

BANKURA UNIVERSITY
DEPARTMENT OF CHEMISTRY
SEM-I and SEM-III routine for Chemistry A.Y. 2021-2022

Day	Semester	1 st period (11.00 am – 12.00 noon)	2 nd period (12.00 noon – 1.00 pm.)	3 rd period (1.00 p.m. – 2.00 p.m.)	4 th period (2.00 p.m. – 3.00 p.m.)	5 th period (3.00 p.m. – 4.00 p.m.)
Monday	I	DR	PG	SGP	RCM	RCM
	III	Physical Chemistry Practical AKM+RCM		Organic Chemistry Practical JP+AT		
	PhD	Coursework AT/JP				
Tuesday	I	JK	SM	GKG	AT	AT
	III	Organic Chemistry Practical JP+AT		Physical Chemistry Practical AKM+RCM		
	PhD	Literature review AKM/RCM				
Wednesday	I	JP	JP	Remedial Class (JP/AKM)	AKM	AKM
	III	RCM	RCM	Remedial Class (RCM/AT)	AT	AT
Thursday	I	Organic Chemistry Practical AT+JP		Inorganic Chemistry Practical RCM+AKM		
	III	JK	DR	GKG	PG	SGP
	PhD	Coursework RCM/AKM				
Friday	I	Inorganic Chemistry Practical RCM+AKM		Organic Chemistry Practical AT+JP		
	III	JP	JP	SM	AKM	AKM
Saturday	EID				RCM/JP	AKM/AT

Dr. Abu Taher (AT), Dr. Ram Chandra Maji (RCM), Dr. Jaya Pal (JP), Dr. Amit Kr. Mandal (AKM), Dr. Prabir Ghosal (PG), Dr. Shanti Gopal Patra (SGP), Dr. Goutam Kr. Ghosh (GKG), Dr. Samir Mandal (SM), Dr. Dipak Rana (DR), Dr. Jayanta Kundu (JK)

 Offline Classes  Online classes

Total no of Classes per week taken by the Permanent Teachers / Special Lecturar

SN	Permanent Teachers / Special Lecturar	Total No of Classes per week
1	Dr. Abu Taher (AT)	16
2	Dr. Ram Chandra Maji (RCM)	17
3	Dr. Jaya Pal (JP)	16
4	Dr. Amit Kr. Mandal (AKM),	17
5	Dr. Prabir Ghosal (PG)	2
6	Dr. Shanti Gopal Patra (SGP)	2
7	Dr. Goutam Kr. Ghosh (GKG)	2
8	Dr. Samir Mandal (SM)	2
9	Dr. Dipak Rana (DR)	2
10	Dr. Jayanta Kundu (JK)	2

Syllabus of Semester-I and Expertise's

Specialization	Chapters	Name of Permanent Faculty	Name of Special Lecturer (SL)
Inorganic Chemistry	Organometallic Chemistry		Dr. Shanti Gopal Patra (SGP)
	Electro- and Thermo-analytical Techniques	Dr. Ram Chandra Maji	
	Advanced Bioinorganic Chemistry	Dr. Ram Chandra Maji	
	Chemistry of Coordination Compounds		Dr. Prabir Ghosh
	Metal-Ligand Equilibria in Solution	Dr. Ram Chandra Maji	

Organic Chemistry	Bonding in Organic Molecules		Dr. Samir Mandal (SM)
	Stereochemistry and Conformational Analysis-I	Dr. Jaya Pal	
	NMR Spectroscopy		Dr. Gautam Kr. Ghosh
	Mass Spectroscopy	Dr. Abu Taher	
Physical Chemistry	The Foundations of Quantum Mechanics		Dr. Jayanta Kundu
	Free particle and Particle-in-Box		Dr. Jayanta Kundu
	Group Theory-I	Dr. Amit Kumar Mandal	
	Electrochemistry	Dr. Amit Kumar Mandal	
	Chemical kinetics		Dr. Dipak Rana
Inorganic Chemistry Practical		Dr. Ram Chandra Maji + Dr. Amit Kumar Mandal	
Organic Chemistry Practical		Dr. Abu Taher + Dr. Jaya Pal	

Syllabus of Semester-III and Expertise's

Specialization	Chapters	Name of Permanent Faculty	Name of Special Lecturer (SL)
Inorganic Chemistry	Inorganic Photochemistry	Dr. Ram Chandra Maji	
	Magnetochemistry	Dr. Ram Chandra Maji	
	Inorganic Reaction Mechanism		Dr. Prabir Ghosh
	Concepts of Supramolecular Chemistry		Dr. Prabir Ghosh
	Environmental Chemistry		Dr. Shanti Gopal Patra (SGP)
Organic Chemistry	Synthetic Methodology and Advance Organic Synthesis		Dr. Samir Mandal (SM)
	Green Chemistry and Nanoscience		Dr. Gautam Kr. Ghosh
	Natural Product-I	Dr. Jaya Pal	
	Organometallic Chemistry of Transition Elements	Dr. Abu Taher	
Physical Chemistry	Group Theory-II	Dr. Amit Kumar Mandal	
	Surface Chemistry and Bio-Physical Chemistry		Dr. Jayanta Kundu
	Macromolecules	Dr. Amit Kumar Mandal	

	Electric and Magnetic properties of Matter	Dr. Amit Kumar Mandal	
	Thermodynamics of irreversible processes		Dr. Dipak Rana
Physical Chemistry Practical		Dr. Amit Kumar Mandal + Dr. Ram Chandra Maji	
Organic Chemistry Practical		Dr. Jaya Pal + Dr. Abu Taher	