

Institute of Pharmacy, Nirma University
B. Pharm.
Course Structure

Semester-I

Sr. No.	Course Name	Teaching Scheme			Examination Scheme						
		Hours / Week			Hours			Component			
		Lect.	Pract.	Credits	MSE	SEE	PRE	Lectures		TA	Practicals
								MSE	SEE		
1	Pharmaceutics – I (Pharmaceutical Engineering Drawing & Unit Operations-I)	3	3	5	1.5	3	3	0.2	0.35	0.1	0.35
2	Pharmaceutical Chemistry	3	3	5	1.5	3	3	0.2	0.35	0.1	0.35
3	Human Anatomy, Physiology & Health Education-I	3	3	5	1.5	3	3	0.2	0.35	0.1	0.35
4	Introduction to Pharmacognosy	2	3	4	1.5	3	3	0.2	0.35	0.1	0.35
5	Fundamentals of Computer Applications in Pharmacy	3	3	5	1.5	3	3	0.2	0.35	0.1	0.35
6	Advanced Mathematics	2	-	2	1.5	3	-	0.25	0.5	0.25	-
Total		16	15	26							

Semester-II

Sr. No.	Course Name	Teaching Scheme			Examination Scheme						
		Hours / Week			Hours			Component			
		Lect.	Pract.	Credits	MSE	SEE	PRE	Lectures		TA	Practicals
								MSE	SEE		
1	Pharmaceutics – II (Unit Operations-II)	3	3	5	1.5	3	3	0.2	0.35	0.1	0.35
2	Inorganic & Nuclear Medicinal Chemistry	3	3	5	1.5	3	3	0.2	0.35	0.1	0.35
3	Human Anatomy, Physiology & Health Education - II	3	3	5	1.5	3	3	0.2	0.35	0.1	0.35
4	Analytical Pharmacognosy & Quality Control of Drugs of Natural Origin (DONO)	3	3	5	1.5	3	3	0.2	0.35	0.1	0.35
5	Physical Pharmaceutics	3	3	5	1.5	3	3	0.2	0.35	0.1	0.35
Total		15	15	25							

Semester-III

Sr. No.	Course Name	Teaching Scheme			Examination Scheme							
		Hours / Week										
		Lect.	Pract.	Credits	Hours			Component		TA	Practicals	
					MSE	SEE	PRE	MSE	SEE			LPW
1	Pharmaceutics – III (Unit Operations-III)	3	3	5	1.5	3	3	0.2	0.35	0.1	0.35	
2	Dispensing, Hospital and Community Pharmacy -I	3	-	3	1.5	3	-	0.25	0.5	0.25	-	
3	Organic Chemistry – I	3	3	5	1.5	3	3	0.2	0.35	0.1	0.35	
4	Pharmaceutical Analysis – I	3	3	5	1.5	3	3	0.2	0.35	0.1	0.35	
5	Pathophysiology of Common Diseases	3	-	3	1.5	3	-	0.25	0.5	0.25	-	
6	Phytopharmaceuticals-I	3	3	5	1.5	3	3	0.2	0.35	0.1	0.35	
Total		18	12	26								

Semester-IV

Sr. No.	Course Name	Teaching Scheme			Examination Scheme							
		Hours / Week										
		Lect.	Pract.	Credits	Hours			Component		TA	Practicals	
					MSE	SEE	PRE	MSE	SEE			LPW
1	Dispensing, Hospital and Community Pharmacy - II	3	3	5	1.5	3	3	0.2	0.35	0.1	0.35	
2	Pharmaceutical Jurisprudence and Ethics	3	-	3	1.5	3	-	0.25	0.5	0.25	-	
3	Organic Chemistry- II	3	3	5	1.5	3	3	0.2	0.35	0.1	0.35	
4	Pharmaceutical Analysis – II	3	3	5	1.5	3	3	0.2	0.35	0.1	0.35	
5	Pharmacology – I (General, Autonomic Pharmacology and Autacoids)	3	-	3	1.5	3	-	0.25	0.5	0.25	-	
6	Phytopharmaceuticals- II	3	3	5	1.5	3	3	0.2	0.35	0.1	0.35	
Total		18	12	26								

Semester-V

Sr. No.	Course Name	Teaching Scheme			Examination Scheme						
		Hours / Week			Hours			Component			
					MSE	SEE	PRE	Lectures		TA	Practicals
		Lect.	Pract.	Credits				MSE	SEE		
1	Pharmaceutical Microbiology	3	3	5	1.5	3	3	0.2	0.35	0.1	0.35
2	Pharmaceutical Technology-I (liquid, semisolid & solid dosage forms)	3	3	5	1.5	3	3	0.2	0.35	0.1	0.35
3	Medicinal Chemistry – I (Drugs Acting on ANS, GIT & Resp. Tract)	3	3	5	1.5	3	3	0.2	0.35	0.1	0.35
4	Pharmaceutical Biochemistry – I	3	3	5	1.5	3	3	0.2	0.35	0.1	0.35
5	Pharmacology – II (Drugs acting on CNS, GIT & Endocrine System)	3	3	5	1.5	3	3	0.2	0.35	0.1	0.35
Total		15	15	25							

Semester-VI

Sr. No.	Course Name	Teaching Scheme			Examination Scheme						
		Hours / Week			Hours			Component Weightage(w)			
					MSE	SEE	PRE	Lectures		TA	Practicals
		Lect.	Pract.	Credits				MSE	SEE		
1	Pharmaceutical Biotechnology	3	3	5	1.5	3	3	0.2	0.35	0.1	0.35
2	Pharmaceutical Technology-II (sterile preparations, Aerosols & Cosmetic)	3	3	5	1.5	3	3	0.2	0.35	0.1	0.35
3	Medicinal Chemistry – II (Drugs Acting on CNS and CVS)	3	3	5	1.5	3	3	0.2	0.35	0.1	0.35
4	Pharmaceutical Biochemistry – II	3	3	5	1.5	3	3	0.2	0.35	0.1	0.35
5	Pharmacology – III (Drugs acting on CVS, Chemotherapy of Diseases and Toxicology)	3	3	5	1.5	3	3	0.2	0.35	0.1	0.35
Total		15	15	25							

Lect. : Lecture

PRE : Practical Examination

Pract. : Practical

TA : Term Assignment

MSE : Mid Semester Examination

LPW : Laboratory / Practical Work

SEE : Semester End Examination