

**CHALAPATHI INSTITUTE OF PHARMACEUTICAL SCIENCES, GUNTUR
(AUTONOMOUS)**


OVERALL COURSE ATTAINMENT

ACADEMIC YEAR: 2022-2023

BATCH - 2022-2026


PROGRAMME: B.PHARMACY SEMESTER: I

| COURSE NAME | COURSE CODE | SEMESTER END ATTAINMENT (80%) | INTERNAL ASSESSMENT (20%) | OVERALL COURSE ATTAINMENT (3) |
|---|--------------------|--------------------------------------|----------------------------------|--------------------------------------|
| HUMAN ANATOMY AND PHYSIOLOGY - I | BP101T | 2.10 | 0.50 | 2.60 |
| PHARMACEUTICAL ANALYSIS - I | BP102T | 2.04 | 0.52 | 2.56 |
| PHARMACEUTICS -I | BP103T | 1.73 | 0.52 | 2.25 |
| PHARMACEUTICAL INORGANIC CHEMISTRY - I THEORY | BP104T | 1.32 | 0.46 | 1.78 |
| COMMUNICATION SKILLS - THEORY | BP105T | 2.39 | 0.49 | 2.88 |
| REMEDIAL MATHEMATICS | BP106RMT | 1.14 | 0.54 | 1.68 |
| REMEDIAL BIOLOGY | BP106RBT | 1.47 | 0.38 | 1.85 |
| HUMAN ANATOMY AND PHYSIOLOGY - I | BP107P | 2.10 | 0.51 | 2.61 |
| PHARMACEUTICAL ANALYSIS-I | BP108P | 2.23 | 0.45 | 2.68 |
| PHARMACEUTICS -I | BP109P | 2.27 | 0.54 | 2.81 |
| PHARMACEUTICAL INORGANIC CHEMISTRY - I | BP110P | 1.96 | 0.47 | 2.43 |
| COMMUNICATION SKILLS | BP111P | 1.27 | 0.44 | 1.71 |
| REMEDIAL BIOLOGY | BP112P | 2.00 | 0.57 | 2.57 |


PRINCIPAL 14/03/2024
Chalapathi Institute of Pharmaceutical Sciences
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Chalapathi Nagar, LAM, GUNTUR-54

CHALAPATHI INSTITUTE OF PHARMACEUTICAL SCIENCES, GUNTUR**(AUTONOMOUS)****OVERALL COURSE ATTAINMENT****ACADEMIC YEAR: 2022-2023****BATCH - 2022-2026****PROGRAMME: B.PHARMACY SEMESTER: II**

| COURSE NAME | COURSE CODE | SEMESTER END ATTAINMENT (80%) | INTERNAL ASSESSMENT (20%) | OVERALL COURSE ATTAINMENT (3) |
|--------------------------------------|--------------------|--------------------------------------|----------------------------------|--------------------------------------|
| HUMAN ANATOMY AND PHYSIOLOGY - II | BP201T | 2.03 | 0.50 | 2.53 |
| PHARMACEUTICAL ORGANIC CHEMISTRY - I | BP202T | 1.60 | 0.46 | 2.06 |
| BIOCHEMISTRY | BP203T | 2.09 | 0.48 | 2.57 |
| PATHOPHYSIOLOGY | BP204T | 1.91 | 0.40 | 2.31 |
| COMPUTER APPLICATION IN PHARMACY | BP205T | 1.91 | 0.46 | 2.37 |
| ENVIRONMENTAL SCIENCES | BP206T | 2.34 | 0.56 | 2.90 |
| HUMAN ANATOMY AND PHYSIOLOGY - II | BP207P | 1.88 | 0.56 | 2.44 |
| PHARMACEUTICAL ORGANIC CHEMISTRY - I | BP208P | 1.48 | 0.49 | 1.97 |
| BIOCHEMISTRY | BP209P | 1.75 | 0.44 | 2.19 |
| COMPUTER APPLICATION IN PHARMACY | BP210P | 1.90 | 0.36 | 2.26 |


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**CHALAPATHI INSTITUTE OF PHARMACEUTICAL SCIENCES, GUNTUR
(AUTONOMOUS)**


OVERALL COURSE ATTAINMENT

ACADEMIC YEAR: 2022-2023

BATCH - 2021-2025


PROGRAMME: B.PHARMACY SEMESTER: III

| COURSE NAME | COURSE CODE | SEMESTER END ATTAINMENT (80%) | INTERNAL ASSESSMENT (20%) | OVERALL COURSE ATTAINMENT (3) |
|---------------------------------------|--------------------|--------------------------------------|----------------------------------|--------------------------------------|
| PHARMACEUTICAL ORGANIC CHEMISTRY - II | BP301T | 2.05 | 0.48 | 2.53 |
| PHYSICAL PHARMACEUTICS -I | BP302T | 1.34 | 0.49 | 1.83 |
| PHARMACEUTICAL MICROBIOLOGY | BP303T | 1.94 | 0.45 | 2.39 |
| PHARMACEUTICAL ENGINEERING | BP304T | 1.42 | 0.42 | 1.84 |
| PROFESSIONAL ETHICS AND HUMAN VALUES | BP305T | 1.93 | 0.56 | 2.49 |
| PHARMACEUTICAL ORGANIC CHEMISTRY - II | BP305P | 2.20 | 0.45 | 2.65 |
| PHYSICAL PHARMACEUTICS | BP306P | 2.40 | 0.51 | 2.91 |
| PHARMACEUTICAL MICROBIOLOGY | BP307P | 2.20 | 0.49 | 2.69 |
| PHARMACEUTICAL ENGINEERING | BP308P | 2.34 | 0.45 | 2.79 |


PRINCIPAL 10/03/2024
Chalapathi Institute of Pharmaceutical Sciences
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CHALAPATHI INSTITUTE OF PHARMACEUTICAL SCIENCES, GUNTUR**(AUTONOMOUS)****OVERALL COURSE ATTAINMENT****ACADEMIC YEAR: 2022-2023****BATCH - 2021-2025****PROGRAMME: B.PHARMACY SEMESTER: IV**

| COURSE NAME | COURSE CODE | SEMESTER END ATTAINMENT (80%) | INTERNAL ASSESSMENT (20%) | OVERALL COURSE ATTAINMENT (3) |
|--|--------------------|--------------------------------------|----------------------------------|--------------------------------------|
| PHARMACEUTICAL ORGANIC CHEMISTRY - III | BP401T | 1.95 | 0.38 | 2.33 |
| MEDICINAL CHEMISTRY - I | BP402T | 1.67 | 0.36 | 2.03 |
| PHYSICAL PHARMACEUTICS - II | BP403T | 2.04 | 0.49 | 2.53 |
| PHARMACOLOGY - I | BP404T | 1.62 | 0.46 | 2.08 |
| PHARMACOGNOSY & PHYTOCHEMISTRY - I | BP405T | 1.89 | 0.46 | 2.35 |
| MEDICINAL CHEMISTRY - I | BP406P | 2.19 | 0.52 | 2.71 |
| PHYSICAL PHARMACEUTICS - II | BP407P | 2.22 | 0.55 | 2.77 |
| PHARMACOLOGY - I | BP408P | 2.06 | 0.57 | 2.63 |
| PHARMACOGNOSY & PHYTOCHEMISTRY - I | BP409P | 1.94 | 0.46 | 2.40 |


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OVERALL COURSE ATTAINMENT

ACADEMIC YEAR: 2022-2023

BATCH - 2020-2024


PROGRAMME: B.PHARMACY SEMESTER: V

| COURSE NAME | COURSE CODE | SEMESTER END ATTAINMENT (80%) | INTERNAL ASSESSMENT (20%) | OVERALL COURSE ATTAINMENT (3) |
|-------------------------------------|--------------------|--------------------------------------|----------------------------------|--------------------------------------|
| MEDICINAL CHEMISTRY-II | BP501T | 1.37 | 0.42 | 1.79 |
| INDUSTRIAL PHARMACY-I | BP502T | 2.04 | 0.44 | 2.48 |
| PHARMACOLOGY-II | BP503T | 2.19 | 0.48 | 2.67 |
| PHARMACOGNOSY AND PHYTOCHEMISTRY-II | BP504T | 1.96 | 0.47 | 2.43 |
| PHARMACEUTICAL JURISPRUDENCE | BP505T | 1.82 | 0.46 | 2.28 |
| INDUSTRIAL PHARMACY-I | BP506P | 2.38 | 0.48 | 2.86 |
| PHARMACOLOGY-II | BP507P | 2.39 | 0.55 | 2.94 |
| PHARMACOGNOSY AND PHYTOCHEMISTRY-II | BP508P | 1.88 | 0.38 | 2.26 |


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CHALAPATHI INSTITUTE OF PHARMACEUTICAL SCIENCES, GUNTUR**(AUTONOMOUS)****OVERALL COURSE ATTAINMENT****ACADEMIC YEAR: 2022-2023****BATCH – 2020-2024****PROGRAMME: B.PHARMACY SEMESTER: VI**

| COURSE NAME | COURSE CODE | SEMESTER END ATTAINMENT (80%) | INTERNAL ASSESSMENT (20%) | OVERALL COURSE ATTAINMENT (3) |
|-------------------------------------|--------------------|--------------------------------------|----------------------------------|--------------------------------------|
| MEDICINAL CHEMISTRY – III | BP 601 T | 1.68 | 0.44 | 2.12 |
| PHARMACOLOGY – III | BP 602 T | 1.87 | 0.53 | 2.40 |
| HERBAL DRUG TECHNOLOGY | BP 603 T | 2.17 | 0.49 | 2.66 |
| BIOPHARMACEUTICS & PHARMACOKINETICS | BP 604 T | 2.17 | 0.53 | 2.70 |
| PHARMACEUTICAL BIOTECHNOLOGY | BP 605 T | 2.10 | 0.46 | 2.56 |
| QUALITY ASSURANCE | BP 606 T | 2.27 | 0.46 | 2.73 |
| MEDICINAL CHEMISTRY – III | BP 607 P | 1.76 | 0.51 | 2.27 |
| PHARMACOLOGY – III | BP 608 P | 1.55 | 0.52 | 2.07 |
| HERBAL DRUG TECHNOLOGY | BP 609 P | 2.08 | 0.48 | 2.56 |


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**CHALAPATHI INSTITUTE OF PHARMACEUTICAL SCIENCES, GUNTUR
(AUTONOMOUS)**

OVERALL COURSE ATTAINMENT

ACADEMIC YEAR: 2022-2023

BATCH - 2019-2023

PROGRAMME: B.PHARMACY SEMESTER: VII

| COURSE NAME | COURSE CODE | SEMESTER END ATTAINMENT (80%) | INTERNAL ASSESSMENT (20%) | OVERALL COURSE ATTAINMENT (3) |
|----------------------------------|--------------------|--------------------------------------|----------------------------------|--------------------------------------|
| INSTRUMENTAL METHODS OF ANALYSIS | BP 701 T | 2.14 | 0.42 | 2.56 |
| INDUSTRIAL PHARMACY - II | BP 702 T | 1.87 | 0.54 | 2.41 |
| PHARMACY PRACTICE | BP 703 T | 1.30 | 0.45 | 1.75 |
| NOVEL DRUG DELIVERY SYSTEM | BP 704 T | 1.90 | 0.45 | 2.35 |
| INSTRUMENTAL METHODS OF ANALYSIS | BP 705 P | 1.99 | 0.48 | 2.47 |
| PRACTICE SCHOOL | BP 706 PS | 2.26 | 0.55 | 2.81 |

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CHALAPATHI INSTITUTE OF PHARMACEUTICAL SCIENCES, GUNTUR
(AUTONOMOUS)


OVERALL COURSE ATTAINMENT

ACADEMIC YEAR: 2022-2023

BATCH - 2019-2023

PROGRAMME: B.PHARMACY SEMESTER: VIII

| COURSE NAME | COURSE CODE | SEMESTER END ATTAINMENT (80%) | INTERNAL ASSESSMENT (20%) | OVERALL COURSE ATTAINMENT (3) |
|--------------------------------------|-------------|-------------------------------|---------------------------|-------------------------------|
| BIostatistics & RESEARCH METHODOLOGY | BP801T | 1.62 | 0.45 | 2.07 |
| SOCIAL AND PREVENTIVE PHARMACY | BP802T | 2.34 | 0.48 | 2.82 |
| PHARMACEUTICAL REGULATORY SCIENCE | BP804ET | 2.04 | 0.53 | 2.57 |
| PHARMACOVIGILANCE | BP805ET | 1.85 | 0.35 | 2.20 |
| ADVANCED INSTRUMENTAL TECHNIQUES | BP811ET | 1.98 | 0.33 | 2.31 |
| PROJECT WORK | BP813PW | 2.94 | — | 2.94 |


