

MAHATMA GANDHI UNIVERSITY
SCHOOL OF CHEMICAL SCIENCES

PROGRAMME : Ph.D. Chemistry Course Work of Semester I.

DURATION : One semester (2017 Admission onwards)

Total credits required : 12 [Core: 8; Elective: 4]

* The student has to choose **one elective course**.

Course Code	Course Title	Hours/Week			Credit
		L	T	P	
<u>Core Courses</u>					
SCSDCIC1701	RESEARCH METHODOLOGY	3	2	0	4
SCSDCIC1702	**PHYSICO-CHEMICAL METHODS OF ANALYSIS	3	2	0	4
SCSDCIC1703	***COMPUTATIONAL METHODS AND ALGORITHMS	3	2	0	4

<u>*Elective Courses</u>					
SCSDCIE1711	COORDINATION CHEMISTRY	3	2	0	4
SCSDCIE1712	CURRENT TOPICS IN BIOINORGANIC CHEMISTRY	3	2	0	4
SCSDCIE1713	SOLID STATE AND MATERIALS CHEMISTRY	3	2	0	4
SCSDCIE1714	ORGANIC SYNTHESIS	3	2	0	4
SCSDCIE1715	CHIOTECHNOLOGY AND ASYMMETRIC SYNTHESIS	3	2	0	4
SCSDCIE1716	FUNCTIONAL POLYMERS IN ORGANIC CHEMISTRY	3	2	0	4
SCSDCIE1717	DESIGN OF ALGORITHMS	3	2	0	4
SCSDCIE1718	CLASSICAL MECHANICS FOR THEORETICAL CHEMISTRY	3	2	0	4
SCSDCIE1719	SUPRAMOLECULAR CHEMISTRY	3	2	0	4
SCSDCIE1720	POLYMER CHEMISTRY	3	2	0	4
SCSDCIE1721	POLYMER SCIENCE AND TECHNOLOGY	3	2	0	4
SCSDCIE1722	POLYMER SYNTHESIS AND CHARACTERISATION	3	2	0	4
SCSDCIE1723	MATHEMATICAL METHODS FOR SCIENTISTS	3	2	0	4
SCSDCIE1724	ORGANO-TRANSITION METAL CHEMISTRY	3	2	0	4
SCSDCIE1725	SYNTHESIS AND CHARACTERISATION OF FUNCTIONALIZED POLYMERS	3	2	0	4
SCSDCIE1726	SYNTHETIC ORGANIC CHEMISTRY	3	2	0	4
SCSDCIE1727	ORGANIC CATALYSIS	3	2	0	4
SCSDCIE1728	FUNDAMENTALS OF SUPRAMOLECULAR CHEMISTRY	3	2	0	4
SCSDCIE1729	SUPRAMOLECULAR SELF ASSEMBLED SYSTEMS	3	2	0	4
SCSDCIE1730	SUPRAMOLECULAR RECEPTORS	3	2	0	4
SCSDCIE1731	SUPRAMOLECULAR MATERIALS	3	2	0	4
SCSDCIE1732	STATISTICAL MECHANICS OF CHAIN MOLECULES	3	2	0	4
SCSDCIE1733	DRUG DELIVERY	3	2	0	4
SCSDCIE1734	METAL-ORGANIC FRAME WORK IMMOBILIZED MEMBRANES AND ITS ANALYTICAL SEPARATIONS	3	2	0	4

** FOR CHEMISTRY STUDENTS

*** FOR CHEMICAL PHYSICS STUDENTS