

# Punjab Technical University

## Scheme and Syllabus of M.Sc. Pharmaceutical Chemistry

### 1st Semester

Sr. No.	Subject Code	Subject	Load Distribution			Marks Distribution		
			L	T	P	Internal	External	Total
1.	MSPC-101	Advanced Organic Chemistry including Heterocyclic Chemistry	4	-	-	20	80	100
2.	MSPC-103	Analytical Techniques-I	4	-	-	20	80	100
3.	MSPC-105	Spectral Analytical Technique	4	-	-	20	80	100
4.	MSPC-107	Organic and Analytical Laboratory	-	-	8x2	20	80	100
							Total	400

### 2<sup>nd</sup> Semester

Sr. No.	Subject Code	Subject	Load Distribution			Marks Distribution		
			L	T	P	Internal	External	Total
1.	MSPC-102	Biochemistry	4	-	-	20	80	100
2.	MSPC-104	Chemistry of Natural Products	4	-	-	20	80	100
3.	MSPC-106	Chemistry of Drugs-I	4	-	-	20	80	100
4.	MSPC-108	Chemistry of Natural Products-Lab	-	-	8x2	20	80	100
							Total	400

### 3<sup>rd</sup> Semester

Sr. No.	Subject Code	Subject	Load Distribution		Marks Distribution		
			L	P	Internal	External	Total Marks
1.	MSPC-201	Chemistry of Drugs II	4	-	20	80	100
2.	MSPC-203	Chemistry of Drugs III	4	-	20	80	100
3.	MSPC-205	Drug Design and Development	4	-	20	80	100
4.	MSPC-207	Drug Synthesis Lab		16	20	80	100
Total			28Hrs.		80	320	400

### 4<sup>th</sup> Semester

- **Project Work**
- **Max. Marks: 400**  
(Thesis : 200 and Viva-voce and Presentation: 200)