PRINCIPAL 14/03/2024
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**CHALAPATHI INSTITUTE OF PHARMACEUTICAL SCIENCES
(AUTONOMOUS)**

B.Pharmacy (2019 - 2023 Batch) - PO Attainment

| Name of the Course | Course Code | Program outcomes | | | | | | | | | | | Average Outcomes |
|---|-------------|------------------|------|------|------|------|------|------|------|------|------|------|------------------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | |
| I/IV B.Pharmacy (1st Semester) | | | | | | | | | | | | | |
| Human Anatomy and Physiology-I (Theory) | BP101T | 2.30 | 2.05 | 1.92 | 1.53 | - | 1.38 | - | 1.53 | 1.40 | 1.34 | 2.30 | 1.75 |
| Pharmaceutical Analysis - I (Theory) | BP102T | 2.47 | 2.47 | 2.24 | 1.57 | 1.79 | 1.79 | - | - | - | 1.79 | 1.64 | 1.97 |
| Pharmaceutics – I (Theory) | BP103T | 2.18 | 1.67 | 2.51 | 2.51 | - | 2.18 | 1.67 | - | - | 1.67 | 1.67 | 2.01 |
| Pharmaceutical Inorganic chemistry (Theory) | BP104T | 2.03 | 1.79 | 1.63 | - | - | 1.63 | - | - | 1.63 | 1.63 | - | 1.72 |
| Communication Skills (Theory) | BP105T | 1.92 | 1.67 | - | - | 2.09 | 1.67 | - | 1.92 | 1.67 | - | 2.51 | 1.92 |
| Remedial Biology (Theory) | BP106RBT | 2.58 | 1.98 | 2.13 | - | - | 1.60 | - | 1.21 | 2.44 | 0.91 | 2.13 | 1.87 |
| Remedial Mathematics (Theory) | BP106RMT | 1.06 | 1.22 | 1.48 | 1.06 | - | - | - | - | - | - | 1.59 | 1.28 |
| Human Anatomy and Physiology-I (Practical) | BP107P | 2.63 | 1.97 | 2.46 | 2.46 | - | 1.97 | - | 1.97 | 1.97 | 1.97 | 2.29 | 2.19 |
| Pharmaceutical Analysis - I (Theory) | BP108P | 2.12 | 2.12 | 2.12 | 1.67 | - | - | - | 1.97 | - | 1.97 | 1.97 | 1.99 |
| Pharmaceutics – I (Practical) | BP109P | 2.80 | 2.33 | 2.80 | 1.87 | - | 2.80 | - | - | - | - | 2.80 | 2.57 |
| Pharmaceutical Inorganic chemistry (Practical) | BP110P | 2.30 | 2.20 | 1.91 | - | - | 1.91 | - | - | 1.91 | 1.91 | 1.91 | 2.01 |
| Communication Skills (Practical) | BP111P | 2.60 | - | - | 1.73 | - | 1.73 | - | 1.99 | - | - | 2.17 | 2.05 |
| Remedial Biology (Practical) | BP112RBP | 1.75 | 1.55 | 1.86 | 1.24 | - | 0.93 | - | - | 1.24 | - | 0.93 | 1.36 |
| I/IV B.Pharmacy (2nd Semester) | | | | | | | | | | | | | |
| Human Anatomy and Physiology - II (Theory) | BP 201 T | 2.40 | 1.86 | 2.24 | - | - | 1.46 | - | - | 1.60 | 1.20 | 2.14 | 1.84 |
| Pharmaceutical Organic Chemistry – I (Theory) | BP 202 T | 1.78 | 1.54 | 1.48 | 1.48 | - | - | - | - | 1.78 | 1.78 | 1.48 | 1.62 |
| Biochemistry (Theory) | BP 203 T | 1.91 | 1.91 | 1.91 | 1.91 | - | 1.59 | - | 1.27 | 1.59 | - | 1.91 | 1.75 |
| Pathophysiology (Theory) | BP 204 T | 2.14 | 2.14 | 2.14 | - | - | 2.14 | - | 1.43 | 1.90 | - | 1.43 | 1.90 |
| Computer Applications in Pharmacy (Theory) | BP 205 T | 2.01 | 1.86 | 2.15 | 1.79 | - | - | 2.15 | - | - | - | 1.86 | 1.97 |
| Environmental Sciences (Theory) | BP 206 T | 2.13 | 1.94 | 1.94 | 1.46 | - | 1.94 | 0.00 | 2.43 | 0.00 | 2.43 | 1.55 | 1.58 |
| Human Anatomy and Physiology - II (Practical) | BP 207 P | 2.73 | 2.31 | 2.50 | 2.50 | 0.00 | 1.76 | - | - | 1.93 | 1.28 | 2.41 | 1.94 |
| Pharmaceutical Organic Chemistry – I (Practical) | BP 208 P | 2.54 | 2.72 | 2.36 | 2.36 | - | 2.72 | - | 2.72 | 2.72 | 2.72 | 2.36 | 2.58 |
| Biochemistry (Practical) | BP 209 P | 2.83 | - | 2.83 | - | - | 2.36 | - | 2.83 | 2.52 | - | - | 2.67 |
| Computer Applications in Pharmacy (Practical) | BP 210 P | 2.52 | 2.25 | 2.25 | 2.70 | - | - | - | 2.70 | - | - | 2.70 | 2.52 |
| II B.Pharmacy (3rd Semester) | | | | | | | | | | | | | |
| Pharmaceutical Organic Chemistry – II (Theory) | BP 301 T | 1.83 | 2.19 | 2.19 | - | - | 2.19 | - | 2.19 | - | 1.68 | 1.46 | 1.96 |
| Physical Pharmaceutics - I (Theory) | BP 302 T | 2.76 | 2.76 | 2.30 | 2.76 | - | - | - | - | - | - | 2.76 | 2.67 |
| Pharmaceutical Microbiology (Theory) | BP 303 T | 1.84 | 2.08 | 2.40 | - | - | - | - | 1.60 | - | - | 2.40 | 2.06 |
| Pharmaceutical Engineering (Theory) | BP 304 T | 1.75 | 1.63 | 1.63 | 1.63 | 1.40 | - | 1.40 | 2.10 | 1.63 | - | 1.87 | 1.67 |
| Pharmaceutical Organic Chemistry – II (Practical) | BP 305 P | 2.44 | 2.82 | 2.35 | 2.35 | - | - | - | - | 1.88 | 2.82 | 2.44 | 2.44 |
| Physical Pharmaceutics - I (Practical) | BP 306 P | 2.88 | 2.88 | - | 2.64 | - | - | - | - | 2.88 | - | 2.88 | 2.83 |
| Pharmaceutical Microbiology (Practical) | BP 307 P | 2.43 | 2.53 | 2.92 | - | - | - | - | 2.92 | - | - | 1.95 | 2.55 |
| Pharmaceutical Engineering (Practical) | BP 308 P | 2.42 | 2.42 | 2.90 | 2.18 | 2.90 | - | 1.93 | 1.93 | 1.93 | - | 2.42 | 2.34 |
| II B.Pharmacy (4th Semester) | | | | | | | | | | | | | |
| Pharmaceutical Organic Chemistry – III (Theory) | BP401T | 1.98 | 1.59 | 1.98 | 1.59 | - | - | - | - | - | 1.59 | 2.06 | 1.80 |
| Medicinal Chemistry – I (Theory) | BP402T | 1.77 | 1.41 | 1.41 | 1.41 | - | 1.41 | - | - | 1.41 | 1.41 | 1.91 | 1.52 |
| Physical Pharmaceutics - II (Theory) | BP403T | 2.08 | 1.04 | 1.39 | 1.39 | - | - | - | - | - | - | 1.62 | 1.50 |
| Pharmacology - I (Theory) | BP404T | 1.46 | 1.46 | 1.88 | 0.63 | - | 1.00 | 1.36 | 1.13 | 1.57 | 0.63 | 1.46 | 1.26 |

| | | | | | | | | | | | | | |
|---------------------------------------|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Project Work | BP813PW | 2.94 | 2.55 | 1.96 | 2.74 | 2.94 | 2.25 | 2.45 | 2.65 | 2.25 | 2.45 | 2.94 | 2.56 |
| Average (Direct PO Attainment) | | 2.14 | 1.90 | 1.97 | 1.79 | 1.70 | 1.75 | 1.67 | 1.88 | 1.76 | 1.70 | 1.92 | 1.83 |
| Set Target Attainment (80%) | | 1.71 | 1.52 | 1.57 | 1.43 | 1.36 | 1.40 | 1.33 | 1.51 | 1.41 | 1.36 | 1.54 | 1.47 |
| Indirect PO Attainment | | 2.73 | 2.84 | 2.62 | 2.59 | 2.92 | 2.79 | 2.86 | 2.69 | 2.8 | 2.93 | 2.84 | 2.78 |
| Indirect PO Attainment (20%) | | 0.55 | 0.57 | 0.52 | 0.52 | 0.58 | 0.56 | 0.57 | 0.54 | 0.56 | 0.59 | 0.57 | 0.56 |
| Total PO Attainment | | 2.26 | 2.09 | 2.10 | 1.95 | 1.95 | 1.96 | 1.91 | 2.05 | 1.97 | 1.95 | 2.11 | 2.02 |
| Set Target Attainment | | 2.14 | 1.90 | 1.97 | 1.79 | 1.70 | 1.75 | 1.67 | 1.88 | 1.76 | 1.70 | 1.92 | 1.83 |
| Attained | | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | |

NOTE: Y= ATTAINED, N= NOT ATTAINED

[Handwritten Signature]
 PRINCIPAL


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 Chalapathi Nagar, LAM, GUNTUR-34

**CHALAPATHI INSTITUTE OF PHARMACEUTICAL SCIENCES
(AUTONOMOUS)**

CO-PSO ATTAINMENT of B.Pharmacy (2019-2023 Batch)

