राष्ट्रीय प्रौद्योगिकी संस्थान राउरकेला
National Institute of Technology Rourkela
CENTRAL TIME TABLE, SPRING SEMESTER 2024-25
For all Semesters, all Branches, all Programme and all Courses

GENERAL SLOT INFORMATION (T-P Sequence)

Period / Day	1	2	3	4		5	6	7	8	9
MON	TA1	TB1	TC1	TE1	LUNCH	PA			TF1	ZA1
							PI			
TUE	TB2	TC2	TD1	TE2		PB			TF2	ZB1
							PJ			
WED		PX				TG1	SA1	SB1	SC1	ZA2
	PZ		PU							
	SM1	SJ1	SK1	SL1			PY			
							PV		PW	
THU	TC3	TD2	TA2	TG2		PC			TF3	ZB2
							PK			
FRI	TD3	TA3	TB3	TE3		PD			TG3	ZA3
							PL			

GENERAL SLOT INFORMATION (P-T Sequence)

Period / Day	1	2	3	4		5	6	7	8	9
MON	PE			TE1	LUNCH	TJ1	TK1	TL1	TF1	ZA1
		PM								
TUE	PF			TE2		TK2	TL2	TM1	TF2	ZB1
		PN								
WED		PX				TG1	SA1	SB1	SC1	ZA2
	PZ		PU							
	SM1	SJ1	SK1	SL1			PY			
							PV		PW	
THU	PG			TG2		TL3	TM2	TJ2	TF3	ZB2
		PQ								
FRI	PH			TE3		TM3	TJ3	TK3	TG3	ZA3
		PS								

SPRING SEMESTER 2024-25

CLUSTER-WISE GROUPING ARRANGEMENT FOR UG FIRST YEAR

Sl.No.	Cluster / (Disciplines)	Cluster No.
1	Mechanical (ME, ID, MM, MN, CE, PA)	CL1
2	Electrical (EE, EC, EI, CS, AI/ML)	CL2
3	Chemical (CH, CR, BM, BT, FP)	CL3
4	Integrated Sciences (PH, CY, MA, LS)	CL4

CLUSTER-WISE SEQUENCE FOR UG FIRST YEAR

THEORY COURSES		
Cluster and Disciplines	**Departments**	**Sequence**
CL1	ME + ID	P-T
CL1	MM + MN	P-T
CL1	CE	P-T
CL1	PA	P-T
CL3	CH+CR	P-T
CL3	BM+BT+FP	P-T
CL2	CS	T-P
CL2	AI/ML	T-P
CL2	EC+EI	T-P
CL2	EE	T-P
CL4	LS+MA+PH+CY	T-P

Time Table Information for UG 2nd Semester

THEORY

THEORY COURSES					
Course Basket	**COURSE ID**	**COURSE TITLE (L-T-P)**	**DEPARTMENTS**	**TIME SLOT**	**ROOM NO**
Applied Mathematics – II (3- 0-0=3)	MA1004	Applied Mathematics – II	ME	TJ	LAII-006
			MM+MN	TJ	LAII-118
			CE+ID	TL	LAII-002
			CH+CR	TL	LAII-104
			BM+BT+FP	TL	LAII-009
			CS+AI/ML	TC	LAII-006
			EC+EI	TC	LAII-118
			LS+MA+PH+CY	TD	LAII-002
			EE	TD	LAII-104
Applied Physics (3-0-0=3)	PH1004	Electromagnetic and quantum Physics	CS1+ AI/ML+EE1	TA	LAII-006
			CS2+AI/ML+EE2	TA	LAII-009
			EC+EI	TA	LAII-118
	PH1006	Modern Physics	LS+MA+PH+CY	TB	LAII-002
Applied Chemistry (3-0-0=3)	CY1002	Chemistry of Materials for Energy Applications	ME	TL	LAII-006
			MM+MN	TL	LAII-118
			CE+ID	TJ	LAII-002
	CY1004	Analytical Chemistry and Biomolecules	CH+CR	TJ	LAII-104
			BM+BT+FP	TJ	LAII-009
Biological Science (2-0-0=2)	LS1001	Biology	CS1+AI/ML	TD	LAII-006
			CS2+AI/ML	TD	LAII-122
			EC+EI	TD	LAII-118
			EE	TB	LAII-104
			LS+MA+PH+CY	TA	LAII-002
Engineering Fundamentals (3-0-0=3)	CE1100	Engineering Mechanics	CS	TE	LAII-006
			EE	TE	LAII-104
			ME	TE	LAII-009
			BM+BT+CR+FP	TK	LAII-009
	EE1000	Basic Electrical Engineering	MM+MN	TG	LAII-118
			CE+ID	TK	LAII-002
			CS1+AI/ML	TB	LAII-006
			CS2+AI/ML	TB	LAII-122

