



FACULTY OF PHARMACEUTICAL SCIENCES

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

| 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

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|--------------|-------------|--|----|-----------------|----|----|-----------|----------------------|----------------------|----------------------|----------------------|---------------------------|
| | | | | 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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|--------------|-------------|--|----|-----------------|----|----|-----------|----------------------|----------------------|----------------------|----------------------|---------------------------|
| | | | | 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

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|--------------|-------------|------------------------------------|----|-----------------|----|----|-----------|----------------------|----------------------|----------------------|----------------------|---------------------------|
| | | | | 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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Faculty Name: Faculty of Pharmaceutical Sciences

Programme Name: Master of Pharmacy (Pharmaceutical Analysis)

Programme Outcomes

| | |
|------|--|
| PO-1 | Pharmaceutical Knowledge: 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 | Core Competence: Students will be competent in the GMP, Regulatory affairs, Quality assurance, Pharmaceutical Analysis and statistical evaluation of data required in Pharmaceutical Industry. |
| PO-3 | Investigation of complex research problem: Student will be able to solve complex analytical and research problem related to drug and impurity analysis. |
| PO-4 | Pharmacy Professionalism and Ethics: Students will be inculcated with professional and ethical values with respect to pharmacy profession and effective communication skills. |
| PO-5 | Lifelong learning: 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. |