| Code and Course | PSO-1 | PSO-2 | PSO-3 | PSO-4 | PSO-5 | Average Program Specific Outcomes (Max. 3) |
|--|-------|-------|-------|-------|-------|--|
| I Semester | | | | | | |
| BP101 T - Human anatomy and Physiology-I | 1.69 | 1.92 | - | 1.92 | 1.84 | 1.84 |
| BP102 T - Pharmaceutical Analysis-I | 1.64 | 1.50 | 1.57 | 2.09 | 2.09 | 1.78 |
| BP103 T - Pharmaceutics-I | 1.82 | 1.84 | 2.34 | 2.09 | 1.84 | 1.99 |
| BP104 T - Pharmaceutical Inorganic Chemistry | 1.49 | 1.36 | 1.36 | 1.36 | 1.49 | 1.41 |
| BP105 T - Communication Skills | 2.18 | 2.09 | 2.09 | 2.09 | 2.09 | 2.11 |
| BP106 RBT - Remedial Biology | 1.33 | 1.33 | 1.59 | 1.59 | 1.27 | 1.42 |
| BP106 RMT - Remedial Mathematics | 2.51 | 2.19 | 2.56 | 2.19 | 2.74 | 2.44 |
| BP107 P - Human Anatomy and Pysiology-I | 2.70 | 2.56 | - | 2.70 | - | 2.66 |
| BP108 P - Pharmaceutical Analysis-I | 1.97 | 1.97 | 1.48 | 1.64 | 1.48 | 1.71 |
| BP109 P - Pharmaceutics-I | 1.87 | 2.17 | 2.05 | 2.03 | 2.03 | 2.03 |
| BP110 P - Pharmaceutical Inorganic Chemistry | 1.91 | 1.75 | 1.44 | 1.60 | 1.75 | 1.69 |
| BP111 P - Communication Skills | 1.30 | 1.59 | 1.59 | 1.30 | 1.45 | 1.44 |
| BP112 RBP - Remedial Biology | 1.61 | 1.71 | 1.36 | 1.49 | 1.49 | 1.53 |
| II Semester | | | | | | |
| BP201 T - Human anatomy and physiology-II | 1.80 | 1.80 | - | 1.80 | 1.92 | 1.83 |
| BP202 T - Pharmaceutical organic chemistry-I | 1.19 | 1.19 | 0.79 | 0.89 | 0.89 | 0.99 |
| BP203 T - Biochemistry | 1.53 | 1.66 | 1.66 | 1.53 | 1.59 | 1.59 |
| BP204 T - Pathophysiology | 1.96 | 1.85 | 1.71 | 1.85 | 1.78 | 1.83 |
| BP205 T - Computer Applications in Pharmacy | 1.97 | 1.72 | 1.79 | 1.86 | 1.86 | 1.84 |
| BP206 T - Environmental Studies | 2.43 | 2.52 | 2.18 | 2.52 | 2.33 | 2.40 |
| BP207 P - Human Anatomy and Physiology-II | 2.65 | 2.50 | 2.41 | 2.89 | 2.65 | 2.62 |
| BP208 P - Pharmaceutical Organic Chemistry-I | 1.81 | 1.66 | 1.45 | 1.09 | 1.27 | 1.46 |
| BP209 P - Biochemistry | 2.12 | 2.08 | 2.36 | 2.59 | 2.12 | 2.25 |
| BP210 P - Computer applications in Pharmacy | 2.16 | 2.48 | 2.34 | 2.16 | 2.25 | 2.28 |
| III Semester | | | | | | |
| BP301 T Pharmaceutical Organic Chemistry-II | 1.46 | 1.46 | 1.22 | 1.22 | 1.10 | 1.29 |
| BP302 T - Physical Pharmaceutics I | 2.00 | 2.00 | 2.14 | 2.00 | 2.14 | 2.06 |
| BP303 T - Pharmaceutical Microbiology | 2.00 | 2.14 | 2.00 | 2.14 | 2.14 | 2.08 |
| BP304 T - Pharmaceutical Engineering | 1.63 | 1.52 | 1.63 | 1.75 | 1.63 | 1.63 |
| BP305 T - Professional Ethics and Human Values | 1.81 | 1.81 | 1.26 | 1.45 | 1.26 | 1.52 |
| BP305 P - Pharmaceutical Organic Chemistry-II | 1.88 | 1.88 | 1.32 | 1.50 | 1.32 | 1.58 |
| BP306 P -Physical Pharmaceutics I | 2.40 | 2.30 | 2.24 | 2.11 | 2.40 | 2.29 |
| BP307 P - Pharmaceutical Microbiology | 2.43 | 2.60 | 2.60 | 2.60 | 2.27 | 2.50 |
| BP308 P - Pharmaceutical Engineering | 2.42 | 2.42 | 2.42 | 2.25 | 2.25 | 2.35 |
| IV Semester | | | | | | |
| BP401 T - Pharmaceutical Organic Chemistry-III | 1.59 | 1.32 | 1.45 | 1.19 | 1.32 | 1.38 |
| BP402 T - Medicinal Chemistry-I | 1.41 | 1.17 | 1.53 | 1.06 | 1.17 | 1.27 |
| BP403 T - Physical Pharmaceutics-II | 1.50 | 1.73 | 1.50 | 1.73 | 1.73 | 1.64 |
| BP404 T - Pharmacology-I | 1.25 | 1.15 | 1.05 | 1.15 | 0.94 | 1.11 |
| BP405 T - Pharmacognosy and Phytochemistry-I | 1.59 | 1.59 | 1.89 | 1.45 | 1.16 | 1.54 |
| BP406 P - Medicinal Chemistry-I | 2.30 | 2.01 | 2.34 | 2.01 | 2.34 | 2.20 |

| | | | | | | |
|--|--------------|--------------|--------------|-------------|--------------|---------------|
| BP407 P - Physical Pharmaceutics-II | 1.99 | 2.02 | 2.57 | 2.29 | 2.02 | 2.18 |
| BP408 P - Pharmacology-I | 1.77 | 2.06 | 1.77 | 1.62 | 1.33 | 1.71 |
| BP409 P - Pharmacognosy and Phytochemistry-I | 1.57 | 2.04 | 1.10 | 1.25 | 1.25 | 1.44 |
| V Semester | | | | | | |
| BP501 T - Medicinal Chemistry-II | 1.39 | 1.16 | 1.04 | 1.16 | 1.04 | 1.16 |
| BP502 T - Industrial Pharmacy-I | 1.56 | 1.56 | 1.45 | 1.56 | 1.45 | 1.52 |
| BP503 T - Pharmacology-II | 1.20 | 0.90 | 0.90 | 1.10 | 0.90 | 1.00 |
| BP504 T - Pharmacognosy and Phytochemistry-II | 1.96 | 1.68 | 1.82 | 1.82 | 1.75 | 1.80 |
| BP505 T - Pharmaceutical Jurisprudence | 2.12 | 2.42 | 2.20 | 2.20 | 2.20 | 2.23 |
| BP506 P - Industrial Pharmacy-I | 1.94 | 1.94 | 1.94 | 1.75 | 1.75 | 1.87 |
| BP507 P - Pharmacology-II | 1.64 | 1.91 | 1.37 | 1.64 | 1.50 | 1.61 |
| BP508 P - Pharmacognosy and Phytochemistry-II | 1.90 | 2.09 | 1.90 | 2.09 | 1.71 | 1.94 |
| VI Semester | | | | | | |
| BP601 T - Medicinal Chemistry-III | 1.54 | 1.54 | 1.42 | 1.54 | 1.78 | 1.57 |
| BP602 T - Pharmacology-III | 1.38 | 1.49 | 1.38 | 2.06 | 1.49 | 1.56 |
| BP603 T - Herbal Drug Technology | 1.17 | 1.40 | 1.52 | 1.64 | 1.88 | 1.52 |
| BP604 T - Biopharmaceutics and Pharmacokinetics | 1.05 | 1.07 | 1.36 | 1.21 | 0.97 | 1.13 |
| BP605 T - Pharmaceutical Biotechnology | 1.38 | 1.04 | 1.61 | 1.61 | 1.73 | 1.47 |
| BP606 T - Pharmaceutical Quality Assurance | 1.14 | 1.43 | 1.86 | 1.71 | 1.71 | 1.57 |
| BP607 P - Medicinal Chemistry-III | 1.41 | 1.28 | 1.54 | 1.54 | 1.54 | 1.46 |
| BP608 P - Pharmacology-III | 2.10 | 2.10 | 1.94 | 2.10 | 1.82 | 2.01 |
| BP609 P - Herbal Drug Technology | 1.20 | 1.32 | 1.20 | 0.99 | 1.10 | 1.16 |
| VII Semester | | | | | | |
| BP701 T - Instrumental Methods of Analysis | 1.71 | 1.71 | 1.56 | 1.28 | 1.56 | 1.57 |
| BP702 T - Industrial Pharmacy-II | 1.87 | 1.87 | 2.27 | 2.01 | 1.87 | 1.98 |
| BP703 T - Pharmacy Practice | 1.52 | 1.36 | 1.56 | 1.28 | 1.52 | 1.45 |
| BP704 T - Novel Drug Delivery System | 1.31 | 1.31 | 1.31 | 0.92 | 1.17 | 1.20 |
| BP705 P - Instrumental Methods of Analysis | 1.51 | 1.51 | 1.24 | 1.24 | 1.38 | 1.37 |
| BP706 PS - Practice School | 2.81 | 2.50 | 1.87 | 2.18 | 2.81 | 2.43 |
| VIII Semester | | | | | | |
| BP801 T - Biostatistics and Research Methodology | 2.07 | 1.85 | 1.38 | 1.61 | 2.07 | 1.80 |
| BP802 T - Social and Preventive Pharmacy | 2.82 | - | 2.82 | 2.82 | 2.35 | 2.71 |
| BP804 ET - Pharmaceutical Regulatory Science | 1.86 | - | - | 2.14 | 2.14 | 2.05 |
| BP805 ET - Pharmacovigilance | 2.07 | 2.20 | - | 2.07 | 1.83 | 2.04 |
| BP811 ET - Advanced Instrumentation Techniques | 1.93 | 2.18 | 1.54 | - | 1.54 | 1.80 |
| BP813 PW - Project Work | 2.94 | 2.70 | 2.45 | 2.21 | 2.94 | 2.65 |
| Average (Direct PSO attainment) | 1.82 | 1.80 | 1.73 | 1.76 | 1.73 | 1.78 |
| Direct PSO attainment (80%) | 1.45 | 1.44 | 1.39 | 1.41 | 1.39 | 1.42 |
| Indirect PSO attainment | 2.84 | 2.93 | 2.96 | 2.85 | 2.74 | 2.86 |
| Indirect PSO attainment (20%) | 0.568 | 0.586 | 0.592 | 0.57 | 0.548 | 0.5728 |
| Total PSO attainment | 2.02 | 2.02 | 1.98 | 1.98 | 1.93 | 2.00 |
| SET TARGET | 1.82 | 1.80 | 1.73 | 1.76 | 1.73 | 1.78 |
| | Y | Y | Y | Y | Y | Y |


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CHALAPATHI INSTITUTE OF PHARMACEUTICAL SCIENCES, GUNTUR

(AUTONOMOUS)


PROGRAMME : M. PHARMACY

COURSE ATTAINMENT

PHARMACEUTICS (BATCH 2022-2024)

ACADEMIC YEAR 2022-2023

| Course and Code | External Attainment (80%) | Internal Attainment (20%) | Overall Attainment (100%) |
|--|---------------------------|---------------------------|---------------------------|
| Semester – I | | | |
| MPH101T- Modern Pharmaceutical Analytical Techniques | 1.24 | 0.42 | 1.66 |
| MPH102T: DRUG DELIVERY SYSTEM | 1.69 | 0.54 | 2.23 |
| MPH103T: MODERN PHARMACEUTICS | 1.89 | 0.57 | 2.46 |
| MPH104T: REGULATORY AFFAIRS | 2.32 | 0.54 | 2.86 |
| MPH105P: PHARMACEUTICS PRACTICAL - I | 2.26 | 0.57 | 2.83 |
| MPH106: SEMINAR / ASSIGNMENT | 3.00 | | 3.00 |


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CHALAPATHI INSTITUTE OF PHARMACEUTICAL SCIENCES, GUNTUR

(AUTONOMOUS)


PROGRAMME : M. PHARMACY

COURSE ATTAINMENT

Pharmaceutical Analysis (BATCH 2022-2024)

ACADEMIC YEAR 2022-2024³

| Course and Code | External Attainment (80%) | Internal Attainment (20%) | Overall Attainment (100%) |
|--|----------------------------------|----------------------------------|----------------------------------|
| Semester – 1 | | | |
| MPA101T- Modern Pharmaceutical Analytical Techniques | 1.47 | 0.51 | 1.98 |
| MPA102T- Advanced Pharmaceutical Analysis | 1.47 | 0.56 | 2.03 |
| MPA103T- Pharmaceutical Validation | 1.67 | 0.56 | 2.23 |
| MPA104T- Food Analysis | 1.45 | 0.51 | 1.96 |
| MPA105P- Pharmaceutical Analysis Practical - I | 2.40 | 0.55 | 2.95 |
| MPH106: SEMINAR / ASSIGNMENT | 3.00 | | 3.00 |


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CHALAPATHI INSTITUTE OF PHARMACEUTICAL SCIENCES, GUNTUR

(AUTONOMOUS)


PROGRAMME : M. PHARMACY

COURSE ATTAINMENT

PHARMACOLOGY (BATCH 2022-2024)


ACADEMIC YEAR 2022-2023

| Course and Code | External Attainment (80%) | Internal Attainment (20%) | Overall Attainment (100%) |
|--|--|--|--|
| Semester – I | | | |
| Modern Pharmaceutical Analytical Techniques (MPL 101T) | 1.49 | 0.48 | 1.97 |
| Advanced Pharmacology-I (MPL 102 T) | 1.33 | 0.39 | 1.72 |
| Pharmacological and Toxicological Screening Methods-I (MPL 103 T) | 1.77 | 0.35 | 2.12 |
| Cellular and Molecular Pharmacology (MPL 104 T) | 1.67 | 0.47 | 2.14 |
| Pharmacology Practical-I (MPL 105 P) | 1.25 | 0.54 | 1.79 |
| Seminar/Assignment (MPL 106) | 3.00 | | 3.00 |


