

Master of Pharmacy (MPharm)

Table 1. Course work of MPharm – Pharmaceutics (MPH) specialization

Semester I	
Course Code	Course Title
PQA-MPH101T	Modern Pharmaceutical Analytical Techniques
PCE-MPH102T	Drug Delivery Systems
PCE-MPH103T	Modern Pharmaceutics
PMA-MPH104T	Regulatory Affairs
PCE-MPH105P	Pharmaceutics Practical I
PCE-MPH106S	Seminar*
Semester II	
PCE-MPH201T	Molecular Pharmaceutics (Nano Tech and Targeted DDS)
PCE-MPH202T	Advanced Biopharmaceutics and Pharmacokinetics
PCE-MPH203T	Computer Aided Drug Delivery Systems
PCE-MPH204T	Cosmetic and Cosmeceuticals
PCE-MPH205P	Pharmaceutics Practical II
PCE-MPH206S	Seminar*
* No end-semester examination. Only continuous mode	

Table 2. Course work of MPharm –Industrial Pharmacy (MIP) specialization

Course Code	Course Title
Semester I	
PQA-MIP101T	Modern Pharmaceutical Analytical Techniques
PCE-MIP102T	Pharmaceutical Formulation Development
PCE-MIP103T	Novel Drug Delivery Systems
PMA-MIP104T	Intellectual Property Rights
PCE-MIP105P	Industrial Pharmacy Practical I
PCE-MIP106S	Seminar*
Semester II	
PCE-MIP201T	Advanced Biopharmaceutics and Pharmacokinetics
PCE-MIP202T	Scale-up and Technology Transfer
PCE-MIP203T	Pharmaceutical Production Technology
PMA-MIP204T	Entrepreneurship Management
PCE-MIP205P	Industrial Pharmacy Practical II
PCE-MIP206S	Seminar*
* No end-semester examination. Only continuous mode.	

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Table 3. Course work of MPharm – Pharmaceutical Chemistry (MPC) specialization	
Course Code	Course Title
Semester I	
PQA-MPC101T	Modern Pharmaceutical Analytical Techniques
PCH-MPC102T	Advanced Organic Chemistry I
PCH-MPC103T	Advanced Medicinal Chemistry
PCH-MPC104T	Chemistry of Natural Products
PCH-MPC105P	Pharmaceutical Chemistry Practical I
PCH-MPC106S	Seminar*
Semester II	
PCH-MPC201T	Advanced Spectral Analysis
PCH-MPC202T	Advanced Organic Chemistry II
PCH-MPC203T	Computer Aided Drug Design
PCH-MPC204T	Pharmaceutical Process Chemistry
PCH-MPC205P	Pharmaceutical Chemistry Practical II
PCH-MPC206S	Seminar*
* No end-semester examination. Only continuous mode.	

Table 4. Course work of MPharm – Pharmaceutical Analysis (MPA) specialization	
Course Code	Course Title
Semester I	
PQA-MPA101T	Modern Pharmaceutical Analytical Techniques
PCH-MPA102T	Advanced Pharmaceutical Analysis
PCH-MPA103T	Pharmaceutical Validation
PCH-MPA104T	Food Analysis
PCH-MPA105P	Pharmaceutical Analysis Practical I
PCH-MPA106S	Seminar*
Semester II	
PCH-MPA201T	Advanced Instrumental Analysis
PCH-MPA202T	Modern Bioanalytical Techniques
PCH-MPA203T	Quality Control and Quality Assurance
PCH-MPA204T	Herbal and Cosmetic Analysis
PCH-MPA205P	Pharmaceutical Analysis Practical II
PCH-MPA206S	Seminar*
* No end-semester examination. Only continuous mode.	

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Table 5. Course work of MPharm – Pharmaceutical Quality Assurance (MQA) specialization	
Course Code	Course Title
Semester I	
PQA-MQA101T	Modern Pharmaceutical Analytical Techniques
PQA-MQA102T	Quality Management Systems
PQA-MQA103T	Quality Control and Quality Assurance
PQA-MQA104T	Product Development and Technology Transfer
PQA-MQA105P	Pharmaceutical Quality Assurance Practical I
PQA-MQA106S	Seminar*
Semester II	
PQA-MQA201T	Hazards and Safety Management
PQA-MQA202T	Pharmaceutical Validation
PQA-MQA203T	Audits and Regulatory Compliance
PQA-MQA204T	Pharmaceutical Manufacturing Technology
PQA-MQA205P	Pharmaceutical Quality Assurance Practical II
PQA-MQA206S	Seminar*
* No end-semester examination. Only continuous mode.	

Table 6. Course work of MPharm – Pharmaceutical Regulatory Affairs (MRA) specialization	
Course Code	Course Title
Semester I	
PQA-MRA101T	Good Regulatory Practices
PQA-MRA102T	Documentation and Regulatory Writing
PQA-MRA103T	Clinical Research Regulations
PQA-MRA104T	Regulations and Legislation for Drugs & Cosmetics, Medical Devices, Biologicals & Herbals and Food & Nutraceuticals in India and Intellectual Property Rights
PQA-MRA105P	Regulatory Affairs Practical I
PQA-MRA106S	Seminar*
Semester II	
PQA-MRA201T	Regulatory Aspects of Drugs and Cosmetics
PQA-MRA202T	Regulatory Aspects of Herbal and Biologicals
PQA-MRA203T	Regulatory Aspects of Medical Devices
PQA-MRA204T	Regulatory Aspects of Food and Nutraceuticals
PQA-MRA205P	Regulatory Affairs Practical II
PQA-MRA206S	Seminar*
* No end-semester examination. Only continuous mode.	