			EC+EI	TB	LAII-118
			CH	TG	LAII-104
			LS+MA+PH	TC	LAII-002
	EC1000	Basic Electronics Engineering	ME1	TM	LAII-222
			ME2	TM	LAII-122
			MM	TM	LAII-201
			MN	TM	LAII-114
			CE+ID	TM	LAII-002
			CH	TM	LAII-104
			CR+FP	TM	LAII-006
			EE1	TC	LAII-109
			EE2	TC	LAII-114
			MA+PH+CY+LS	TE	LAII-222
	BM1002	Introduction to Bioengineering	LS	ZA	LAII-104
			CY	ZA	LAII-118
			BM+BT	ZA	LAII-002
	ME1002	Basic Thermal Engineering	EC+EI	ZA	LAII-006
Environment and Safety Engineering (3-0-0=3)	CH1400	Environment and Safety Engineering	ME	TK	LAII-006
			MM+MN	TK	LAII-118
			CE+ID	TF	LAII-002
			CH+CR	TE	LAII-118
			BM+BT+FP	TF	LAII-009
Communicative English (2-0-0=2)	HS1300	Communicative English	ME	TF	LAII-006
			MM+MN	TF	LAII-118
			CE+PA+ID	TE	LAII-002
			CH+CR	TF	LAII-104
			BM+BT+FP	TE	LAII-201
Value Education and Ethics (1-0-0=1)	EA1270	Value Education and Ethics	PA	TG	TBA*
			CS1+AI/ML	TG	TBA*
			CS2+AI/ML	TG	TBA*
			EE	TG	TBA*
			EC+EI	TG	TBA*
			LS+PH+CY+MA	TG	TBA*

***TBA – To be assigned**

Time Table Information for UG 2nd Semester

LABORATORY/ SESSIONAL COURSES

LABORATORY COURSES				
COURSE ID	**COURSE TITLE (L-T-P)**	**GROUP**	**TIME SLOT**	**ROOM**
PH1070	Applied Science Lab (Physics) (0-0-3=2)	CS1	PA	Department of Physics
		CS2+AI/ML	PB	
		EC+EI	PY	
		EE	PD	
		LS+PH+CY+MA	PX	
CY1170	Applied Science Lab (Chemistry) (0-0-3=2)	ME1	PE	Department of Chemistry
		ME2	PE	
		MM	PF	
		MN	PF	
		CE	PG	
		ID	PG	
		CH	PH	
		CR	PH	
		BM+BT1	PX	
		BT2+FP	PX	
CE1010	Computer Aided Drawing and Graphics (0-0-3=2)	ME	PH	LA209
		MM+MN	PH	LA109
		CE+ID	PH	LA309
		CH+CR	PG	LA209
		BM+BT+FP	PY	LA209
CS1010	Programming for Problem Solving (0-0-3=2)	CS1	PC	LA108
		CS2+AI/ML	PC	LA109
		EC	PC	LA110
		EI	PC	LA208
		EE	PC	LA209
		LS+PH+CY+MA	PC	LA309
ME1000	Workshop Practice (0-0-3=2)	CS1	PB	Central Workshop
		CS2+AI/ML	PD	
		PA	PE	
		EC+EI	PA	
		EE	PX	
		LS+PH+CY+MA	PY	

TIME TABLE INFORMATION FOR UG SPRING (4th, 6th and 8th) SEMESTER (COMMON COURSES - THEORY)

THEORY COURSES				
COURSE ID	**COURSE TITLE (L-T-P)**	**Branch**	**TIME SLOT**	**ROOM**
PH2002	Optics	PH, MA,CY	TD	TBA*
PH2006	Waves and Oscillations	MA+PH	TF	TBA*
PH3002	Introduction To Condensed Matter Physics	MA+PH	TL	TBA*
PH3005	Elements of Quantum Mechanics	MA+PH	TM	TBA*
MA2002	Introduction to Complex Analysis	MA+PH	TF	TBA*
MA3202	Linear Programming	MA+PH	TK	TBA*
SM6611	Business Research Methodology	CH, CR, FP, CY, LS, PH (6th Sem)	TF	TBA*
BM4612	Artificial Intelligence and Machine Learning	BM+BT+ID	TE	TBA*
CE3202	Design of Steel Structure	CE+PA	TG	TBA*
PA3912	Theory of Design	PA+ID	TM	TBA*
XXXX	Value added courses	All Branches (4th Sem)	TG	TBA*
XXXX	HS Electives-II	All Branches (4th Sem)	TE	TBA*
XXXX	Technology in Society	All Branches (4th Sem)	ZB	TBA*
XXXX	Additional Courses	All Branches (4th Sem)	ZA	
XXXX	Minor Electives	All Branches (6th Sem)	TF	TBA*

***TBA – To be assigned**

TIME TABLE INFORMATION FOR UG SPRING (4th, 6th and 8th) SEMESTER

(COMMON COURSES – LABORATORY/SESSIONAL)