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CHALAPATHI INSTITUTE OF PHARMACEUTICAL SCIENCES, GUNTUR**(AUTONOMOUS)****PROGRAMME : M. PHARMACY****COURSE ATTAINMENT****REGULATORY AFFAIRS (BATCH 2022-2024)****ACADEMIC YEAR 2022-2023**

| Course title & Code | External Attainment (80%) | Internal Attainment (20%) | Overall Attainment (100%) |
|--|---------------------------|---------------------------|---------------------------|
| Semester – I | | | |
| MRA 101T: GOOD REGULATORY PRACTICE | 1.82 | 0.49 | 2.31 |
| MRA 102T: DOCUMENTATION AND REGULATORY WRITING | 1.53 | 0.52 | 2.05 |
| MRA103T: CLINICAL RESEARCH REGULATIONS | 1.63 | 0.45 | 2.08 |
| MRA 104T: REGULATION AND LEGISLATION FOR DRUGS & COSMETICS, MEDICAL DEVICES, BIOLOGICALS | 1.84 | 0.49 | 2.33 |
| MRA105P: REGULATORY AFFAIRS PRACTICAL -I | 2.40 | 0.40 | 2.80 |
| MRH106: SEMINAR/ASSIGNMENT | 3.00 | | 3.00 |


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CHALAPATHI INSTITUTE OF PHARMACEUTICAL SCIENCES, GUNTUR

(AUTONOMOUS)

PROGRAMME : M. PHARMACY


COURSE ATTAINMENT

PHARMACEUTICS (BATCH 2022-2024)

ACADEMIC YEAR 2022-2023


Semester – II

| Course and Code | External Attainment (80%) | Internal Attainment (20%) | Overall Attainment (100%) |
|---|---------------------------|---------------------------|---------------------------|
| MPH201T: MOLECULAR PHARMACEUTICS | 1.73 | 0.49 | 2.22 |
| MPH202T- ADVANCED BIOPHARMACEUTICS & PHARMACOKINETICS | 2.30 | 0.51 | 2.81 |
| MPH203T- COMPUTER AIDED DRUG DELIVERY SYSTEM | 2.21 | 0.57 | 2.78 |
| MPH204T- COSMETIC AND COSMECEUTICALS | 2.02 | 0.58 | 2.60 |
| MPH205P- PHARMACEUTICS PRACTICAL – II | 2.31 | 0.58 | 2.89 |
| MPH206: SEMINAR / ASSIGNMENT | 3.00 | - | 3.00 |


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CHALAPATHI INSTITUTE OF PHARMACEUTICAL SCIENCES, GUNTUR**(AUTONOMOUS)****PROGRAMME : M. PHARMACY****COURSE ATTAINMENT****Pharmaceutical Analysis (BATCH 2022-2024)****ACADEMIC YEAR 2022-2023****Semester – II**

| Course and Code | External Attainment (80%) | Internal Attainment (20%) | Overall Attainment (100%) |
|---|--|--|--|
| MPA201T- Advanced Instrumental Analysis | 1.65 | 0.51 | 1.65 |
| MPA202T- Modern Bio-analytical Techniques | 1.35 | 0.60 | 1.35 |
| MPA203T- Quality Control and Quality Assurance | 1.73 | 0.54 | 1.73 |
| MPA204T- Herbal and Cosmetic Analysis | 1.30 | 0.47 | 1.30 |
| MPA205P- Pharmaceutical Analysis Practical - II | 2.40 | 0.60 | 2.40 |
| MPH206: SEMINAR / ASSIGNMENT | 3.00 | - | 3.00 |


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CHALAPATHI INSTITUTE OF PHARMACEUTICAL SCIENCES, GUNTUR

(AUTONOMOUS)

PROGRAMME : M. PHARMACY

COURSE ATTAINMENT

PHARMACOLOGY (BATCH 2022-2024)

ACADEMIC YEAR 2022-2023

| Course and Code | External Attainment (80%) | Internal Attainment (20%) | Overall Attainment (100%) |
|--|----------------------------------|----------------------------------|----------------------------------|
| Semester – II | | | |
| Advanced Pharmacology-II (MPL 201 T) | 1.35 | 0.52 | 1.87 |
| Pharmacological and Toxicological Screening Methods-II (MPL 202 T) | 1.52 | 0.49 | 2.01 |
| Principles of Drug Discovery (MPL 203 T) | 1.50 | 0.41 | 1.91 |
| Clinical Research and Pharmacovigilance (MPL 204 T) | 1.71 | 0.54 | 2.25 |
| Pharmacology Practical-II (MPL 205 P) | 2.02 | 0.50 | 2.52 |
| Seminar/Assignment (MPL 206) | 3.00 | - | 3.00 |


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CHALAPATHI INSTITUTE OF PHARMACEUTICAL SCIENCES, GUNTUR

(AUTONOMOUS)


PROGRAMME : M. PHARMACY

COURSE ATTAINMENT

REGULATORY AFFAIRS (BATCH 2022-2024)

ACADEMIC YEAR 2022-2023

| Course title & Code | External Attainment (80%) | Internal Attainment (20%) | Overall Attainment (100%) |
|--|--|--|--|
| Semester – II | | | |
| MRA 201T: REGULATORY ASPECTS OF DRUGS & COSMETICS | 1.91 | 0.53 | 2.44 |
| MRA202T: REGULATORY ASPECTS OF HERBALS & BIOLOGICALS | 2.03 | 0.51 | 2.54 |
| MRA 203T: REGULATORY ASPECTS OF MEDICAL DEVICES | 1.70 | 0.55 | 2.25 |
| MRA204T: REGULATORY ASPECTS OF FOOD & NUTRACEUTICALS | 1.42 | 0.57 | 1.99 |
| MRA 205P: REGULATORY AFFAIRS PRACTICAL –II | 2.40 | 0.59 | 2.99 |
| MRA206: SEMINAR/ASSIGNMENT | 3.00 | | 3.00 |


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CHALAPATHI INSTITUTE OF PHARMACEUTICAL SCIENCES, GUNTUR
(AUTONOMOUS)

PROGRAMME : M. PHARMACY

COURSE OUTCOME ATTAINMENT (ACADEMIC YEAR : 2022-2023)

M.PHARMACY (PHARMACEUTICS) BATCH :2021-2023

| Course and Code | External Attainment (80%) | Internal Attainment (20%) | Overall Attainment (100%) |
|--|---------------------------|---------------------------|---------------------------|
| Semester – III | | | |
| MRM 301T: RESEARCH METHODOLOGY AND BIostatISTICS | 2.28 | 0.15 | 2.43 |
| MRM302- JOURNAL CLUB | 3.00 | - | 3.00 |
| Discussion / Presentation (MRM 303) | 3.00 | - | 3.00 |
| Research Work (MRM 304) | 3.00 | - | 3.00 |
| Semester – IV | | | |
| MRM401: JOURNAL CLUB | 3.00 | - | 3.00 |
| MRM 402: PROJECT WORK | 3.00 | - | 3.00 |
| Discussion/Final Presentation (MRM 403) | 3.00 | - | 3.00 |


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CHALAPATHI INSTITUTE OF PHARMACEUTICAL SCIENCES, GUNTUR

(AUTONOMOUS)


PROGRAMME : M. PHARMACY

COURSE OUTCOME ATTAINMENT

Pharmaceutical Analysis BATCH : (2021-2023)

ACADEMIC YEAR : (2022-2023)

| Course and Code | External Attainment (80%) | Internal Attainment (20%) | Overall Attainment (100%) |
|--|---------------------------|---------------------------|---------------------------|
| Semester – III | | | |
| MRM 301T: RESEARCH METHODOLOGY AND BIOSTATISTICS | 2.33 | 0.45 | 2.78 |
| MRM302- JOURNAL CLUB | 3.00 | - | 3.00 |
| Discussion / Presentation (MRM 303) | 3.00 | - | 3.00 |
| Research Work (MRM 304) | 3.00 | - | 3.00 |
| Semester – IV | | | |
| MRM401: JOURNAL CLUB | 3.00 | - | 3.00 |
| MRM 402: PROJECT WORK | 3.00 | - | 3.00 |
| Discussion/Final Presentation (MRM 403) | 3.00 | - | 3.00 |


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**CHALAPATHI INSTITUTE OF PHARMACEUTICAL SCIENCES, GUNTUR
(AUTONOMOUS)**

PROGRAMME : M. PHARMACY

COURSE OUTCOME ATTAINMENT (ACADEMIC YEAR : 2022-2023)

M.PHARMACY (PHARMACOLOGY) (BATCH : 2021-2023)

| Course and Code | External Attainment (80%) | Internal Attainment (20%) | Overall Attainment (100%) |
|--|--|--|--|
| Semester – III | | | |
| Research Methodology and Biostatistics (MRM 301 T) | 2.27 | 0.40 | 2.67 |
| Journal Club (MRM 302) | 3.00 | - | 3.00 |
| Discussion / Presentation (MRM 303) | 3.00 | - | 3.00 |
| Research Work (MRM 304) | 3.00 | - | 3.00 |
| Semester – IV | | | |
| Journal Club (MRM 401) | 3.00 | - | 3.00 |
| Research Work (MRM 402) | 3.00 | - | 3.00 |
| Discussion/Final Presentation (MRM 403) | 3.00 | - | 3.00 |


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CHALAPATHI INSTITUTE OF PHARMACEUTICAL SCIENCES, GUNTUR
(AUTONOMOUS)

PROGRAMME : M. PHARMACY

COURSE OUTCOME ATTAINMENT (ACADEMIC YEAR : (2022-2023)

M.PHARMACY (REGULATORY AFFAIRS) (BATCH : 2021-2023)

| Course and Code | External Attainment (80%) | Internal Attainment (20%) | Overall Attainment (100%) |
|--|---------------------------|---------------------------|---------------------------|
| Semester – III | | | |
| MRM 301T: RESEARCH METHODOLOGY AND BIOSTATISTICS | 2.38 | 0.36 | 2.74 |
| MRM302: JOURNAL CLUB | 3.00 | - | 3.00 |
| Discussion / Presentation (MRM 303) | 3.00 | - | 3.00 |
| Research Work (MRM 304) | 3.00 | - | 3.00 |
| Semester – IV | | | |
| MRM401: JOURNAL CLUB | 3.00 | - | 3.00 |
| MRM 402: PROJECT WORK | 3.00 | - | 3.00 |
| Discussion/Final Presentation (MRM 403) | 3.00 | - | 3.00 |


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M.PHARMACY - PHARMACEUTICS


PROGRAM OUTCOME ATTAINMENT

BATCH: 2021-2023 ACADEMIC YEAR : 2022-2023

| Course title & Code | Program outcomes | | | | | | | | | | Average program Outcomes (max. 3.00) |
|---|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | |
| | Semester - I | | | | | | | | | | |
| MPH101T- Modern Pharmaceutical Analytical Techniques | 0.83 | 0.67 | 0.91 | | | | 1.00 | | | 0.75 | 0.83 |
| MPH102T: DRUG DELIVERY SYSTEM | 2.16 | 1.73 | 2.33 | | 1.90 | 1.73 | 1.98 | 1.73 | 1.73 | 1.90 | 1.91 |
| MPH103T: MODERN PHARMACEUTICS | 1.68 | 1.85 | 2.19 | | 1.93 | | 1.68 | 1.68 | 1.68 | 1.93 | 1.83 |
| MPH104T: REGULATORY AFFAIRS | 2.19 | | 1.83 | | | | 1.83 | 1.83 | | 2.01 | 1.94 |
| MPH105P: PHARMACEUTICS PRACTICAL - I | 1.98 | 1.98 | 2.18 | | 1.98 | | 2.38 | | | 2.28 | 2.13 |
| MPH106: SEMINAR / ASSIGNMENT | 3.00 | 3.00 | 3.00 | | | | 3.00 | | | 3.00 | 3.00 |
| Semester - II | | | | | | | | | | | |
| MPH201T: MOLECULAR PHARMACEUTICS | 2.07 | 1.88 | 2.45 | | 1.88 | 1.88 | 2.07 | 1.88 | | 2.64 | 2.09 |
| MPH202T- ADVANCED BIOPHARMACEUTICS & PHARMACOKINETICS | 2.04 | 1.85 | 1.85 | | 1.85 | | 1.85 | 1.85 | 1.85 | 1.85 | 1.87 |
| MPH203T- COMPUTER AIDED DRUG DELIVERY SYSTEM | 1.96 | 1.78 | 1.78 | | 1.78 | | 1.78 | | | 1.78 | 1.81 |
| MPH204T- COSMETIC AND COSMECEUTICALS | 1.85 | 1.85 | 1.85 | 1.85 | | | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 |
| MPH205P- PHARMACEUTICS PRACTICAL – II | 2.14 | 1.95 | 2.14 | | 2.24 | 1.95 | 2.14 | | | 2.14 | 2.10 |
| MPH206: SEMINAR / ASSIGNMENT | 2.90 | 2.90 | 2.90 | | | | 2.90 | | | 2.90 | 2.90 |
| Semester - III | | | | | | | | | | | |
| MRM 301T: RESEARCH METHODOLOGY AND BIOSTATISTICS | 2.43 | 2.43 | | | 2.43 | 2.43 | 2.43 | 2.16 | | 2.22 | 2.36 |
| MRM302- JOURNAL CLUB | 3.00 | 3.00 | 3.00 | | 3.00 | 3.00 | 3.00 | | 3.00 | 3.00 | 3.00 |
| Discussion / Presentation (MRM 303) | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 |
| Research Work (MRM 304) | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 |
| Semester - IV | | | | | | | | | | | |
| MRM401: JOURNAL CLUB | 3.00 | 3.00 | 3.00 | | 3.00 | 3.00 | 3.00 | | 3.00 | 3.00 | 3.00 |
| MRM 402: PROJECT WORK | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 |
| Discussion/Final Presentation (MRM 403) | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 |
| Average (Direct PO attainment) | 2.31 | 2.24 | 2.31 | 2.43 | 2.31 | 2.51 | 2.29 | 2.04 | 2.40 | 2.30 | 2.31 |
| Direct PO attainment (80%) | 1.85 | 1.79 | 1.85 | 1.94 | 1.85 | 2.00 | 1.83 | 1.63 | 1.92 | 1.84 | 1.85 |
| Indirect PO attainment | 2.8 | 2.75 | 2.93 | 2.86 | 2.77 | 2.68 | 2.93 | 2.85 | 2.84 | 2.92 | 2.83 |
| Indirect PO attainment (20%) | 0.56 | 0.55 | 0.59 | 0.57 | 0.55 | 0.54 | 0.59 | 0.57 | 0.57 | 0.58 | 0.57 |
| Total PO attainment | 2.41 | 2.34 | 2.44 | 2.51 | 2.40 | 2.54 | 2.42 | 2.20 | 2.49 | 2.42 | 2.42 |
| Target | 2.01 | 1.93 | 1.99 | 2.00 | 1.97 | 2.13 | 1.99 | 1.79 | 2.00 | 1.99 | |
| | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y |

