203 (13) ESO204 (11) ESO205 (14) ESO206 (11) ESO207 (09) ESO208 (11) ESO209 (08) MSO202a (06) MSO203b (06)	**MSO201 (11)** ESO201 (11) ESO202 (11) ESO203 (13) CSO201(11) CSO202 (11) PSO201 (08)
MSE **(all compulsory)**	**ESO202 (11)** **ESO205 (14)** **MSO203b (06)** **ESO208 (11) – 5thSem**	**PSO201 (08)**
ME **(all compulsory)**	**ESO201(11)** **MSO202a (06)** **MSO203b (06)**	**ESO202(11)** **ESO203(13)**
MTH **(at least 41 units)**	**ESO207 (09) – 5thSem** ESO201 (11) ESO202 (11) ESO203(13) ESO204 (11) ESO205 (14) ESO206 (11) ESO208 (11) ESO209 (08) MSO202a (06) MSO203b (06)	**MSO201 (11)** ESO201 (11) ESO202 (11) ESO203 (13) CSO201 (11) CSO202 (11) PSO201 (08)
PHY **(at least 41 units)** **(at Least 08 units of ESO)**	ESO201 (11) ESO202 (11) ESO203 (13) ESO204 (11) ESO205 (14) ESO206 (11) ESO207 (09) ESO208 (11) ESO209 (08) MSO202a (06) MSO203b (06)	**PSO201 (08)** ESO201 (11) ESO202 (11) ESO203 (14) CSO201 (11) CSO202 (11)

Core Time table for 2013-14/First 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 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	ESC201 (L) [C] HSS-I (L) [D]	ESO206 (L) MSO202a (T) MSO203b (T)	ESO201 (L) ESO202 (L) ESO203 (L) ESO207 (L)	ESO204 (L) ESO205 (L) ESO208 (L)			TA201 LAB. [C3, C4, C15, others] TA202 LAB. [D9, D10, D11, others] ESC201 LAB. [C5, C6, C7, C1(20), others] ESO205 LAB. [O1=D6(28), D7(7), others]			ESO209 (L)
							ESO203 LAB. (Two section with up to 35 students per section)			
T	TA202 (L) [D]	TA201 (L) [C]					TA201 LAB. [C8, C9. C13, others] TA202 LAB. [D1, D2, D3, others] ESC201 LAB. [C4, C14, C15, C1(10), C2(10), others] ESC205 LAB. [O2=D8(14), D5(MSE=13), others]			ESO209 (T)
W	ESC201 (L) [C] HSS-I (L) [D]	ESO206 (L) MSO202a (L) MSO203b (L)	ESO201 (L) ESO202 (L) ESO203 (L) ESO207 (L)	ESO204 (L) ESO205 (L) ESO208 (L)			TA201 LAB. [C5, C6, C7] TA202 LAB. [D12, D13, D14] EOC205 LAB. [O3=D7(21), D8(14)]			ESO209 (L)
							ESO203 LAB. (Two section with up to 35 students per section)			
Th	ESC201 (T) [C] HSS-I (T) [D]	ESO206 (T) MSO202a(L) MSO203b(L)	ESO201 (T) ESO202 (T) ESO203 (T)	ESO204 (T) ESO205 (T) ESO208 (T)			TA201 LAB. [C1, C2, C14] TA202 LAB. [D4, D5, D6] ESC201 LAB. [C10, C11, C12, C3(25)] ESO205 LAB. [O4 = CHE 5th Semester only]			
F	ESC201 (L) [C] HSS-I (L) [D]	ESO206 (L) MSO202a (L) MSO203b (L)	ESO201 (L) ESO202 (L) ESO203 (L) ESO207 (L)	ESO204 (L) ESO205 (L) ESO208 (L)			TA201 LAB. [C10, C11, C12, others] TA202 LAB. [D7, D8, D15, others] ESC201 LAB. [C8, C9, C13, C2(20), C3(5), others] ESO205 LAB. [O5-CHE 5th Semester only]			