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Table 7. Course work of MPharm – Pharmaceutical Biotechnology (MPB) specialization

Course Code	Course Title
Semester I	
PQA-MPB101T	Modern Pharmaceutical Analytical Techniques
PBT-MPB102T	Microbial and Cellular Biology
PBT-MPB103T	Bioprocess Engineering and Technology
PBT-MPB104T	Advanced Pharmaceutical Biotechnology
PBT-MPB105P	Pharmaceutical Biotechnology Practical I
PBT-MPB106S	Seminar*
Semester II	
PBT-MPB201T	Proteins and Protein Formulations
PBT-MPB202T	Immunotechnology
PBT-MPB203T	Bioinformatics and Computational Biotechnology
PBT-MPB204T	Biological Evaluation of Drug Therapy
PBT-MPB205P	Pharmaceutical Biotechnology Practical II
PBT-MPB206S	Seminar*
* No end-semester examination. Only continuous mode.	

Table 8. Course work of MPharm – Pharmacy Practice (MPP) specialization

Course Code	Course Title
Semester I	
PPR-MPP101T	Clinical Pharmacy Practice
PPR-MPP102T	Pharmacotherapeutics I
PPR-MPP103T	Hospital and Community Pharmacy
PPR-MPP104T	Clinical Research
PPR-MPP105P	Pharmacy Practice Practical I
PPR-MPP106S	Seminar*
Semester II	
PPR-MPP201T	Principles of Quality Use of Medicines
PPR-MPP202T	Pharmacotherapeutics II
PPR-MPP203T	Clinical Pharmacokinetics and Therapeutic Drug Monitoring
PPR-MPP204T	Pharmacoepidemiology and Pharmacoeconomics
PPR-MPP205P	Pharmacy Practice Practical II
PPR-MPP206S	Seminar*
* No end-semester examination. Only continuous mode.	

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Table 9. Course work of MPharm – Pharmacology (MPL) specialization

Course Code	Course Title
Semester I	
PQA-MPL101T	Modern Pharmaceutical Analytical Techniques
PHA-MPL102T	Advanced Pharmacology I
PHA-MPL103T	Pharmacological and Toxicological Screening Methods I
PHA-MPL104T	Cellular and Molecular Pharmacology
PHA-MPL105P	Pharmacology Practical I
PHA-MPL106S	Seminar*
Semester II	
PHA-MPL201T	Advanced Pharmacology II
PHA-MPL202T	Pharmacological and Toxicological Screening Methods II
PHA-MPL203T	Principles of Drug Discovery
PHA-MPL204T	Clinical Research and Pharmacovigilance
PHA-MPL205P	Pharmacology Practical II
PHA-MPL206S	Seminar*
* No end-semester examination. Only continuous mode.	

Table 10. Course work of MPharm – Pharmacognosy (MPG) specialization

Course Code	Course Title
Semester I	
PQA-MPG101T	Modern Pharmaceutical Analytical Techniques
PCO-MPG102T	Advanced Pharmacognosy I
PCO-MPG103T	Phytochemistry
PCO-MPG104T	Industrial Pharmacognostical Technology
PCO-MPG105P	Pharmacognosy Practical I
PCO-MPG106S	Seminar*
Semester II	
PCO-MPG201T	Medicinal Plant Biotechnology
PCO-MPG202T	Advanced Pharmacognosy II
PCO-MPG203T	Indian Systems of Medicine
PCO-MPG204T	Herbal Cosmetics
PCO-MPG205P	Pharmacognosy Practical II
PCO-MPG206S	Seminar*
* No end-semester examination. Only continuous mode.	

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Table 11. Course work of MPharm – Pharmaceutical Administration (MPD) specialization	
Course Code	Course Title
Semester I	
PMA-MPD101T	Principles and Practice of Business Management
PMA-MPD102T	Principles and Practice of Pharmaceutical Marketing
PMA-MPD103T	Regulatory Affairs
PMA-MPD104T	Intellectual Property Rights
PMA-MPD105P	Pharmaceutical Administration Practical I
PMA-MPD106S	Seminar*
Semester II	
PMA-MPD201T	Principles of Disease Management
PMA-MPD202T	Managerial Economics
PMA-MPD203T	Financial Management
PMA-MPD204T	Entrepreneurship Management
PMA-MPD205P	Pharmaceutical Administration Practical II
PMA-MPD206S	Seminar*
* No end-semester examination. Only continuous mode.	

Table 12. Course work for MPharm III and IV semesters (Common for all specializations)	
Course Code	Course Title
PHA-MRM301T	Research Methodology and Biostatistics*
MJC302P	Journal Club*
MRW401P	Research Work
* No end-semester examination.	