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| M.PHARMACY - PHARMACEUTICAL ANALYSIS | | | | | | | | | | | | |
|--|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------------------|
| PROGRAM OUTCOME ATTAINMENT | | | | | | | | | | | | |
| BATCH: 2021-2023 ACADEMIC YEAR : 2022-2023 | | | | | | | | | | | | |
| Course title & Code | Program outcomes | | | | | | | | | | | Average program Outcomes (max. 3.00) |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | |
| Semester – I | | | | | | | | | | | | |
| MPA101T- Modern Pharmaceutical Analytical Techniques | 1.60 | 1.17 | 1.22 | 1.17 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.15 |
| MPA102T- Advanced Pharmaceutical Analysis | 2.37 | 2.09 | 2.18 | 2.09 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 2.00 |
| MPA103T- Pharmaceutical Validation | 2.26 | 1.99 | 2.08 | 1.99 | 1.81 | 1.81 | 1.81 | 1.36 | 0.90 | 1.81 | 1.81 | 1.78 |
| MPA104T- Food Analysis | 1.72 | 1.40 | 1.47 | 1.40 | 1.27 | 1.27 | 1.27 | 0.96 | 0.96 | 0.96 | 1.27 | 1.27 |
| MPA105P- Pharmaceutical Analysis Practical - I | 2.73 | 2.44 | 2.64 | 2.25 | 1.95 | 2.25 | 2.25 | 1.76 | 1.76 | 2.25 | 1.95 | 2.20 |
| MPA106: SEMINAR / ASSIGNMENT | 1.74 | 1.31 | 2.62 | 2.18 | 1.74 | 0.87 | 0.87 | 2.62 | 1.74 | 1.74 | 2.62 | 1.82 |
| Semester – II | | | | | | | | | | | | |
| MPA201T- Advanced Instrumental Analysis | 2.25 | 1.95 | 2.25 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 2.01 |
| MPA202T- Modern Bio-analytical Techniques | 2.05 | 1.83 | 1.98 | 1.69 | 1.47 | 1.47 | 1.47 | 1.10 | 1.10 | 1.47 | 1.47 | 1.55 |
| MPA203T- Quality Control and Quality Assurance | 2.34 | 2.09 | 2.26 | 1.92 | 1.67 | 1.67 | 1.67 | 1.50 | 1.42 | 1.67 | 1.67 | 1.81 |
| MPA204T- Herbal and Cosmetic Analysis | 2.62 | 2.23 | 2.43 | 2.14 | 1.94 | 1.94 | 1.94 | 1.46 | 1.46 | 1.46 | 1.94 | 1.96 |
| MPA205P- Pharmaceutical Analysis Practical - II | 2.47 | 2.17 | 2.27 | 2.17 | 1.97 | 1.97 | 1.97 | 1.48 | 0.99 | 1.97 | 1.97 | 1.95 |
| MPA206: SEMINAR / ASSIGNMENT | 1.69 | 1.27 | 2.54 | 2.12 | 1.69 | 0.85 | 0.85 | 2.54 | 1.69 | 1.69 | 2.54 | 1.77 |
| Semester – III | | | | | | | | | | | | |
| MRM 301T: RESEARCH METHODOLOGY AND BIOSTATISTICS | 2.78 | 1.86 | 2.78 | 1.86 | 0.93 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 | 2.78 | 2.03 |
| MRM302- JOURNAL CLUB | 1.00 | 1.50 | 3.00 | 2.33 | 3.00 | 1.00 | 1.00 | 3.00 | 2.00 | 1.00 | 3.00 | 1.98 |
| Discussion / Presentation (MRM 303) | 2.00 | 1.67 | 3.00 | 3.00 | 2.00 | 2.00 | 1.00 | 3.00 | 2.00 | 1.00 | 3.00 | 2.15 |
| Research Work (MRM 304) | 2.00 | 1.67 | 3.00 | 3.00 | 2.00 | 2.00 | 1.00 | 3.00 | 2.00 | 1.00 | 3.00 | 2.15 |
| Semester – IV | | | | | | | | | | | | |
| MRM401: JOURNAL CLUB | 1.00 | 1.50 | 3.00 | 2.33 | 3.00 | 1.00 | 1.00 | 3.00 | 2.00 | 1.00 | 3.00 | 1.98 |
| MRM 402: PROJECT WORK | 2.00 | 1.67 | 3.00 | 3.00 | 2.00 | 2.00 | 1.00 | 3.00 | 2.00 | 1.00 | 3.00 | 2.15 |
| Discussion/Final Presentation (MRM 403) | 2.00 | 1.67 | 3.00 | 3.00 | 2.00 | 2.00 | 1.00 | 3.00 | 2.00 | 1.00 | 3.00 | 2.15 |
| Average (Direct PO attainment) | 2.03 | 1.76 | 2.46 | 2.19 | 1.86 | 1.62 | 1.41 | 2.08 | 1.62 | 1.46 | 2.26 | 1.89 |
| Direct PO attainment (80%) | 1.63 | 1.41 | 1.97 | 1.75 | 1.49 | 1.30 | 1.13 | 1.66 | 1.30 | 1.17 | 1.81 | 1.51 |
| Indirect PO attainment | 2.92 | 2.72 | 2.81 | 2.85 | 2.76 | 2.87 | 2.75 | 2.91 | 2.72 | 2.86 | 2.88 | 2.82 |
| Indirect PO attainment (20%) | 0.58 | 0.54 | 0.56 | 0.57 | 0.55 | 0.57 | 0.55 | 0.58 | 0.54 | 0.57 | 0.58 | 0.56 |
| Total PO attainment | 2.21 | 1.95 | 2.53 | 2.32 | 2.04 | 1.87 | 1.68 | 2.25 | 1.84 | 1.74 | 2.38 | 2.07 |
| Target | 1.77 | 1.56 | 2.02 | 1.86 | 1.63 | 1.50 | 1.35 | 1.80 | 1.47 | 1.39 | 1.91 | |
| | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y |


 PRINCIPAL 14/03/2024
 Chalapathi Institute of Pharmaceutical Scien.
 (Autonomous)
 Chalapathi Nagar, LAM, GUNTUR-34

M.PHARMACY - PHARMACOLOGY

PROGRAM OUTCOME ATTAINMENT

BATCH: 2021-2023 ACADEMIC YEAR : 2022-2023

| PROGRAM OUTCOME ATTAINMENT OF 2021-2023 - M.PHARMACY (PHARMACOLOGY) | | | | | | | | | |
|---|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------|
| Course and Code | Program Outcomes | | | | | | | | Average program Outcomes |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | (max. 3.00) |
| Semester – I | | | | | | | | | |
| Modern Pharmaceutical Analytical Techniques (MPA 101T) | 1.81 | 1.33 | 1.39 | 1.33 | 1.21 | 1.21 | 1.21 | 1.21 | 1.33 |
| Advanced Pharmacology-I (MPL 102 T) | 2.15 | 2.01 | | 1.22 | 2.15 | 1.43 | 1.43 | 2.15 | 1.79 |
| Pharmacological and Toxicological Screening Methods-I (MPL 103 T) | 0.64 | | 1.93 | 1.28 | 1.80 | 1.09 | 1.03 | 1.93 | 1.39 |
| Cellular and Molecular Pharmacology (MPL 104 T) | 1.49 | 1.61 | | 1.01 | 1.07 | 0.89 | 0.89 | 1.61 | 1.22 |
| Pharmacology Practical-I (MPL 105 P) | 1.85 | 2.22 | 2.49 | 1.66 | 2.31 | 1.66 | | 2.31 | 2.07 |
| Seminar/Assignment (MPL 106) | 2.50 | 3.00 | 2.80 | 2.80 | 3.00 | 3.00 | 3.00 | 3.00 | 2.89 |
| Semester – II | | | | | | | | | |
| Advanced Pharmacology-II (MPL 201 T) | 1.80 | 1.80 | | 1.20 | 1.80 | | | 1.80 | 1.68 |
| Pharmacological and Toxicological Screening Methods-II (MPL 202 T) | 1.70 | | 2.37 | 1.70 | 2.37 | 1.70 | 1.36 | 2.37 | 1.94 |
| Principles of Drug Discovery (MPL 203 T) | 1.36 | 2.41 | | 1.61 | 1.44 | 1.61 | 1.61 | 2.17 | 1.74 |
| Clinical Research and Pharmacovigilance (MPL 204 T) | 1.67 | 2.09 | 1.92 | 1.67 | 2.09 | 1.42 | | 2.34 | 1.89 |
| Pharmacology Practical-II (MPL 205 P) | 1.45 | 1.93 | 2.22 | 1.93 | 1.93 | 1.93 | | 2.89 | 2.04 |
| Seminar/Assignment (MPL 206) | 2.50 | 3.00 | 2.80 | 2.80 | 3.00 | 3.00 | 3.00 | 3.00 | 2.89 |
| Semester – III | | | | | | | | | |
| Research Methodology and Biostatistics (MRM 301 T) | 1.95 | 2.13 | 2.49 | 1.78 | 2.31 | 2.13 | 2.49 | 2.67 | 2.24 |
| Journal Club (MRM 302) | 3.00 | 2.00 | 0.00 | 0.00 | 0.00 | 2.00 | 1.70 | 1.70 | 1.30 |
| Discussion / Presentation (MRM 303) | 2.30 | 3.00 | 2.70 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 2.88 |
| Research Work (MRM 304) | 2.30 | 3.00 | 2.70 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 2.88 |
| Semester – IV | | | | | | | | | |
| Journal Club (MRM 401) | 2.20 | 3.00 | 2.50 | 2.50 | 3.00 | 3.00 | 3.00 | 3.00 | 2.78 |
| Research Work (MRM 402) | 2.30 | 3.00 | 2.70 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 2.88 |
| Discussion/Final Presentation (MRM 403) | 2.30 | 3.00 | 2.70 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 2.88 |
| Average (Direct PO attainment) | 1.96 | 2.38 | 2.25 | 1.92 | 2.18 | 2.11 | 2.18 | 2.43 | 2.18 |
| Direct PO attainment (80%) | 1.57 | 1.91 | 1.80 | 1.54 | 1.75 | 1.69 | 1.74 | 1.94 | 1.74 |
| Indirect PO attainment | 2.95 | 2.64 | 2.67 | 2.91 | 2.67 | 2.38 | 2.49 | 2.87 | 2.70 |
| Indirect PO attainment (20%) | 0.59 | 0.53 | 0.53 | 0.58 | 0.53 | 0.48 | 0.50 | 0.57 | 0.54 |
| Total PO attainment | 2.16 | 2.43 | 2.33 | 2.12 | 2.28 | 2.17 | 2.24 | 2.52 | 2.28 |
| Target PO attainment | 1.82 | 2.16 | 2.12 | 1.84 | 2.12 | 1.87 | 1.93 | 2.24 | 2.01 |
| | Y | Y | Y | Y | Y | Y | Y | Y | Y |

