


M. Pharmaceutics

| SMAS | | M. Pharm (Pharmaceutics) Scheme of Studies 2018-20 | | | | | | | | | | | | M.Pharmacy | |
|----------------------|------------|--|--------------|---|-----------|----------|-----------|---------------|--|--------------|--------------|-----------|-----------|------------|-----------|
| YEAR | | Odd Semester | | | | | | Even Semester | | | | | | | |
| FIRST | Course cod | Course Title | Type | L | T | P | C | Course cod | Course Title | Type | L | T | P | C | |
| | MPH101T | Modern Pharmaceutical Analytical Techniques | OE | 4 | - | - | 4 | MPH201T | Molecular Pharmaceutics (Nano Tech & Targeted DDS) | EM | 4 | - | - | 4 | |
| | MPH102T | Drug delivery systems | SD | 4 | - | - | 4 | MPH202T | Advanced Biopharmaceutics & | EM | 4 | - | - | 4 | |
| | MPH103T | Modern Pharmaceutics | SD | 4 | - | - | 4 | MPH203T | Computer Aided Drug Delivery System | SD | 4 | - | - | 4 | |
| | MPH104T | Regulatory Affair | EM | 4 | - | - | 4 | MPH204T | Cosmetics & Cosmeceuticals | SD | 4 | - | - | 4 | |
| | MPH105P | Pharmaceutics Practical I | SD | - | - | 12 | 6 | MPH205P | Pharmaceutics Practical II | SD | - | - | 12 | 6 | |
| | MPH106S | Seminar / Assignment | SD | - | - | 7 | 4 | MPH206S | Seminar / Assignment | SD | - | - | 7 | 4 | |
| | | | Total | | 16 | 0 | 19 | 26 | | | Total | 16 | 0 | 19 | 26 |
| SECOND | Course cod | Course Title | Type | L | T | P | C | Course cod | Course Title | Type | L | T | P | C | |
| | MRM 301T | Research Methodology and Biostatistics | OE | 4 | - | - | 4 | MPH401S | Journal Club | SD | - | - | - | 1 | |
| | MPH302S | Journal Club | SD | - | - | - | 1 | MPH402P | Research Work | EM | - | - | 31 | 16 | |
| | MPH303S | Discussion / Presentation (Proposal) | SD | - | - | - | 2 | MPH403S | Discussion / Final Presentation | SD | - | - | - | 3 | |
| | MPH304P | Research Work | EM | - | - | 28 | 14 | | | Total | 0 | 0 | 31 | 20 | |
| | | | Total | | 4 | 0 | 28 | 21 | | | Total | 0 | 0 | 31 | 20 |
| Total Credits | | | | | | | | | | | | 93 | | | |


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M. Pharmacology

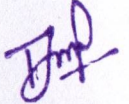
| SMAS | M. Pharm (Pharmacology) Scheme of Studies 2020-22 | | | | | | | | | | | | | M.Pharmacy | | | | |
|----------------------|---|---|------|----------|-----------|-----------|-----------|---------------|--|------|-----------|-----------|----------|------------|-----------|----------|-----------|-----------|
| YEAR | Odd Semester | | | | | | | Even Semester | | | | | | | | | | |
| FIRST | Course cod | Course Title | Type | L | T | P | C | Course cod | Course Title | Type | L | T | P | C | | | | |
| | MPL101T | Modern Pharmaceutical Analytical Techniques | OE | 4 | - | - | 4 | MPL201T | Advanced Pharmacology II | SD | 4 | - | - | 4 | | | | |
| | MPL102T | Advanced Pharmacology I | SD | 4 | - | - | 4 | MPL202T | Pharmacological and Toxicological Screening Methods-II | SD | 4 | - | - | 4 | | | | |
| | MPL103T | Pharmacological and Toxicological Screening Methods-I | SD | 4 | - | - | 4 | MPL203T | Principles of Drug Discovery | SD | 4 | - | - | 4 | | | | |
| | MPL104T | Cellular & Molecular Pharmacology | SD | 4 | - | - | 4 | MPL204T | Clinical Research & Pharmacovigilance | EM | 4 | - | - | 4 | | | | |
| | MPL105P | Experimental Pharmacology - I | SD | - | - | 12 | 6 | MPL205P | Experimental Pharmacology - II | SD | - | - | 12 | 6 | | | | |
| | MPL 106S | Seminar / Assignment | SD | - | - | 7 | 4 | MPL206S | Seminar/Assignment | SD | - | - | 7 | 4 | | | | |
| | Total | | | | 16 | 0 | 19 | 26 | Total | | | 16 | 0 | 19 | 26 | | | |
| SECOND | Course cod | Course Title | | L | T | P | C | Course cod | Course Title | | L | T | P | C | | | | |
| | MRM 301T | Research Methodology and Biostatistics | OE | 4 | - | - | 4 | MPL401S | Journal Club | SD | - | - | - | 1 | | | | |
| | MPL302S | Journal Club | SD | - | - | - | 1 | MPL402P | Research Work | EM | - | - | 31 | 16 | | | | |
| | MPL303S | Discussion / Presentation (Proposal Presentation) | SD | - | - | - | 2 | MPL403S | Discussion / Final Presentation | SD | - | - | - | 3 | | | | |
| | MPL304P | Research Work | EM | - | - | 28 | 14 | Total | | | | | | | 0 | 0 | 31 | 20 |
| Total | | | | 4 | 0 | 28 | 21 | Total | | | | | | | 0 | 0 | 31 | 20 |
| Total Credits | | | | | | | | | | | 93 | | | | | | | |