LABORATORY/SESSIONAL COURSES				
COURSE ID	**COURSE TITLE (L-T-P)**	**Branch**	**TIME SLOT**	**ROOM**
HS1270	Language Lab (0-0 -2)	BM	PJ	LA208
		BT	PJ	LA310
		CE	PJ	LA309
		CR+MN	PJ	LA109
		CS1	PJ	LA209
		CS2	PJ	LA209
		CY+LS+MA	PJ	LA108
		PH+PA	PJ	LA110
		CH1	PN	LA208
		CH2	PN	LA310
		EE1	PN	LA209
		EE2	PN	LA209
		EC	PN	LA110
		EI1	PN	LA209
		EI2	PN	LA309
		FP+ID	PN	LA108
		ME1+MM1	PN	LA109
		ME2+MM2	PN	LA309
PH2072	Waves and Optics Laboratory	PH+MA+CY	PC	Department of Physics
CY3704	Quantitative Analysis of Inorganic Compounds	CY+MA	PY	Department of Chemistry
CY2172	Functional Group Estimation Laboratory	CY+PH	PX	Department of Civil Engg.
		BM	PI	LA208
		BT	PI	LA310
		CE	PI	LA309
		CR+MN	PI	LA109
		CS1	PI	LA209
		CS2	PI	LA209

CS2672	AI.ML Laboratory (0-0-2)	CY+LS+MA	PI	LA108
		PH+PA	PI	LA110
		CH1	PM	LA208
		CH2	PM	LA310
		EE1	PM	LA209
		EE2	PM	LA209
		EC	PM	LA110
		EI1	PM	LA209
		EI2	PM	LA309
		FP+ID	PM	LA108
		ME1+MM1	PM	LA109
		ME2+MM2	PM	LA309
	Minor Lab	All Branches	PY	Respective departments offering the courses

Time Slot Sequence

(All departments are requested to follow the semester wise allotted time slot sequence)

Sem → / ↓ Dept	**4th**	**6th**	**8th**	**10th**
BM/BT	T-P	P-T	T-P	-
CR	T-P	P-T	T-P	-
CE	T-P	P-T	T-P	-
CH	P-T	P-T	T-P	-
CS	T-P	P-T	T-P	-
EE	P-T	P-T	T-P	-
EC, EI	P-T	P-T	T-P	-
FP	P-T	T-P	P-T	-
ID	P-T	P-T	T-P	-
ME	P-T	P-T	T-P	-
MM	P-T	P-T	T-P	-
MN	T-P	P-T	T-P	-
CY	T-P	P-T	T-P	P-T
LS	T-P	P-T	T-P	P-T
MA	T-P	P-T	T-P	P-T
PH	T-P	P-T	T-P	P-T
ER	T-P	P-T	-	-
PA	T-P	P-T	-	-

SAMPLE NOTATIONS

SEQUENCE	THEORY SLOTS	LABORATORY SLOTS
T-P	TA, TB, TC, TD, TE, TF, TG,	PA, PB, PC, PD, PX, PI, PJ, PK, PL, PU
P-T	TJ, TK, TL, TM, TE, TF, TG	PE, PF, PG, PH, PY, PM,PN, PQ, PS,PV

PA, PB, PC, PD, PE, PF, PG, PH, PX, PY = slots for 3 hour Practical courses (L-T-P : 0-0-3)

PI, PJ, PK, PL, PM, PN, PQ, PS, PU, PV = slots for 2 hour Practical courses (L-T-P : 0-0-2)

Course Allocation

1. All departments are requested to follow the semester wise allotted time slot sequence. 2 hr slots may beallotted for 2 hr Practical courses
2. TF slot is reserved for Minor courses. In case of time clashing issues for common subjects, TE slot can be assigned to minor degree courses.
3. PV slot is reserved for Minor Laboratory courses.
4. TE slot is reserved for HS Elective.
5. TE and TF slots can be used for both P-T and T-P sequence courses.
6. TG slot is to be used for 3-credit courses or Tutorials only.
7. SA1, SB1, SC1, SM1, SJ1, SK1 and SL1 slots will be used for tutorials only (No theory).
8. If a department fulfills its tutorial requirements by tutorial slots in point 9, (i.e., at least three 4-credit courses),it can offer theory in TG slot.
9. TG slot can be used for PE if available.
10. If a sessional fall in PX or PY slot, then the tutorials may be suitably allocated in the afternoon / morningsession respectively.
11. ZA is a THEORY SLOT and ZB1 & ZC1 are its associated tutorial slots. This slot will be allotted by anydepartment only if all other options have been found unsuitable for a particular subject.

Association of Tutorial slots with Theory slots

Theory Slot	TA	TB	TC	TD	TE	TF	TJ	TK	TL	TM
Associated Tutorial Slot	SA1	SB1	SC1	TG1	TG2	TG3	SJ1	SK1	SL1	SM1