Ramkrishna 14/03/2024
PRINCIPAL

M.PHARMACY - REGULATORY AFFAIRS


PROGRAM OUTCOME ATTAINMENT

BATCH: 2021-2023 ACADEMIC YEAR : 2022-2023

| Course title & Code | Program outcomes | | | | | | | | | | | Average program Outcomes (max. 3.00) |
|--|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | |
| Semester – I | | | | | | | | | | | | |
| MRA 101T: GOOD REGULATORY PRACTICE | 2.58 | 1.72 | 1.29 | 1.72 | 0.86 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 2.58 | 1.76 |
| MRA 102T: DOCUMENTATION AND REGULATORY WRITING | 2.35 | 1.81 | 2.44 | 1.81 | 1.81 | 1.17 | 1.81 | 1.54 | 1.81 | 1.81 | 2.35 | 1.88 |
| MRA103T: CLINICAL RESEARCH REGULATIONS | 2.25 | 1.61 | 2.01 | 1.61 | 0.81 | 2.01 | 1.61 | 1.61 | 1.61 | 1.61 | 1.93 | 1.70 |
| MRA 104T: REGULATION AND LEGISLATION FOR DRUGS & COSMETICS, MEDICAL DEVICES, BIOLOGICALS | 2.94 | 2.94 | 1.96 | 1.96 | 0.98 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 2.94 | 2.14 |
| MRA105P: REGULATORY AFFAIRS PRACTICAL -I | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 2.89 | 2.01 |
| MRA106: SEMINAR / ASSIGNMENT | 3.00 | 3.00 | 3.00 | 3.00 | | | | | | 3.00 | 3.00 | 3.00 |
| Semester – II | | | | | | | | | | | | |
| MRA 201T: REGULATORY ASPECTS OF DRUGS & COSMETICS | 2.51 | 1.67 | 1.67 | 1.67 | 1.67 | 1.67 | 1.67 | 1.67 | 1.67 | 1.67 | 2.51 | 1.82 |
| MRA202T: REGULATORY ASPECTS OF HERBALS & BIOLOGICALS | 1.96 | 1.51 | 2.26 | 1.51 | 1.51 | 1.51 | 1.51 | 1.51 | 1.51 | 1.51 | 1.96 | 1.66 |
| MRA 203T: REGULATORY ASPECTS OF MEDICAL DEVICES | 1.63 | 1.63 | 2.45 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.96 | 1.74 |
| MRA204T: REGULATORY ASPECTS OF FOOD & NUTRACEUTICALS | 1.76 | 2.65 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 2.65 | 1.92 |
| MRA 205P: REGULATORY AFFAIRS PRACTICAL –II | 1.99 | 1.99 | 1.99 | 2.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 2.99 | 2.17 |
| MRA206: SEMINAR / ASSIGNMENT | 3.00 | 3.00 | 3.00 | 3.00 | | | | | | 3.00 | 3.00 | 3.00 |
| Semester – III | | | | | | | | | | | | |
| MRM 301T: RESEARCH METHODOLOGY AND BIOSTATISTICS | 2.74 | 1.82 | 2.74 | 1.82 | 0.91 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 2.74 | 1.99 |
| MRM302- JOURNAL CLUB | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | | 3.00 | 3.00 | | | | 3.00 |
| Discussion / Presentation (MRM 303) | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 |
| Research Work (MRM 304) | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 |
| Semester – IV | | | | | | | | | | | | |
| MRM401: JOURNAL CLUB | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | | 3.00 | 3.00 | | | | 3.00 |
| MRM 402: PROJECT WORK | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 |
| Discussion/Final Presentation (MRM 403) | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 |
| Average (Direct PO attainment) | 2.56 | 2.38 | 2.45 | 2.34 | 1.99 | 1.74 | 2.20 | 2.19 | 2.09 | 2.20 | 2.68 | 2.36 |
| Direct PO attainment (80%) | 2.05 | 1.91 | 1.96 | 1.87 | 1.59 | 1.40 | 1.76 | 1.75 | 1.68 | 1.76 | 2.14 | 1.89 |
| Indirect PO attainment | 2.83 | 2.92 | 2.65 | 2.88 | 2.73 | 2.65 | 2.91 | 2.89 | 2.92 | 2.81 | 2.35 | 2.78 |
| Indirect PO attainment (20%) | 0.57 | 0.58 | 0.53 | 0.58 | 0.55 | 0.53 | 0.58 | 0.58 | 0.58 | 0.56 | 0.47 | 0.56 |
| Total PO attainment | 2.61 | 2.49 | 2.49 | 2.45 | 2.14 | 1.93 | 2.34 | 2.33 | 2.26 | 2.32 | 2.61 | 2.44 |
| Target | 2.09 | 1.99 | 1.99 | 1.96 | 1.71 | 1.54 | 1.87 | 1.86 | 1.81 | 1.86 | 2.09 | 1.95 |
| | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y |


[Signature]
14/03/2024
PRINCIPAL

| M.PHARMACY - PHARMACEUTICS | | | | | |
|---|---------------------------|-------------|-------------|-------------|-----------------------------------|
| PROGRAM SPECIFIC OUTCOME ATTAINMENT | | | | | |
| BATCH: 2021-2023 ACADEMIC YEAR : 2022-2023 | | | | | |
| Course title & Code | Program Specific Outcomes | | | | Average program specific outcomes |
| | 1.00 | 2.00 | 3.00 | 4.00 | (max. 3.00) |
| Semester – I | | | | | |
| MPH101T- Modern Pharmaceutical Analytical Techniques | 1.00 | 1.00 | 1.00 | 1.10 | 1.02 |
| MPH102T: DRUG DELIVERY SYSTEM | 1.87 | 1.87 | 1.73 | 1.73 | 1.80 |
| MPH103T: MODERN PHARMACEUTICS | 1.68 | 1.68 | 1.68 | 1.85 | 1.72 |
| MPH104T: REGULATORY AFFAIRS | 1.83 | 2.01 | 1.83 | 1.98 | 1.91 |
| MPH105P: PHARMACEUTICS PRACTICAL - I | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 |
| MPH106: SEMINAR / ASSIGNMENT | 2.20 | 2.00 | 2.20 | 1.40 | 1.95 |
| Semester – II | | | | | |
| MPH201T: MOLECULAR PHARMACEUTICS | 2.66 | 2.82 | 2.51 | 2.51 | 2.63 |
| MPH202T- ADVANCED BIOPHARMACEUTICS & PHARMACOKINETICS | 2.16 | 2.31 | 2.41 | 2.47 | 2.34 |
| MPH203T- COMPUTER AIDED DRUG DELIVERY SYSTEM | 2.67 | 1.93 | 2.37 | 1.78 | 2.19 |
| MPH204T- COSMETIC AND COSMECEUTICALS | 1.39 | 2.16 | 2.78 | 2.31 | 2.16 |
| MPH205P- PHARMACEUTICS PRACTICAL – II | 2.11 | 1.63 | 2.27 | 1.29 | 1.83 |
| MPH206: SEMINAR / ASSIGNMENT | 2.13 | 1.93 | 2.13 | 1.35 | 1.89 |
| Semester – III | | | | | |
| MRM 301T: RESEARCH METHODOLOGY AND BIostatISTICS | 1.13 | 1.13 | 1.62 | 1.46 | 1.33 |
| MRM302- JOURNAL CLUB | 1.80 | 2.00 | 2.00 | 1.20 | 1.75 |
| DISCUSSION/PRESENTATION (MRM 303) | 2.40 | 2.00 | 2.60 | 1.40 | 2.10 |
| RESEARCH WORK (MRM 304) | 2.40 | 2.00 | 2.60 | 1.40 | 2.10 |
| Semester – IV | | | | | |
| MRM401: JOURNAL CLUB | 1.80 | 2.00 | 2.00 | 1.20 | 1.75 |
| MRM 402: PROJECT WORK | 2.40 | 2.00 | 2.60 | 1.40 | 2.10 |
| DISCUSSION/ FINAL PRESENTATION (MRM 403) | 2.40 | 2.00 | 2.60 | 1.40 | 2.10 |
| Average (Direct PSO attainment) | 2.00 | 1.92 | 2.15 | 1.64 | 1.93 |
| Direct PSO attainment (80%) | 1.60 | 1.53 | 1.72 | 1.31 | 1.54 |
| Indirect PSO attainment | 2.54 | 2.60 | 2.75 | 2.40 | 2.57 |
| Indirect PSO attainment (20%) | 0.51 | 0.52 | 0.55 | 0.48 | 0.51 |
| Total PSO attainment | 2.11 | 2.05 | 2.27 | 1.79 | 2.06 |
| Target | 1.71 | 1.69 | 1.84 | 1.49 | 1.68 |
| | Y | Y | Y | Y | Y |


PRINCIPAL 14/03/2024
 Chalapathi Institute of Pharmaceutical Sciences
 (Autonomous)
 Chalapathi Nagar, LAM, GUNTUR-34


M.PHARMACY - PHARMACEUTICAL ANALYSIS
PROGRAM SPECIFIC OUTCOME ATTAINMENT
BATCH: 2021-2023 ACADEMIC YEAR : 2022-2023

| Course title & Code | Program Specific Outcomes | | | | | | | | Average program specific outcomes (max. 3.00) |
|--|---------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| Semester – I | | | | | | | | | |
| MPA101T- Modern Pharmaceutical Analytical Techniques | 1.33 | 1.07 | 1.07 | 1.33 | 1.07 | 1.24 | 1.16 | 1.16 | 1.18 |
| MPA102T- Advanced Pharmaceutical Analysis | 1.71 | 1.90 | 1.42 | 1.42 | 1.90 | 2.13 | 1.90 | 2.85 | 1.90 |
| MPA103T- Pharmaceutical Validation | 1.45 | 1.81 | 2.11 | 1.81 | 1.96 | 1.81 | 1.81 | 1.81 | 1.82 |
| MPA104T- Food Analysis | 1.40 | 1.59 | 1.27 | 1.27 | 1.02 | 1.27 | 1.27 | 1.27 | 1.30 |
| MPA105P- Pharmaceutical Analysis Practical - I | 1.95 | 1.63 | 2.12 | 1.95 | 2.28 | 1.76 | 1.71 | 2.28 | 1.96 |
| MPA106: SEMINAR / ASSIGNMENT | 1.96 | 1.74 | 1.46 | 1.74 | 1.74 | 1.92 | 1.74 | 1.46 | 1.72 |
| Semester – II | | | | | | | | | |
| MPA201T- Advanced Instrumental Analysis | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 2.35 | 2.15 | 2.03 |
| MPA202T- Modern Bio-analytical Techniques | 1.47 | 1.59 | 1.47 | 1.47 | 1.71 | 1.10 | 1.47 | 1.71 | 1.50 |
| MPA203T- Quality Control and Quality Assurance | 1.67 | 2.09 | 2.01 | 1.25 | 1.95 | 1.50 | 1.25 | 1.53 | 1.66 |
| MPA204T- Herbal and Cosmetic Analysis | 2.43 | 2.43 | 1.75 | 1.94 | 1.94 | 1.62 | 1.70 | 1.94 | 1.97 |
| MPA205P- Pharmaceutical Analysis Practical - II | 2.30 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 2.01 |
| MPA206: SEMINAR / ASSIGNMENT | 1.48 | 1.48 | 1.69 | 1.69 | 1.35 | 1.90 | 1.69 | 1.97 | 1.66 |
| Semester – III | | | | | | | | | |
| MRM 301T: RESEARCH METHODOLOGY AND BIOSTATISTICS | 1.86 | 1.55 | 1.86 | 2.32 | 1.86 | 1.39 | 1.86 | 1.86 | 1.82 |
| MRM302- JOURNAL CLUB | 1.33 | 1.67 | 2.00 | 1.67 | 2.33 | 2.25 | 2.00 | 2.33 | 1.95 |
| Discussion / Presentation (MRM 303) | 1.50 | 1.50 | 2.67 | 2.50 | 2.50 | 2.33 | 2.00 | 2.33 | 2.17 |
| Research Work (MRM 304) | 2.00 | 1.50 | 2.50 | 2.50 | 2.50 | 2.33 | 1.50 | 2.33 | 2.15 |
| Semester – IV | | | | | | | | | |
| MRM401: JOURNAL CLUB | 1.67 | 1.33 | 1.50 | 2.00 | 2.33 | 2.50 | 2.00 | 2.33 | 1.96 |
| MRM 402: PROJECT WORK | 2.50 | 2.00 | 2.60 | 2.60 | 2.60 | 2.33 | 2.00 | 2.33 | 2.37 |
| Discussion/Final Presentation (MRM 403) | 2.50 | 1.50 | 2.40 | 2.40 | 2.20 | 2.33 | 2.00 | 2.33 | 2.21 |
| Average (Direct PSO attainment) | 1.81 | 1.70 | 1.88 | 1.88 | 1.96 | 1.88 | 1.76 | 2.00 | 1.86 |
| Direct PSO attainment (80%) | 1.45 | 1.36 | 1.51 | 1.51 | 1.56 | 1.50 | 1.41 | 1.60 | 1.49 |
| Indirect PSO attainment | 2.92 | 2.84 | 2.73 | 2.86 | 2.93 | 2.85 | 2.81 | 2.74 | 2.84 |
| Indirect PSO attainment (20%) | 0.58 | 0.57 | 0.55 | 0.57 | 0.59 | 0.57 | 0.56 | 0.55 | 0.57 |
| Total PSO attainment | 2.03 | 1.93 | 2.05 | 2.08 | 2.15 | 2.07 | 1.97 | 2.14 | 2.05 |
| Target | 1.63 | 1.54 | 1.64 | 1.66 | 1.72 | 1.66 | 1.57 | 1.72 | |
| | Y | Y | Y | Y | Y | Y | Y | Y | |


