

Curriculum
Ph.D.
NEW Program



॥ त्वं ज्ञानमयो विज्ञानमयोऽसि ॥

Indian Institute of Technology Jodhpur

Proposed Curriculum
Ph.D. (Chemistry)
 NEW Program

Cat.	Course Number: Course Title	L-T-P	Credits		Cat.	Course Number: Course Title	L-T-P	Credits
I Semester					II Semester			
E	Electives				E	Electives		
Total					Total			
III Semester					IV Semester			
H	CY799 Ph.D. Thesis				H	CY799 Ph.D. Thesis		
Total					Total			
V Semester					VI Semester			
H	CY799 Ph.D. Thesis				H	CY799 Ph.D. Thesis		
Total					Total			
VII Semester					VIII Semester			
H	CY799 Ph.D. Thesis				H	CY799 Ph.D. Thesis		
Total					Total			

Electives

Semester I				Semester II			
CY752	Principles of Nuclear Magnetic Resonance	3-0-0	3	CY753	Analytical Techniques and Spectroscopy	3-0-0	3
CY755	Advance catalysis			CY754	Analytical Techniques and Spectroscopy	3-0-0	3
CY756	Group Theory and Molecular Spectroscopy	3-0-0	3	CY761	Art in Organic Synthesis	3-0-0	3
CY757	Chemical Binding	3-0-0	3	CY762	Quantum Chemistry	3-0-0	3
CY758	Stochastic Problems in BioPhysics	3-0-0	3	CY763	Catalysis for Energy	3-0-0	3
CY759	Advance Material Design	3-0-0	3	CY764	Chemical Reaction Dynamics	3-0-0	3
CY760	Polymer Dynamics	3-0-0	3	CY765	Molecular Dynamics Simulations	3-0-0	3
		3-0-0	3	CY766	Stereochemistry of Organic Compounds	3-0-0	3
				CY767	Water Chemistry	3-0-0	3

S.No.	Category	Category Title	Students with	Total Courses	Total Credits
1	E	ELECTIVES	Master's Degree	4	12
			Bachelor's Degree	10	30
2	H	Thesis	-	-	-