

M.PHARM. (Pharmaceutics) + MBA (Pharma Tech And Health Care Management)**FIRST YEAR**

| TRIMESTER I | |
|----------------------|----------------------------------------------|
| Subject Code | Subjects |
| 487 DRA | Drug Regulatory Affairs & Quality Systems |
| 488 PCE | Dosage Form Technology |
| | LAB |
| 861 BC | Business Communication |
| 964 PPM | Principles and Practice of Management |
| 866 BEC | Business Economics |
| 868 SMMD | Statistical Methods for Management Decisions |
| TRIMESTER II | |
| Subject Code | Subjects |
| 489 PCE | Advances In Pharmaceutical Technology - I |
| 490 PCE | Biopharmaceutics & Pharmacokinetics |
| 492 PCE | Pharmaceutical Packaging |
| | LAB |
| 964 MTI | Management of Technology & Innovation |
| 883 MM | Marketing Management |
| 865 FAC | Financial accounting |
| 871 PM | Project Management |
| TRIMESTER III | |
| Subject Code | Subjects |
| 491 PCE | Advances In Pharmaceutical Technology - II |
| 493 PCE | Advances in Industrial pharmacy |
| 494 QUA | Quality Assurance |
| | LAB |
| 963 PM | Pharmaceutical Marketing |
| 870 OR | Operations Research |
| 859 LAB | Legal aspects of Pharmaceutical Business |
| 869 CA | Cost Accounting |

SECOND YEAR

TRIMESTER IV

Project Work - Major Project (Technical) (6 Months)

TRIMESTER V

Project Work - Minor Project (Technical) (3 Months)

TRIMESTER VI

| Subject Code | Subjects |
|---------------------|------------------------------------------------------|
| 875 PIT | Pharma Industry Trends |
| 968 PIPR | Patents & Intellectual Property Management |
| 881 OPM | Operation Management |
| 880 PSL | Pharma Industry Supply Chain & Logistics Management |
| 909 SM | Strategic Management |
| 930 EPM | Entrepreneurship Management |
| 876 OB | Organizational Behaviour |
| 907 RCI | Regulation and Compliance in Pharmaceutical Industry |
| 885 QMSP | Quality Management Systems & Practices |

THIRD YEAR

| TRIMESTER VII |
|---------------------------------------------------|
| Disease Management |
| Legal Aspects of Pharmaceutical Business |
| Financial Management |
| Enterprise Planning System with SAP |
| Public Health Research and Epidemiology |
| Pharma Tech (Elective) |
| Pharmacovigilance |
| Health Insurance / Health Financing System |
| Hospital Management |
| Business Process Management |
| Marketing (Elective) |
| Marketing of Pharmaceutical Products |
| Sales Promotion in Pharma |
| Marketing Strategy |
| Consumer Behaviour |
| IT & Operations (Elective) |
| Operation Strategy (Including Planning & Control) |
| Simulation Modelling |
| System Analysis & Design |
| Services & Operation Management |
| Finance (Elective) |
| Current Update on Finance |
| Tax Planning (Corporate & Personal) |
| Financial Institutes & Markets |
| Project Risk & Insurance Management |

| TRIMESTER VIII |
|--------------------------------------------------------------------|
| Negotiation Skills |
| Pharmacoeconomics |
| IT in Pharmaceutical Industry |
| Research Methodology |
| Management of Commercial Banks |
| Pharma Tech (Elective) |
| Management of Pharma Technology Acquisition & Transfer |
| DPCO |
| Medical Devices / Diagnostics |
| Healthcare Research |
| Marketing (Elective) |
| International Marketing |
| Distribution Management |
| Sales Management |
| Customer Relationship Management |
| Marketing Through Different Channels (Online, Social Media etc...) |
| IT & Operations (Elective) |
| International Project Management |
| Infrastructure Development |
| Organisational Design : System Approach |
| Knowledge Management |
| Claim Management |
| Finance (Elective) |
| International Finance |
| Treasury & Risk Management |
| Investment Banking |
| Financial Engineering |

| TRIMESTER IX |
|------------------------------------------------|
| Project work – Management Internship Programme |

