

**List of Courses Offered for Jan-June 2024 Semester**

S. No.	Course Code	Course Title	Credits	Segment	Slot	Pre-Requisites (if any)	Course Instructor(s) Name	Remarks(if any)	Room Booked
<b>Under Graduate Program</b>									
1	CY1031	Chemistry Lab	2	1-4	AN1, AN2, AN4, AN5	None	SP + JP + NK + KBG	IC Btech Sem 2	<b>LAB</b>
2	IC1030	Introduction to Systematic Inorganic Chemistry & Applications	3	1-6	D	None	SV	IC Btech Sem 2	<b>CY-LH-2</b>
3	IC1040	Thermodynamics-I	3	1-6	B	None	SP	IC Btech Sem 2	<b>CY-LH-2</b>
4	IC1050	Introduction to Quantum Chemistry	2	1-4	C	None	DK	IC Btech Sem 2	<b>CY-LH-2</b>
5	IC2080	Transport Properties	2	1-4	S	None	SM	IC Btech Sem 2	<b>CY-LH-2</b>
6	IC2040	Food Technology	2	1-4	A	None	KG	IC Btech Sem 4	<b>CY-LH-2</b>
7	IC2021	Synthesis and separation lab	2	1-4	FN2	None	FAK + GS	IC Btech Sem 4	<b>LAB</b>
8	IC2050	Coordination Chemistry and Study of Transition Metal Complexes	2	1-4	Q	None	SNM	IC Btech Sem 4	<b>CY-LH-2</b>
9	IC3040	Spectroscopy and Applications	2	1-4	S	None	KN + KVR	IC Btech Sem 4	<b>CY-LH-1</b>
10	IC2070	Polymer Science-I	3	1-6	R	None	PC	IC Btech Sem 4	<b>CY-LH-2</b>
11	IC3070	Heterogeneous Catalysis	3	1-6	P	None	SP + CS	IC Btech Sem 4 (department elective)	<b>CY-LH-2</b>
12	IC4060	Molecular Spectroscopy	2	1-4	C	None	CMR	IC Btech Sem 4 (department elective)	<b>CY-LH-3</b>
<b>Post Graduate Courses</b>									
1	CY5020	Advanced Organic Chemistry of Multiple Bonds	3	1-6	B	None	KN + AS		<b>CY-LH-3</b>
2	CY5130	Advanced Inorganic Chemistry	3	1-6	G	None	GP		<b>CY-LH-3</b>
3	CY5211	Physical Chemistry Lab	2	1-6	FN5	None	KG + MA		<b>LAB</b>
4	CY5230	Statistical thermodynamics and surface science	3	1-6	Q	None	AM + NK		<b>CY-LH-3</b>
5	CY5250	Chemical binding and molecular symmetry	3	1-6	R	None	BSM + DK	MSc+PhD	<b>CY-LH-3</b>
6	CY5030	Spectroscopy and applications	3	1-6	P	None	KN + KVR	MSc+PhD	<b>CY-LH-3</b>
7	CY6340	DNA Nanotechnology and applications	3	1-6	F	None	AKM	MSc+PhD (Elective )	<b>CY-LH-3</b>
8	CY6330	Organic Electronics and Photonics	3	1-6	S	None	FAK+ GS + KVR + AKM	MSc+PhD (Elective )	<b>CY-LH-3</b>
9	CY6510	Organolanthanide Chemistry	3	1-6	D	None	TKP	MSc+PhD (Elective )	<b>CY-LH-3</b>
10	CY6540	Fundamentals and Applications of Small Molecule X-Ray Crystallography	3	1-6	B	None	JP	MSc+PhD (Elective )	<b>B-115</b>
11	CY 6990	Scientific Writing in Chemical Research	3	1-6	G	None	MA	PhD (Elective )	<b>CY-LH-2</b>
12	CY5153	Magnetochemistry: From Fundamentals to Single Molecule Magnets	3	1-6	Q	None	SKS	MSc+PhD (Elective )	<b>Comp Lab</b>
13	CY6300	Chemistry of Natural Products and Biomolecules	3	1-6	A	None	FAK + GS	MSc+PhD (Elective )	<b>CY-LH-3</b>
13	CY5140	Introduction to Optical Materials and their applications	3	1-6	E	None	SV	MSc+PhD (Elective )	<b>CY-LH-3</b>
15	CY6016	Project	12	1-6		None	SNM	MSc 2nd Year	

AKM: Ashutosh Kumar Mishra; AM = Arup Mahata; AS = Abhijit Sau  
BSM= Bhabani S. Mallik; CS: Ch. Subrahmanyam; CMR = Chilla Malla Reddy

DK = Debashish Koner; FAK = Faiz Ahemd Khan; GP = Ganesan Prabusankar

GS = G. Satyanarayana; JP = Jai Prakash; KN = Kishore Natte; KG = Krishna Gavvala

KBG = Koyel Banerjee Ghosh; KVR = Venkat Rao Kotagiri; MA = M. Annadhasan

NK = Narendra Kurra; PC= Priyadarshi Chakraborty; SM = Surajit Maity;

SNM = Somnath Maji; SKS = Saurabh K. Singh; SP = Sudarsanam Putla

SKM = Surendra K. Martha; SV = Sivakumar Vaidyanathan; TKP = Tarun K. Panda

## 1 hour + 1.5 hour Slot Template

	9:00 9:55	10:00 10:55	11:00 11:55	12:00 12:55	12:55 14:30	14:30 15:55	16:00 17:25
Monday	A	B	C	D	Lunch	P	Q
	FN1					AN1	
Tuesday	D	E	F	G		R	S
	FN2					AN2	
Wednesday	B	C	A	G		F	Challenge Lectures
	FN3						
Thursday	C	A	B	E		Q	P
	FN4					AN4	
Friday	E	F	D	G		S	R
	FN5					AN5	

- Total Slots:
  - 1 hour slots: 7 slots (A to G)
  - 1.5 hour slots: 4 slots (P to S)
- LA/CA Slots: G-slot (all years)
- Minor Slots:
  - 3<sup>rd</sup> year: C & P slots
  - 4<sup>th</sup> year: E & Q slots
- Misc Notes:
  - There is no AN3 slot. It has been skipped to maintain parity with morning/afternoon lab slots.
  - Based on the mutual convenience of the faculty and students, the 12:00 to 12:55 classes may be extended till 13:25 if a 1.5 hour session is felt suitable.
  - Earlier differentiation of Minor-1, Minor-2 has been discontinued. There are two minor slots: one 1hr and one 1.5hr. Depending on the course, the appropriate one may be chosen.