PRINCIPAL
 Chalapathi Institute of Pharmaceutical Sciences
 (Autonomous)
 Chalapathi Nagar, LAM, GUNTUR-34

M.PHARMACY - PHARMACOLOGY
COURSE OUTCOME AND PROGRAM SPECIFIC OUTCOME ATTAINMENT
BATCH: 2021-2023 ACADEMIC YEAR : 2022-2023

| Course title & Code | Program Specific Outcomes | | | | | Average program specific outcomes (max. 3.00) |
|--|---------------------------|-------------|-------------|-------------|-------------|--|
| | 1 | 2 | 3 | 4 | 5 | |
| Semester – I | | | | | | |
| MPA101T- Modern Pharmaceutical Analytical Techniques | 1.63 | 1.33 | 1.39 | | 1.69 | 1.51 |
| Advanced Pharmacology-I (MPL 102 T) | 1.79 | 2.01 | 1.07 | 1.22 | 1.43 | 1.50 |
| Pharmacological and Toxicological Screening Methods-I (MPL 103 T) | 1.80 | 1.93 | 1.73 | 1.93 | 1.93 | 1.86 |
| Cellular and Molecular Pharmacology (MPL 104 T) | 1.37 | 1.31 | 1.49 | | 1.37 | 1.38 |
| Pharmacology Practical-I (MPL 105 P) | 2.03 | 2.12 | 2.31 | 2.77 | 2.59 | 2.36 |
| Seminar/Assignment (MPL 106) | 2.33 | 2.33 | 2.20 | 3.00 | 2.00 | 2.37 |
| Semester – II | | | | | | |
| Advanced Pharmacology-II (MPL 201 T) | 1.62 | 1.38 | 0.90 | | 1.20 | 1.28 |
| Pharmacological and Toxicological Screening Methods-II (MPL 202 T) | 1.87 | 1.95 | 1.95 | 2.54 | 2.12 | 2.09 |
| Principles of Drug Discovery (MPL 203 T) | 1.85 | 1.77 | 2.09 | | 1.77 | 1.87 |
| Clinical Research and Pharmacovigilance (MPL 204 T) | 2.09 | 2.09 | 1.84 | 1.67 | 2.51 | 2.04 |
| Pharmacology Practical-II (MPL 205 P) | 2.22 | 2.70 | 2.12 | 2.70 | 2.41 | 2.43 |
| Seminar/Assignment (MPL 206) | 2.33 | 2.33 | 2.20 | 3.00 | 2.00 | 2.37 |
| Semester – III | | | | | | |
| MRM 301T: RESEARCH METHODOLOGY AND BIOSTATISTICS | 1.78 | 1.78 | 1.60 | 2.67 | 1.95 | 1.95 |
| MRM302- JOURNAL CLUB | 2.83 | 3.00 | 2.50 | 3.00 | 2.83 | 2.83 |
| Discussion / Presentation (MRM 303) | 3.00 | 3.00 | 2.60 | 3.00 | 2.50 | 2.82 |
| Research Work (MRM 304) | 3.00 | 3.00 | 2.60 | 3.00 | 2.50 | 2.82 |
| Semester – IV | | | | | | |
| Journal Club (MRM 401) | 2.83 | 3.00 | 2.50 | 3.00 | 2.83 | 2.83 |
| Research Work (MRM 402) | 3.00 | 3.00 | 2.60 | 3.00 | 2.50 | 2.82 |
| Discussion/Final Presentation (MRM 403) | 3.00 | 3.00 | 2.60 | 3.00 | 2.50 | 2.82 |
| Average (Direct PSO attainment) | 2.23 | 2.26 | 2.02 | 2.63 | 2.14 | 2.26 |
| Direct PSO attainment (80%) | 1.78 | 1.81 | 1.61 | 2.11 | 1.71 | 1.80 |
| Indirect PSO attainment | 2.95 | 2.64 | 2.67 | 2.91 | 2.67 | 2.77 |
| Indirect PSO attainment (20%) | 0.59 | 0.53 | 0.53 | 0.58 | 0.53 | 0.55 |
| Total PSO attainment | 2.38 | 2.37 | 2.22 | 2.57 | 2.2 | 2.35 |
| Target | 2.06 | 2.07 | 1.85 | 2.27 | 1.98 | 2.04 |
| | Y | Y | Y | Y | Y | Y |



 PRINCIPAL
 Chalapathi Institute of Pharmaceutical Sciences
 (Autonomous)
 Chalapathi Nagar, LAM, GUNTUR-3a

M.PHARMACY - (PHARMACEUTICAL) REGULATORY AFFAIRS

PROGRAM SPECIFIC OUTCOME ATTAINMENT

BATCH: 2021-2023 ACADEMIC YEAR : 2022-2023

| Course title & Code | Program Specific outcomes | | | | | | Average program Specific Outcomes (max. 3.00) |
|--|---------------------------|-------------|-------------|-------------|-------------|-------------|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | |
| Semester – I | | | | | | | |
| MRA 101T: GOOD REGULATORY PRACTICE | 2.41 | 1.14 | 1.14 | 1.72 | 0.86 | 1.44 | 1.45 |
| MRA 102T: DOCUMENTATION AND REGULATORY WRITING | 2.53 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.93 |
| MRA103T: CLINICAL RESEARCH REGULATIONS | 1.93 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.66 |
| MRA 104T: REGULATION AND LEGISLATION FOR DRUGS & COSMETICS, MEDICAL DEVICES, BIOLOGICALS | 2.35 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 2.03 |
| MRA105P: REGULATORY AFFAIRS PRACTICAL -I | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 |
| MRA106: SEMINAR / ASSIGNMENT | 2.25 | 2.33 | 2.00 | 2.00 | 2.00 | 2.00 | 2.10 |
| Semester – II | | | | | | | |
| MRA 201T: REGULATORY ASPECTS OF DRUGS & COSMETICS | 2.51 | 1.67 | 1.67 | 1.67 | 1.67 | 1.67 | 1.81 |
| MRA202T: REGULATORY ASPECTS OF HERBALS & BIOLOGICALS | 2.26 | 1.51 | 1.51 | 1.51 | 1.51 | 1.51 | 1.63 |
| MRA 203T: REGULATORY ASPECTS OF MEDICAL DEVICES | 2.45 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.77 |
| MRA204T: REGULATORY ASPECTS OF FOOD & NUTRACEUTICALS | 2.65 | 2.65 | 1.76 | 2.65 | 2.65 | 1.76 | 2.35 |
| MRA 205P: REGULATORY AFFAIRS PRACTICAL –II | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 2.99 | 2.16 |
| MRA206: SEMINAR / ASSIGNMENT | 2.25 | 2.33 | 2.00 | 2.00 | 2.00 | 2.00 | 2.10 |
| Semester – III | | | | | | | |
| MRM 301T: RESEARCH METHODOLOGY AND BIOSTATISTICS | 2.19 | 1.82 | 1.82 | 2.74 | 1.82 | 1.82 | 2.04 |
| MRM302- JOURNAL CLUB | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 |
| Discussion / Presentation (MRM 303) | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 |
| Research Work (MRM 304) | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 |
| Semester – IV | | | | | | | |
| MRM401: JOURNAL CLUB | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 |
| MRM 402: PROJECT WORK | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 |
| Discussion/Final Presentation (MRM 403) | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 |
| Average (Direct PSO attainment) | 2.51 | 2.23 | 2.15 | 2.27 | 2.18 | 2.22 | 2.26 |
| Direct PSO attainment (80%) | 2.01 | 1.78 | 1.72 | 1.82 | 1.74 | 1.77 | 1.81 |
| Indirect PSO attainment | 2.83 | 2.95 | 2.94 | 2.89 | 2.85 | 2.90 | 2.89 |
| Indirect PSO attainment (20%) | 0.57 | 0.59 | 0.59 | 0.58 | 0.57 | 0.58 | 0.58 |
| Total PSO attainment | 2.57 | 2.37 | 2.31 | 2.40 | 2.31 | 2.35 | 2.39 |
| Target | 2.16 | 1.89 | 1.82 | 1.94 | 1.85 | 1.88 | 1.92 |
| | y | y | y | y | y | y | y |


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AY : 2022 - 2023

CHALAPATHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(AUTONOMOUS)


I/VI PHARM.D (2022-2028 BATCH) Course Outcome Attainment

| Course Name | Course Code | External Attainment (80%) | Internal Attainment (20%) | Overall COs Attainment |
|---|--------------|---------------------------|---------------------------|------------------------|
| I Pharm.D | | | | |
| Human Anatomy and Physiology | 1.1 T | 2.19 | 0.53 | 2.72 |
| Pharmaceutics | 1.2 T | 1.85 | 0.56 | 2.41 |
| Medicinal Biochemistry | 1.3 T | 1.63 | 0.52 | 2.15 |
| Pharmaceutical organic Chemistry | 1.4 T | 1.92 | 0.45 | 2.37 |
| Pharmaceutical Inorganic Chemistry | 1.5 T | 1.67 | 0.54 | 2.21 |
| Remedial Mathematics | 1.6 T | 1.43 | 0.50 | 1.93 |
| Remedial Biology | 1.6 T | 0.90 | 0.60 | 1.50 |
| Human Anatomy and Physiology | 1.1 P | 2.13 | 0.56 | 2.69 |
| Pharmaceutics | 1.2 P | 2.35 | 0.53 | 2.88 |
| Medicinal Biochemistry | 1.3 P | 2.33 | 0.45 | 2.78 |
| Pharmaceutical organic Chemistry | 1.4 P | 2.23 | 0.54 | 2.77 |
| Pharmaceutical Inorganic Chemistry | 1.5 P | 2.38 | 0.56 | 2.94 |
| Remedial Biology | 1.6 P | 2.40 | 0.60 | 3.00 |


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CHALAPATHI INSTITUTE OF PHARMACEUTICAL SCIENCES**(AUTONOMOUS)****II/IV Pharm.D****COURSE OUTCOME ATTAINMENT (2021 - 2027)**

| Course Name | Course Code | Yearend Attainment (80%) | Internal Attainment (20%) | COs Attainment |
|---|--------------------|---|--|---------------------------|
| II Pharm.D | | | | |
| Pathophysiology | 2.1 T | 1.72 | 0.47 | 2.19 |
| Pharmaceutical Microbiology | 2.2 T | 2.35 | 0.39 | 2.74 |
| Pharmacognosy & Phytopharmaceuticals | 2.3 T | 1.93 | 0.40 | 2.33 |
| Pharmacology - I | 2.4 T | 2.37 | 0.42 | 2.79 |
| Community Pharmacy | 2.5 T | 2.00 | 0.39 | 2.39 |
| Pharmacotherapeutics - I | 2.6 T | 1.56 | 0.39 | 1.95 |
| Pharmaceutical Microbiology | 2.2 P | 2.20 | 0.47 | 2.67 |
| Pharmacognosy & Phytopharmaceuticals | 2.3 P | 1.16 | 0.38 | 1.54 |
| Pharmacotherapeutics - I | 2.6 P | 2.36 | 0.43 | 2.79 |