M.PHARM. (Quality Assurance) + MBA (Pharma Tech And Health Care Management)**FIRST YEAR**

| TRIMESTER I | |
|----------------------|----------------------------------------------|
| Subject Code | Subjects |
| 487 DRA | Drug Regulatory Affairs & Quality Systems |
| 495 PHA | Modern Approaches in Pharmaceutical Analysis |
| | LAB |
| 861 BC | Business Communication |
| 964 PPM | Principles and Practice of Management |
| 866 BEC | Business Economics |
| 868 SMMD | Statistical Methods for Management Decisions |
| TRIMESTER II | |
| Subject Code | Subjects |
| 777 PHA | Approaches to Analytical Method Development |
| 490 PCE | Biopharmaceutics and Pharmacokinetics |
| 792 PCE | Product Development and Validation |
| | LAB |
| 964 MTI | Management of Technology & Innovation |
| 883 MM | Marketing Management |
| 865 FAC | Financial accounting |
| 871 PM | Project Management |
| TRIMESTER III | |
| Subject Code | Subjects |
| 794 OPS | Quality Management |
| 504 PCH | Drug Evaluation Techniques |
| 494 QUA | Quality Assurance |
| | LAB |
| 963 PM | Pharmaceutical Marketing |
| 870 OR | Operations Research |
| 859 LAB | Legal aspects of Pharmaceutical Business |
| 869 CA | Cost Accounting |

SECOND YEAR

TRIMESTER IV

Project Work - Major Project (Technical) (6 Months)

TRIMESTER V

Project Work - Minor Project (Technical) (3 Months)

TRIMESTER VI

| Subject Code | Subjects |
|---------------------|------------------------------------------------------|
| 875 PIT | Pharma Industry Trends |
| 968 PIPR | Patents & Intellectual Property Management |
| 881 OPM | Operation Management |
| 880 PSL | Pharma Industry Supply Chain & Logistics Management |
| 909 SM | Strategic Management |
| 930 EPM | Entrepreneurship Management |
| 876 OB | Organizational Behaviour |
| 907 RCI | Regulation and Compliance in Pharmaceutical Industry |
| 885 QMSP | Quality Management Systems & Practices |

THIRD YEAR

| TRIMESTER VII |
|---------------------------------------------------|
| Disease Management |
| Legal Aspects of Pharmaceutical Business |
| Financial Management |
| Enterprise Planning System with SAP |
| Public Health Research and Epidemiology |
| Pharma Tech (Elective) |
| Pharmacovigilance |
| Health Insurance / Health Financing System |
| Hospital Management |
| Business Process Management |
| Marketing (Elective) |
| Marketing of Pharmaceutical Products |
| Sales Promotion in Pharma |
| Marketing Strategy |
| Consumer Behaviour |
| IT & Operations (Elective) |
| Operation Strategy (Including Planning & Control) |
| Simulation Modelling |
| System Analysis & Design |
| Services & Operation Management |
| Finance (Elective) |
| Current Update on Finance |
| Tax Planning (Corporate & Personal) |
| Financial Institutes & Markets |
| Project Risk & Insurance Management |

| TRIMESTER VIII |
|--------------------------------------------------------------------|
| Negotiation Skills |
| Pharmacoeconomics |
| IT in Pharmaceutical Industry |
| Research Methodology |
| Management of Commercial Banks |
| Pharma Tech (Elective) |
| Management of Pharma Technology Acquisition & Transfer |
| DPCO |
| Medical Devices / Diagnostics |
| Healthcare Research |
| Marketing (Elective) |
| International Marketing |
| Distribution Management |
| Sales Management |
| Customer Relationship Management |
| Marketing Through Different Channels (Online, Social Media etc...) |
| IT & Operations (Elective) |
| International Project Management |
| Infrastructure Development |
| Organisational Design : System Approach |
| Knowledge Management |
| Claim Management |
| Finance (Elective) |
| International Finance |
| Treasury & Risk Management |
| Investment Banking |
| Financial Engineering |

| TRIMESTER IX |
|------------------------------------------------|
| Project work – Management Internship Programme |

