# INTEGRAL UNIVERSITY, LUCKNOW

## FACULTY OF PHARMACY

## MASTER OF PHARMACY (M.PHARM)

# MASTER OF PHARMACY - PHARMACOLOGY

## Semester I

| S. No. | Course code | Course Title | Type of Paper | Period | | | Evaluation Scheme | | | | Subject Total | Credit | Total Credits | Attributes | | | | | | | United Nations Sustainable Development Goals (SDGs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Per hr/week/sem | | | | | | | | | | | | | | | | | |
| | | | | Lecture (L) | Tutorial (T) | Practical (P) | Continuous Mode (CM) | Sessional Exam (SE) | Total | End Semester Exam (ESE) | | | | Employability | Entrepreneurship | Skill Development | Gender Equality | Environment & Sustainability | Human Value | Professional Ethics | |
| **THEORY** | | | | | | | | | | | | | | | | | | | | | |
| 1 | MPL101T | MODERN PHARMACEUTICAL ANALYTICAL TECHNIQUES | Core | 4 | 0 | 0 | 10 | 15 | 25 | 75 | 100 | 4 | 4 | √ | | √ | | √ | | | |
| 2 | MPL102T | ADVANCED PHARMACOLOGY I | Core | 4 | 0 | 0 | 10 | 15 | 25 | 75 | 100 | 4 | 4 | √ | | √ | | | √ | √ | |
| 3 | MPL103T | PHARMACOLOGICAL AND TOXICOLOGICAL SCREENING METHODS I | Core | 4 | 0 | 0 | 10 | 15 | 25 | 75 | 100 | 4 | 4 | √ | √ | √ | √ | √ | √ | √ | |
| 4 | MPL104T | CELLULAR AND MOLECULAR PHARMACOLOGY | Core | 4 | 0 | 0 | 10 | 15 | 25 | 75 | 100 | 4 | 4 | | | √ | | | | | |
| **PRACTICAL** | | | | | | | | | | | | | | | | | | | | | |
| 1 | MPL105P | PHARMACOLOGY PRACTICAL I | Core | 0 | 0 | 12 | 20 | 30 | 50 | 100 | 150 | 6 | 6 | √ | √ | √ | √ | √ | √ | √ | |
| | | | **Total** | **16** | **0** | **12** | **60** | **90** | **150** | **400** | **550** | **22** | **22** | | | | | | | | |

# Semester II

| S. No. | Course code | Course Title | Type of Paper | Period | | | Evaluation Scheme | | | | Subject Total | Credit | Total Credits | Attributes | | | | | | | United Nations Sustainable Development Goals (SDGs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Per hr/week/sem | | | | | | | | | | | | | | | | | |
| | | | | Lecture (L) | Tutorial (T) | Practical (P) | Continuous Mode (CM) | Sessional Exam (SE) | Total | End Semester Exam (ESE) | | | | Employability | Entrepreneurship | Skill Development | Gender Equality | Environment & Sustainability | Human Value | Professional Ethics | |
| **THEORY** | | | | | | | | | | | | | | | | | | | | | |
| 1 | MPL201T | ADVANCED PHARMACOLOGY II | Core | 4 | 0 | 0 | 10 | 15 | 25 | 75 | 100 | 4 | 4 | √ | √ | | √ | | | √ | |
| 2 | MPL202T | PHARMACOLOGICAL AND TOXICOLOGICAL SCREENING METHODS II | Core | 4 | 0 | 0 | 10 | 15 | 25 | 75 | 100 | 4 | 4 | √ | √ | √ | √ | √ | √ | √ | |
| 3 | MPL203T | PRINCIPLES OF DRUG DISCOVERY | Core | 4 | 0 | 0 | 10 | 15 | 25 | 75 | 100 | 4 | 4 | √ | √ | √ | | √ | √ | √ | |
| 4 | MPL204T | CLINICAL RESEARCH AND PHARMACOVIGILANCE | Core | 4 | 0 | 0 | 10 | 15 | 25 | 75 | 100 | 4 | 4 | √ | √ | √ | | | | √ | |
| **PRACTICAL** | | | | | | | | | | | | | | | | | | | | | |
| 1 | MPL 205P | PH ARMACOLOGICAL PRACTICAL II | Core | 0 | 0 | 12 | 20 | 30 | 50 | 100 | 150 | 6 | 6 | √ | √ | √ | √ | √ | √ | √ | |
| | | | **Total** | **16** | **0** | **12** | **60** | **90** | **150** | **400** | **550** | **22** | **22** | | | | | | | | |

# Semester III

| S. No. | Course code | Course Title | Type of Paper | Period | | | Evaluation Scheme | | | | Subject Total | Credit | Total Credits | Attributes | | | | | | | United Nations Sustainable Development Goals (SDGs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Per hr/week/sem | | | | | | | | | | | | | | | | | |
| | | | | Lecture (L) | Tutorial (T) | Practical (P) | Continuous Mode (CM) | Sessional Exam (SE) | Total | End Semester Exam (ESE) | | | | Employability | Entrepreneurship | Skill Development | Gender Equality | Environment & Sustainability | Human Value | Professional Ethics | |
| **THEORY** | | | | | | | | | | | | | | | | | | | | | |
| 1 | MRM301T | RESEARCH METHODOLOGY AND BIOSTATISTICS | Core | 4 | 0 | 0 | 10 | 15 | 25 | 75 | 100 | 4 | 4 | √ | √ | √ | | | | √ | |
| | | | **Total** | **4** | **0** | **0** | **10** | **15** | **25** | **75** | **100** | **4** | **4** | | | | | | | | |