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

Course No.	Units	Group	Lecture Time	Lecture Venue	Tutorial Time	Tutorial Venue*	Laboratory
COM200	1-0-2 (05)	A*	T 10:00 – 11:50	L7	--	--	T 10:00 – 11:50, L7
ESC201	3-1-3 (14)	C	MWF 8:00	L7	Th 8:00		M/T/Th/F 14:00 – 16:50
TA201	1-0-3 (06)	C	T 9:00	L7	--	--	M/T/W/Th/F 14:00 – 16:50
TA202	1-0-3 (06)	D	T 8:00	L7	--	--	M/T/W/Th/F 14:00 – 16:50
HSS-1 (2)	3-1-0 (11)	D	MWF 8:00	L3 L4 L5 L6	Th 10:00		--
ESO201	3-1-3 (11)	--	MWF 10:00	L16	Th 10:00		--
ESO202	3-1-3 (11)	--	MWF 10:00	L17	Th 10:00		--
ESO203	3-1-2 (13)	--	MWF 10:00	L1	Th 10:00		M/W 14:00 – 16:50
ESO204	3-1-0 (11)	--	MWF 11:00	L16	Th 11:00		
ESO205	3-1-3 (14)	--	MWF 11:00	L2	Th 11:00		M/T/W/Th/F 14:00 – 16:50
ESO206	3-1-0 (11)	--	MWF 9:00	L1	Th 9:00		
ESO207	3-0-0 (09)	--	MWF 10:00	L2	--	--	
ESO208	3-1-0 (11)	--	MWF 11:00	L17	Th 11:00		
ESO209	2-1-0 (08)	--	MW 17:10	L2	T 17:10		
MSO202a	3-1-0 (06)	--	WThF 9:00	L7	M 9:00		
MSO203b	3-1-0 (06)	--	WThF 9:00	L7	M 9:00		

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

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

Core Time table for 2013-14/First 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/oddsemtt/odd-AE.docx
BSBE	http://www.iitk.ac.in/doaa/oddsemtt/odd-BSE.docx
CE	http://www.iitk.ac.in/doaa/oddsemtt/odd-CE.docx
CHE	http://www.iitk.ac.in/doaa/oddsemtt/odd-CHE.docx
CHM	http://www.iitk.ac.in/doaa/oddsemtt/odd-CHM.docx
CSE	http://www.iitk.ac.in/doaa/oddsemtt/odd-CSE.docx
HSS	http://www.iitk.ac.in/doaa/oddsemtt/odd-HSS.docx
EE	http://www.iitk.ac.in/doaa/oddsemtt/odd-EE.docx
MTH	http://www.iitk.ac.in/doaa/oddsemtt/odd-MTH.docx
ME	http://www.iitk.ac.in/doaa/oddsemtt/odd-ME.docx
MSE	http://www.iitk.ac.in/doaa/oddsemtt/odd-MSE.docx
PHY	http://www.iitk.ac.in/doaa/oddsemtt/odd-PHY.docx
IME	http://www.iitk.ac.in/doaa/oddsemtt/odd-IME.docx
DESIGN	http://www.iitk.ac.in/doaa/oddsemtt/odd-MDES.docx
EEM	http://www.iitk.ac.in/doaa/oddsemtt/odd-EEM.docx
PSE	http://www.iitk.ac.in/doaa/oddsemtt/odd-PSE.docx
MSP	http://www.iitk.ac.in/doaa/oddsemtt/odd-MSP.docx
NET	http://www.iitk.ac.in/doaa/oddsemtt/odd-NT.docx
ECO	http://www.iitk.ac.in/doaa/oddsemtt/odd-ECO.docx

Instructions:

1. Download the departmental time table template

2. You will notice 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.</u>

3. You will also notice that several types of slots, i.e., HSS-I sand 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, UG-elective 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.

Dheeraj Shanghi
Dean, Academic Affairs