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M. Pharmacology

| SMAS | M. Pharm (Pharmacology) Scheme of Studies 2021-23 | | | | | | | | | | | | | M.Pharmacy | | | | |
|----------------------|---|---|------|----------|-----------|-----------|-----------|---------------|--|------|-----------|---|-----------|------------|-----------|-----------|-----------|-----------|
| YEAR | Odd Semester | | | | | | | Even Semester | | | | | | | | | | |
| FIRST | Course cod | Course Title | Type | L | T | P | C | Course cod | Course Title | Type | L | T | P | C | | | | |
| | MPL101T | Modern Pharmaceutical Analytical Techniques | OE | 4 | - | - | 4 | MPL201T | Advanced Pharmacology II | SD | 4 | - | - | 4 | | | | |
| | MPL102T | Advanced Pharmacology I | SD | 4 | - | - | 4 | MPL202T | Pharmacological and Toxicological Screening Methods-II | SD | 4 | - | - | 4 | | | | |
| | MPL103T | Pharmacological and Toxicological Screening Methods-I | SD | 4 | - | - | 4 | MPL203T | Principles of Drug Discovery | SD | 4 | - | - | 4 | | | | |
| | MPL104T | Cellular & Molecular Pharmacology | SD | 4 | - | - | 4 | MPL204T | Clinical Research & Pharmacovigilance | EM | 4 | - | - | 4 | | | | |
| | MPL105P | Experimental Pharmacology - I | SD | - | - | 12 | 6 | MPL205P | Experimental Pharmacology - II | SD | - | - | 12 | 6 | | | | |
| | MPL 106S | Seminar / Assignment | SD | - | - | 7 | 4 | MPL206S | Seminar/Assignment | SD | - | - | 7 | 4 | | | | |
| | Total | | | | 16 | 0 | 19 | 26 | Total | | | | 16 | 0 | 19 | 26 | | |
| SECOND | Course cod | Course Title | | L | T | P | C | Course cod | Course Title | | L | T | P | C | | | | |
| | MRM 301T | Research Methodology and Biostatistics | OE | 4 | - | - | 4 | MPL401S | Journal Club | SD | - | - | - | 1 | | | | |
| | MPL302S | Journal Club | SD | - | - | - | 1 | MPL402P | Research Work | EM | - | - | 31 | 16 | | | | |
| | MPL303S | Discussion / Presentation (Proposal Presentation) | SD | - | - | - | 2 | MPL403S | Discussion / Final Presentation | SD | - | - | - | 3 | | | | |
| | MPL304P | Research Work | EM | - | - | 28 | 14 | Total | | | | | | | 0 | 0 | 31 | 20 |
| Total | | | | 4 | 0 | 28 | 21 | Total | | | | | | | 0 | 0 | 31 | 20 |
| Total Credits | | | | | | | | | | | 93 | | | | | | | |


