



# **FACULTY OF PHARMACEUTICAL SCIENCES**

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## **PROGRAMME STRUCTURE** (As Per Pharmacy Council of India)

### **MASTER OF PHARMACY (PHARMACEUTICAL ANALYSIS)**

Aegis: Charutar Vidya Mandal (Estd.1945)

**Effective from Academic Year: 2025-26**



Faculty Name: Faculty of Pharmaceutical Sciences

Programme Name: Master of Pharmacy (Pharmaceutical Analysis)

## Programme Structure Summary

SEMESTER 1												
Course Group	Course Code	Course Name	Cr	Teaching Scheme				INT(T) Max./ Passing	EXT(T) Max./ Passing	INT(P) Max./ Passing	EXT(P) Max./ Passing	Grand Total Max./ Passing
				T	P	Tu	Cont. Hrs					
CORE	108300101	MODERN PHARMACEUTICAL ANALYTICAL TECHNIQUES	4	4	-	-	4	25/10	75/30	-	-	100/50
CORE	108310102	ADVANCED PHARMACEUTICAL ANALYSIS	4	4	-	-	4	25/10	75/30	-	-	100/50
CORE	108310103	PHARMACEUTICAL VALIDATION	4	4	-	-	4	25/10	75/30	-	-	100/50
CORE	108310104	FOOD ANALYSIS	4	4	-	-	4	25/10	75/30	-	-	100/50
CORE	108310105	PHARMACEUTICAL ANALYSIS PRACTICAL - I	6	-	12	-	12	-	-	50/20	100/40	150/75
CORE	108310106	SEMINAR/ASSIGNMENT	4	-	8	-	8	-	-	100/40	-	100/50

# T = Theory, P = Practical, Tu = Tutorial

SEMESTER 2												
Course Group	Course Code	Course Name	Cr	Teaching Scheme				INT(T) Max./ Passing	EXT(T) Max./ Passing	INT(P) Max./ Passing	EXT(P) Max./ Passing	Grand Total Max./ Passing
				T	P	Tu	Cont. Hrs					
CORE	108310201	ADVANCED INSTRUMENTAL ANALYSIS	4	4	-	-	4	25/10	75/30	-	-	100/50
CORE	108310202	MODERN BIO-ANALYTICAL TECHNIQUES	4	4	-	-	4	25/10	75/30	-	-	100/50
CORE	108310203	QUALITY CONTROL AND QUALITY ASSURANCE	4	4	-	-	4	25/10	75/30	-	-	100/50
CORE	108310204	HERBAL AND COSMETIC ANALYSIS	4	4	-	-	4	25/10	75/30	-	-	100/50
CORE	108310205	PHARMACEUTICAL ANALYSIS PRACTICAL - II	6	-	12	-	12	-	-	50/20	100/40	150/75
CORE	108310206	SEMINAR/ASSIGNMENT	4	-	8	-	8	-	-	100/40	-	100/50

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SEMESTER 3												
Course Group	Course Code	Course Name	Cr	Teaching Scheme				INT(T) Max./ Passing	EXT(T) Max./ Passing	INT(P) Max./ Passing	EXT(P) Max./ Passing	Grand Total Max./ Passing
				T	P	Tu	Cont. Hrs					
CORE	108300301	JOURNAL CLUB - I	1	1	-	-	1	25/10	-	-	-	25/13
CORE	108300302	RESEARCH METHODOLOGY AND BIOSTATISTICS*	4	4	-	-	4	25/10	75/30	-	-	100/50
CORE	108300303	DISCUSSION/ PRESENTATION (PROPOSAL PRESENTATION)	2	2	-	-	2	50/20	-	-	-	50/25
CORE	108300304	RESEARCH WORK	14	-	28	-	28	-	-	50/20	300/120	350/175

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\* Non University Examination

SEMESTER 4												
Course Group	Course Code	Course Name	Cr	Teaching Scheme				INT(T) Max./ Passing	EXT(T) Max./ Passing	INT(P) Max./ Passing	EXT(P) Max./ Passing	Grand Total Max./ Passing
				T	P	Tu	Cont. Hrs					
CORE	108300401	JOURNAL CLUB - II	1	1	-	-	1	25/10	-	-	-	25/13
CORE	108300402	DISCUSSION/ PRESENTATION	3	3	-	-	3	75/30	-	-	-	75/38
CORE	108300403	RESEARCH WORK - FINAL PRESENTATION	16	-	32	-	32	-	-	100/40	300/120	400/200
CORE	108300404	CO-CURRICULAR ACTIVITIES	2	-	4	-	-	-	-	50/20	-	50/25

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Programme Name: Master of Pharmacy (Pharmaceutical Analysis)

### Programme Outcomes

PO-1	<b>Pharmaceutical Knowledge:</b> Students will have strong knowledge and skills for analysis of Pharmaceutical drug, dosage form, excipients, food & cosmetics and ability to apply them in research and development.
PO-2	<b>Core Competence:</b> Students will be competent in the GMP, Regulatory affairs, Quality assurance, Pharmaceutical Analysis and statistical evaluation of data required in Pharmaceutical Industry.
PO-3	<b>Investigation of complex research problem:</b> Student will be able to solve complex analytical and research problem related to drug and impurity analysis.
PO-4	<b>Pharmacy Professionalism and Ethics:</b> Students will be inculcated with professional and ethical values with respect to pharmacy profession and effective communication skills.
PO-5	<b>Lifelong learning:</b> Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. Self- assess and use feedback effectively from others to identify learning needs and to satisfy these needs on an ongoing basis.