

SBS UNIVERSITY, BALAWALA, DEHRADUN
SCHEME OF COURSE M.SC. Pharmaceutical Chemistry

Type of course	Course code	Title of the Course	L-T-P /Week	No. of Credits	Univer sity Exam	Internal assessment	Total
SEMESTER I							
Core course 1	CHEM-511	Inorganic Chemistry- I	3-0-0	3	50	50	100
Core course 2	CHEM-512	Organic Chemistry- I	3-0-0	3	50	50	100
Core course 3	CHEM-513	Physical Chemistry- I	3-0-0	3	50	50	100
Core course 4	CHEM-514	Analytical Techniques-I	3-0-0	3	50	50	100
Core course Practical 1	CHEM-515	Laboratory- I A (Analytical and Physical Chemistry)	0-0-9	3	50	50	100
Core course Practical 2	CHEM-516	Laboratory- I B(Organic And Inorganic Chemistry)	0-0-9	3	50	50	100
Elective I		Electives Course	3-0-0	3	50	50	100
				21			

LIST OF ELECTIVE COURSES I (Any One)							
	CHEM-517	Basic Pharmacology	3-0-0	3	50	50	100
	CHEM-518	Forensic Pharmacy	3-0-0	3	50	50	100
	BIOC-511	Fundamental of Biochemistry	3-0-0	3	50	50	100
	CHEM-519	Basics of Drug Delivery	3-0-0	3	50	50	100
	CHEM-520	Applied Chemistry	3-0-0	3	50	50	100
SEMESTER II							
Core course 5	CHEM-521	Inorganic Chemistry- II	3-0-0	3	50	50	100
Core course 6	CHEM-522	Organic Chemistry- II	3-0-0	3	50	50	100
Core course 7	CHEM-523	Physical Chemistry- II	3-0-0	3	50	50	100
Core course 8	CHEM-524	Analytical Techniques-II	3-0-0	3	50	50	100
Core course Practical 3	CHEM-525	Laboratory- IIA (Analytical and Physical Chemistry)	0-0-9	3	50	50	100
Core course Practical 4	CHEM-526	Laboratory- II B(Organic And Inorganic Chemistry)	0-0-9	3	50	50	100
Elective II		Elective Course	3-0-0	3	50	50	100
				21			
LIST OF ELECTIVE COURSES II (Any One)							
	CHEM-527	Chemistry of Natural Products	3-0-0	3	50	50	100
	PHAR-521	Essential of Traditional Medicine	3-0-0	3	50	50	100
	CHEM-528	Cosmeticology	3-0-0	3	50	50	100
	PHAR-522	Pharmaceutical Industrial Management	3-0-0	3	50	50	100

	MATH-521	Biostatistics for Chemist	3-0-0	3	50	50	100
	CHEM-529	Industrial Waste Management	3-0-0	3	50	50	100
SEMESTER III							
Core course 9	CHPC-631	Drug Design	3-0-0	3	50	50	100
Core course 10	CHPC-632	Chemotherapeutic Agents	3-0-0	3	50	50	100
Core course Practical 5	CHPC-633	Laboratory –IIIA (Medicinal Chemistry)	3-0-0	3	50	50	100
Core course Practical 6	CHPC-634	Laboratory-IIIB Pharmaceutical Analysis-II	0-0-9	3	50	50	100
Core course 11	CHPC-635	Project – I	0-0-3	1	50	50	100
Core course 12	CHPC-639	Advance Drug Delivery System	3-0-0	3	50	50	100
Elective III		Elective Course I	3-0-0	3	50	50	100
Self Study			0-3-0	3	50	50	100
				19+3 = 22			
List of Elective Courses I&II (Any Two)							
	CHPC-636	Drug Regulatory Affairs	3-0-0	3	50	50	100
	CHPC-637	Spectral Techniques	3-0-0	3	50	50	100
	CHPC-638	Herbal Drug Technology	3-0-0	3	50	50	100
	PHAR-632	Phytopharmaceuti-cals and Nutraceuticals	3-0-0	3	50	50	100

List of Self Study Course (Any One)							
	CHEM-633	Hospital Training	0-3-0	3	50	50	100
	COMP-639	Computer for chemist	0-3-0	3	50	50	100
	CHEM-634	Industrial Training	0-3-0	3	50	50	100
SEMESTER IV							
Core course 13	CHPC-641	Project -II	0-0-27	6	100	100	200
Core course 14	CHPC -642	Pharmacodynamic Agents	3-0-0	3	50	50	100
Core course 15	CHPC-643	General Pharmaceutics	3-0-0	3	50	50	100
				12			
Total Credits = 76 (21+21+22+12)							