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M. Pharmacology

| SMAS | | M. Pharm (Pharmacology) Scheme of Studies 2022-24 | | | | | | | | | | M.Pharmacy | | | | | |
|----------------------|--------------|---|------|----------|-----------|-----------|-----------|---------------|--|------|-----------|------------|----------|-----------|-----------|-----------|-----------|
| YEAR | | Odd Semester | | | | | | Even Semester | | | | | | | | | |
| FIRST | Course code | Course Title | Type | L | T | P | C | Course code | Course Title | Type | L | T | P | C | | | |
| | MPL101T | Modern Pharmaceutical Analytical Techniques | OE | 4 | - | - | 4 | MPL201T | Advanced Pharmacology II | SD | 4 | - | - | 4 | | | |
| | MPL102T | Advanced Pharmacology I | SD | 4 | - | - | 4 | MPL202T | Pharmacological and Toxicological Screening Methods-II | SD | 4 | - | - | 4 | | | |
| | MPL103T | Pharmacological and Toxicological Screening Methods-I | SD | 4 | - | - | 4 | MPL203T | Principles of Drug Discovery | SD | 4 | - | - | 4 | | | |
| | MPL104T | Cellular & Molecular Pharmacology | SD | 4 | - | - | 4 | MPL204T | Clinical Research & Pharmacovigilance | EM | 4 | - | - | 4 | | | |
| | MPL105P | Experimental Pharmacology - I | SD | - | - | 12 | 6 | MPL205P | Experimental Pharmacology - II | SD | - | - | 12 | 6 | | | |
| | MPL 106S | Seminar / Assignment | SD | - | - | 7 | 4 | MPL206S | Seminar/Assignment | SD | - | - | 7 | 4 | | | |
| | Total | | | | 16 | 0 | 19 | 26 | Total | | | 16 | 0 | 19 | 26 | | |
| SECOND | Course code | Course Title | | L | T | P | C | Course code | Course Title | | L | T | P | C | | | |
| | MRM 301T | Research Methodology and Biostatistics | OE | 4 | - | - | 4 | MPL401S | Journal Club | SD | - | - | - | 1 | | | |
| | MPL302S | Journal Club | SD | - | - | - | 1 | MPL402P | Research Work | EM | - | - | 31 | 16 | | | |
| | MPL303S | Discussion / Presentation (Proposal Presentation) | SD | - | - | - | 2 | MPL403S | Discussion / Final Presentation | SD | - | - | - | 3 | | | |
| | MPL304P | Research Work | EM | - | - | 28 | 14 | Total | | | | | | 0 | 0 | 31 | 20 |
| Total | | | | 4 | 0 | 28 | 21 | Total | | | | | | 0 | 0 | 31 | 20 |
| Total Credits | | | | | | | | | | | 93 | | | | | | |



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M. Pharm (Pharmaceutics)

| Course code | Course Title | L | T | P | C |
|-------------|---|---|---|---|---|
| MPH 303S | Discussion / Presentation (Proposal Presentation) | 0 | 0 | 0 | 2 |

Course Teacher (s):

Course Objectives:

- To develop the review literature skills
- To promote the scientific temperament in the young researcher

Course Syllabus:

Text book [TB]:

- 1.
- 2.

Reference book(s) [RB]:

- 1.
- 2.
- 3.

Evaluation Scheme:

| | Evaluation Component | Duration | Weightage (%) | Date, Time & Venue |
|---|----------------------|--------------|---------------|--------------------|
| 1 | Continuous mode | | | |
| 2 | Sessional exams | | | |
| 3 | End-Term Examination | | 50 | |
| | | | | |
| | | Total | 50 | |

| Course code | Course Title | L | T | P | C |
|-------------|---------------|---|---|----|----|
| MPH304P | Research work | 0 | 0 | 28 | 14 |

Course Teacher (s):

Course Objectives:

- To promote research skills
- To develop the critical think for the pharmaceutical sector
- To develop the review literature skills

Course Syllabus:

As per the supervisor and researcher interest

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

Text book [TB]: Not applicable

| | |
|----|--|
| 1. | |
| 2. | |
| 1. | |
| 2. | |

Reference book(s) [RB]:

| | |
|----|------------------------------|
| 1. | <u>Not applicable</u> |
| 2. | |
| 1. | |
| 2. | |
| 1. | |
| 2. | |

Evaluation Scheme:

| | Evaluation Component | Duration | Weightage (%) | Date, Time & Venue |
|---|----------------------|--------------|---------------|--------------------|
| 1 | Continuous mode | | | |
| 2 | Sessional exams | | | |
| 3 | End-Term Examination | | | |
| | | | | |
| | | Total | 350 | |

| Course code | Course Title | L | T | P | C |
|-------------|--------------|---|---|---|---|
| MPH401S | Journal Club | 0 | 0 | 0 | 1 |

Course Teacher (s):

Course Objectives:

1. To promote the soft skills for the scientific program
2. To develop the critical think for the pharmaceutical sector
3. To promote research skills

Course Syllabus:

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|--|
| |
|--|


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Text book [TB]:

3.

4.

3.

4.

Reference book(s) [RB]:

3.

4.

3.

4.

3.

4.

Evaluation Scheme:

| | Evaluation Component | Duration | Weightage (%) | Date, Time & Venue |
|---|----------------------|--------------|---------------|--------------------|
| 1 | Continuous mode | | | |
| 2 | Sessional exams | | | |
| 3 | End-Term Examination | | 25 | |
| | | | | |
| | | Total | 25 | |

| Course code | Course Title | L | T | P | C |
|-------------|---------------|---|---|----|----|
| MPH402P | Research work | 0 | 0 | 31 | 16 |

Course Teacher (s):

Course Objectives:

1. To promote research skills
2. To develop the critical think for the pharmaceutical sector
3. To develop the review literature skills

Course Syllabus:

As per the supervisor and researcher interest

Text book [TB]: Not applicable

3.

—

4.

3.

—

4.

Reference book(s) [RB]:

3.

Not applicable

4.

3.

—

4.

3.

4.