M.PHARM. (Pharmaceutical Analysis) + MBA (Pharma Tech And Health Care Management)

FIRST YEAR

| TRIMESTER I | |
|----------------------|----------------------------------------------|
| Subject Code | Subjects |
| 487 DRA | Drug Regulatory Affairs & Quality Systems |
| 495 PHA | Modern Approaches in Pharmaceutical Analysis |
| | LAB |
| 861 BC | Business Communication |
| 964 PPM | Principles and Practice of Management |
| 866 BEC | Business Economics |
| 868 SMMD | Statistical Methods for Management Decisions |
| TRIMESTER II | |
| Subject Code | Subjects |
| 777 PHA | Approaches to Analytical Method Development |
| 775 PCE | Pharmacopoeial testing |
| 770 PCE | QC, GLP & Lab Management |
| | LAB |
| 964 MTI | Management of Technology & Innovation |
| 883 MM | Marketing Management |
| 865 FAC | Financial accounting |
| 871 PM | Project Management |
| TRIMESTER III | |
| Subject Code | Subjects |
| 794 OPS | Quality Management |
| 504 PCH | Drug Evaluation Techniques |
| 494 QUA | Quality Assurance |
| | LAB |
| 963 PM | Pharmaceutical Marketing |
| 870 OR | Operations Research |
| 859 LAB | Legal aspects of Pharmaceutical Business |
| 869 CA | Cost Accounting |

SECOND YEAR

TRIMESTER IV

Project Work - Major Project (Technical) (6 Months)

TRIMESTER V

Project Work - Minor Project (Technical) (3 Months)

TRIMESTER VI

| Subject Code | Subjects |
|---------------------|------------------------------------------------------|
| 875 PIT | Pharma Industry Trends |
| 968 PIPR | Patents & Intellectual Property Management |
| 881 OPM | Operation Management |
| 880 PSL | Pharma Industry Supply Chain & Logistics Management |
| 909 SM | Strategic Management |
| 930 EPM | Entrepreneurship Management |
| 876 OB | Organizational Behaviour |
| 907 RCI | Regulation and Compliance in Pharmaceutical Industry |
| 885 QMSP | Quality Management Systems & Practices |

THIRD YEAR

| TRIMESTER VII |
|---------------------------------------------------|
| Disease Management |
| Legal Aspects of Pharmaceutical Business |
| Financial Management |
| Enterprise Planning System with SAP |
| Public Health Research and Epidemiology |
| Pharma Tech (Elective) |
| Pharmacovigilance |
| Health Insurance / Health Financing System |
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| Marketing (Elective) |
| Marketing of Pharmaceutical Products |
| Sales Promotion in Pharma |
| Marketing Strategy |
| Consumer Behaviour |
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| Operation Strategy (Including Planning & Control) |
| Simulation Modelling |
| System Analysis & Design |
| Services & Operation Management |
| Finance (Elective) |
| Current Update on Finance |
| Tax Planning (Corporate & Personal) |
| Financial Institutes & Markets |
| Project Risk & Insurance Management |

| TRIMESTER VIII |
|--------------------------------------------------------------------|
| Negotiation Skills |
| Pharmacoeconomics |
| IT in Pharmaceutical Industry |
| Research Methodology |
| Management of Commercial Banks |
| Pharma Tech (Elective) |
| Management of Pharma Technology Acquisition & Transfer |
| DPCO |
| Medical Devices / Diagnostics |
| Healthcare Research |
| Marketing (Elective) |
| International Marketing |
| Distribution Management |
| Sales Management |
| Customer Relationship Management |
| Marketing Through Different Channels (Online, Social Media etc...) |
| IT & Operations (Elective) |
| International Project Management |
| Infrastructure Development |
| Organisational Design : System Approach |
| Knowledge Management |
| Claim Management |
| Finance (Elective) |
| International Finance |
| Treasury & Risk Management |
| Investment Banking |
| Financial Engineering |

| TRIMESTER IX |
|------------------------------------------------|
| Project work – Management Internship Programme |