



Since 1983

Dr. Vishwanath Karad

**MIT WORLD PEACE
UNIVERSITY** | PUNE

TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS



M.Pharm Pharmaceutical Chemistry

Programme Structure

 mitwpu.edu.in

Division	Faculty of Science & Health Science
School Name	School of Health Science & Technology
Department Name	Department of Pharmaceutical Science
Programme Name	Master of Pharmacy (M. Pharm) Pharmaceutical Chemistry

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| Course Type | Description |
|----------------------|--|
| Programme Core | Courses dealing with foundations, depth and breadth of the major in which a student is admitted at MIT-WPU |
| Programme Electives | Open electives under the Programme allow students to specialise in a particular area connected to their major. |
| University Core | Courses that reflect the core MITWPU values and the mission of Life Transformation of students. |
| University Electives | Multidisciplinary courses across the faculties at MIT-WPU and outside the Programme core. |

Master of Pharmacy (M. Pharm) Pharmaceutical Chemistry (First Year)
(Batch 2025-2027) Semester – I

| Sr. No | Name of Course | Type | Credits | |
|--------|---|-----------|-----------|-----------|
| | | | Theory | Lab |
| 1 | Modern Pharmaceutical Analytical Techniques | PC | 4 | |
| 2 | Advanced Organic Chemistry -I | PC | 4 | |
| 3 | Advanced Medicinal Chemistry | PC | 4 | |
| 4 | Chemistry of Natural Products | PC | 4 | |
| 5 | Pharmaceutical Chemistry Practical- I | PC | | 6 |
| 6 | Seminar/Assignment | PC | | 4 |
| 7 | Scientific Studies of Mind, Matter, Spirit, and Consciousness | UC | 2 | |
| 8 | Yoga | UC | | 1 |
| | Total : | | 18 | 11 |
| | Total Credits: Semester I: | 29 | | |

**Master of Pharmacy (M. Pharm) Pharmaceutical Chemistry First Year
(Batch 2025-2027) Semester – II**

| Sr. No | Name of Course | Type | Credits | |
|--------|---------------------------------------|-----------|-----------|-----------|
| | | | Theory | Lab |
| 1 | Advanced Spectral Analysis | PC | 4 | |
| 2 | Advanced Organic Chemistry -II | PC | 4 | |
| 3 | Computer Aided Drug Design | PC | 4 | |
| 4 | Pharmaceutical Process Chemistry | PC | 4 | |
| 5 | Pharmaceutical Chemistry Practical II | PC | | 6 |
| 6 | Seminar/Assignment | PC | | 4 |
| 7 | Peace Building: Global Initiatives | UC | | |
| | Total : | | 2 | |
| | Total Credits: Semester II: | 28 | 18 | 10 |

**Master of Pharmacy (M. Pharm) (Second Year) (Batch 2025-2027)
(Common for All Specializations) Semester – III**

| Sr. No | Name of Course | Type | Credits | |
|--------|---|-----------|----------|-----------|
| | | | Theory | Lab |
| 1 | Research Methodology and Biostatistics**** | PC | 4 | |
| 2 | Journal club | PC | 1 | |
| 3 | Discussion / Presentation (Proposal Presentation) | PC | 2 | |
| 4 | Research Work | PC | | 14 |
| | Total : | | 7 | 14 |
| | Total Credits: Semester III: | 21 | | |

**Master of Pharmacy (M. Pharm) (Second Year) (Batch 2025-2027)
(Common for All Specializations) Semester – IV**

| Sr. No | Name of Course | Type | Credits | |
|--------|---|-----------|-----------|-----------|
| | | | Theory | Lab |
| 1 | Journal club | PC | 1 | |
| 2 | Discussion / Final Presentation | PC | 3 | |
| 3 | Research Work | PC | | 16 |
| | Total : | | 4 | 16 |
| | Co-curricular Activities (Attending Conference, Scientific Presentations and Other Scholarly Activities) | PC | 7* | |
| | Total Credits: Semester IV | 20 | | |

*Modifications to the programmes and courses are contingent upon adherence to university guidelines and procedures. Any proposed changes must undergo a thorough review process, including consultation with relevant academic departments, approval from the appropriate administrative bodies, and compliance with accreditation standards.

Additionally, consideration will be given to feedback from students, faculty, and other stakeholders to ensure that modifications align with the overall educational objectives and mission of the university. The implementation of any approved changes will be communicated transparently to the university community, and appropriate measures will be taken to facilitate a smooth transition for all affected parties.