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AY - 2022 - 2023

| CHALAPATHI INSTITUTE OF PHARMACEUTICAL SCIENCES | | | | |
|---|--------------------|----------------------------------|----------------------------------|-------------------------------|
| (AUTONOMOUS) | | | | |
| III/VI Pharm.D (2020-2026) COURSE OUTCOME ATTAINMENT | | | | |
| Course Name | Course Code | External Attainment (80%) | Internal Attainment (20%) | Overall COs Attainment |
| Pharmacology - II | 3.1 T | 2.40 | 0.49 | 2.89 |
| Pharmaceutical Analysis | 3.2 T | 1.87 | 0.41 | 2.28 |
| Pharmacotherapeutics - II | 3.3 T | 1.78 | 0.56 | 2.34 |
| Pharmaceutical Jurisprudence | 3.4 T | 1.57 | 0.52 | 2.09 |
| Medicinal Chemistry | 3.5 T | 1.70 | 0.47 | 2.17 |
| Pharmaceutical Formulations | 3.6 T | 1.97 | 0.56 | 2.53 |
| Pharmacology - II | 3.1 P | 2.29 | 0.49 | 2.78 |
| Pharmaceutical Analysis | 3.2 P | 2.33 | 0.46 | 2.79 |
| Pharmacotherapeutics - II | 3.3 P | 2.40 | 0.45 | 2.85 |
| Medicinal Chemistry | 3.5 P | 2.13 | 0.45 | 2.58 |
| Pharmaceutical Formulations | 3.6 P | 2.40 | 0.47 | 2.87 |


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AY - 2022 - 2023

| CHALAPATHI INSTITUTE OF PHARMACEUTICAL SCIENCES | | | | |
|--|--------------------|----------------------------------|----------------------------------|-------------------------------|
| (AUTONOMOUS) | | | | |
| IV/VI Pharm.D (2019-2025) Course Outcome Attainment | | | | |
| Course Name | Course Code | External Attainment (80%) | Internal Attainment (20%) | Overall COs Attainment |
| Pharmacotherapeutics - III | 4.1 T | 1.75 | 0.50 | 2.25 |
| Hospital Pharmacy | 4.2 T | 2.38 | 0.54 | 2.92 |
| Clinical Pharmacy | 4.3 T | 1.74 | 0.54 | 2.28 |
| Biostatistics & Research Methodology | 4.4 T | 2.12 | 0.57 | 2.69 |
| Biopharmaceutics & Pharmacokinetics | 4.5 T | 1.85 | 0.54 | 2.39 |
| Clinical Toxicology | 4.6 T | 1.57 | 0.54 | 2.11 |
| Pharmacotherapeutics - III | 4.1 P | 2.40 | 0.46 | 2.86 |
| Hospital Pharmacy | 4.2 P | 2.40 | 0.49 | 2.89 |
| Clinical Pharmacy | 4.3 P | 2.38 | 0.52 | 2.90 |
| Biopharmaceutics & Pharmacokinetics | 4.5 P | 2.27 | 0.57 | 2.84 |


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AY - 2022 - 2023

| CHALAPATHI INSTITUTE OF PHARMACEUTICAL SCIENCES | | | | |
|---|--------------------|----------------------------------|----------------------------------|-------------------------------|
| (AUTONOMOUS) | | | | |
| V/VI Pharm.D (2018-2024) Course Outcome Attainment | | | | |
| Course Name | Course Code | External Attainment (80%) | Internal Attainment (20%) | Overall COs Attainment |
| Clinical Research | 5.1 T | 1.94 | 0.54 | 2.48 |
| Pharmacoepidemiology and Pharmacoeconomics | 5.2 T | 2.03 | 0.56 | 2.59 |
| Clerkship | 5.3 T | 2.36 | 0.57 | 2.93 |
| Pharmaceutical Biotechnology (Practical) | 5.4 P | 2.37 | 0.56 | 2.93 |
| Project Work | 5.5 P | 3.00 | — | 3.00 |


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Chalapathi Institute of Pharmaceutical Sciences [Autonomous]

Program : Pharm.D


CO - PO - Attainment of 2017-2023 batch

AY: 2022 - 2023

Course - PO matrix of courses for all years of study (2017 - 2023) Batch

| Name of the Course | Course Code | Program outcomes | | | | | | | | | | | Average |
|--------------------------------------|-------------|------------------|------|------|------|------|------|------|------|------|------|------|---------|
| | | Outcomes | | | | | | | | | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | |
| I Pharm.D | | | | | | | | | | | | | |
| Human Anatomy and Physiology | 1.1 T | 1.53 | 1.22 | 0.79 | 0.92 | 0.79 | | | | 1.41 | 1.41 | 1.83 | 1.24 |
| Pharmaceutics | 1.2 T | 1.81 | | 0.90 | | | | | | | | | 1.36 |
| Medicinal Chemistry | 1.3 T | 2.10 | 2.43 | 2.02 | 1.62 | | 2.10 | | 2.43 | 1.86 | 1.62 | 1.86 | 2.01 |
| Pharmaceutical organic Chemistry | 1.4 T | 0.65 | | 1.11 | | 0.75 | | | 0.75 | | 1.01 | 0.91 | 0.86 |
| Pharmaceutical Inorganic Chemistry | 1.5 T | 1.00 | | 1.76 | 0.00 | 1.15 | 0.00 | 0.00 | 1.15 | 0.00 | 1.53 | 1.38 | 0.80 |
| Remedial Mathematics | 1.6 T | 2.14 | | | | 1.21 | 2.14 | 1.78 | 0.71 | 0.71 | | 1.43 | 1.45 |
| Remedial Biology | 1.6 T | 0.95 | | 0.71 | 0.59 | | | | | 0.59 | 1.07 | 1.78 | 0.95 |
| Human Anatomy and Physiology | 1.1 P | 2.62 | 1.92 | 1.75 | 1.14 | 1.75 | | | | 1.48 | 1.57 | 2.62 | 1.86 |
| Pharmaceutics | 1.2 P | 0.90 | | 1.80 | | | | | | | | 1.80 | 1.50 |
| Medicinal Chemistry | 1.3 P | 2.61 | 2.00 | 2.61 | 1.74 | | 2.27 | | 1.74 | 1.74 | | 2.18 | 2.11 |
| Pharmaceutical organic Chemistry | 1.4 P | 1.76 | | 1.59 | | 1.59 | 1.76 | | 1.06 | 1.76 | | 1.59 | 1.59 |
| Pharmaceutical Inorganic Chemistry | 1.5 P | 1.78 | | 1.60 | | 1.60 | 1.78 | | 1.07 | 1.78 | | 1.60 | 1.60 |
| Remedial Biology | 1.6 P | 1.22 | 0.81 | 0.81 | | | | | | 0.81 | 1.62 | 2.43 | 1.28 |
| II Pharm.D | | | | | | | | | | | | | |
| Pathophysiology | 2.1 T | 2.11 | 2.11 | | 1.06 | 1.62 | | 1.41 | 1.41 | 1.41 | 1.41 | 2.11 | 1.63 |
| Pharmaceutical Microbiology | 2.2 T | 2.07 | 2.07 | 2.31 | | 2.48 | | | | | | 1.65 | 2.12 |
| Pharmacognosy & Phytopharmaceuticals | 2.3 T | 0.97 | | 0.83 | | 0.63 | 0.97 | 0.97 | | | 0.97 | 0.97 | 0.90 |
| Pharmacology - I | 2.4 T | 2.17 | 2.17 | 1.71 | 1.55 | 2.10 | | | | 2.33 | 2.33 | 2.33 | 2.09 |
| Community Pharmacy | 2.5 T | 2.71 | 2.26 | 2.35 | 2.71 | 2.26 | 2.71 | 1.81 | 2.26 | 2.35 | 2.71 | 2.08 | 2.38 |
| Pharmacotherapeutics - I | 2.6 T | 2.71 | 2.71 | 2.71 | 1.81 | 1.81 | 2.71 | 1.81 | 2.26 | 2.71 | | 2.71 | 2.40 |
| Pharmaceutical Microbiology | 2.2 P | 2.56 | 1.70 | 2.56 | | 2.56 | | | | | | 1.70 | 2.22 |
| Pharmacognosy & Phytopharmaceuticals | 2.3 P | 1.33 | | 0.88 | 0.88 | 0.88 | | 1.77 | 1.77 | 1.77 | 1.77 | 1.33 | 1.38 |
| Pharmacotherapeutics - I | 2.6 P | 2.77 | 2.31 | 2.77 | 1.85 | 2.12 | 2.77 | 2.77 | 2.77 | 2.12 | 1.85 | 2.77 | 2.44 |
| III Pharm.D | | | | | | | | | | | | | |
| Pharmacology - II | 3.1 T | 2.35 | 2.35 | 2.11 | | 1.57 | | | | 2.35 | 2.35 | 2.35 | 2.20 |
| Pharmaceutical Analysis | 3.2 T | 1.22 | 1.10 | 1.38 | 1.22 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 0.99 | 1.14 |
| Pharmacotherapeutics - II | 3.3 T | 2.27 | 1.82 | 2.46 | 2.73 | 1.82 | 1.82 | 1.82 | 2.27 | 1.82 | 1.82 | 1.82 | 2.04 |
| Pharmaceutical Jurisprudence | 3.4 T | 1.19 | 0.93 | 0.78 | | | 1.30 | 0.78 | | | | 1.30 | 1.05 |
| Medicinal Chemistry | 3.5 T | 1.11 | 1.11 | 1.11 | | | | 1.67 | | | | 1.67 | 1.34 |
| Pharmaceutical Formulations | 3.6 T | 1.75 | | 1.75 | | 2.63 | 1.75 | | | | | 1.75 | 1.93 |
| Pharmacology - II | 3.1 P | 1.82 | 0.91 | 0.91 | | | | 0.91 | 0.91 | 0.91 | 0.91 | 1.37 | 1.08 |
| Pharmaceutical Analysis | 3.2 P | 2.15 | 2.15 | 2.15 | 2.33 | 2.33 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 2.05 | 2.04 |
| Pharmacotherapeutics - II | 3.3 P | 2.80 | 2.80 | 2.80 | 1.87 | 2.80 | 1.87 | 1.87 | 2.33 | 1.87 | 1.87 | 2.80 | 2.33 |
| Medicinal Chemistry | 3.5 P | 2.21 | | 2.21 | | | | 1.84 | | | | 1.84 | 2.02 |
| Pharmaceutical Formulations | 3.6 P | 2.80 | | 1.87 | | 2.80 | 1.87 | | 1.87 | | | 1.87 | 2.18 |

| | IV Pharm.D | | | | | | | | | | | | |
|--|------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Pharmacotherapeutics - III | 4.1 T | 2.51 | 2.89 | 2.89 | 2.41 | 1.93 | 2.51 | 1.93 | 2.51 | 2.51 | | 1.93 | 2.40 |
| Hospital Pharmacy | 4.2 T | 2.94 | 0.98 | | 1.96 | 2.94 | 2.64 | 2.45 | 2.94 | 1.96 | 2.45 | 2.94 | 2.42 |
| Clinical Pharmacy | 4.3 T | 2.79 | 1.86 | 2.79 | | 1.86 | 2.79 | 1.86 | 2.79 | 2.33 | 2.79 | 2.79 | 2.47 |
| Biostatistics & Research Methodology | 4.4 T | 1.18 | | | 0.79 | 0.79 | 1.18 | 0.79 | 0.79 | 0.79 | 1.18 | 0.99 | 0.94 |
| Biopharmaceutics & Pharmacokinetics | 4.5 T | 2.60 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | | 1.73 | | 2.60 | 1.93 |
| Clinical Toxicology | 4.6 T | 2.20 | 1.47 | 0.73 | 1.47 | 1.47 | 2.20 | 2.20 | | 1.47 | | 1.47 | 1.63 |
| Pharmacotherapeutics - III | 4.1 P | 2.39 | 2.30 | 2.39 | | 1.84 | 2.30 | 1.84 | 2.76 | 2.11 | | 2.30 | 2.25 |
| Hospital Pharmacy | 4.2 P | 1.93 | 1.93 | | | 2.22 | 1.93 | 2.90 | 1.45 | 1.93 | 2.90 | 2.90 | 2.23 |
| Clinical Pharmacy | 4.3 P | 2.90 | 2.90 | 2.42 | 2.90 | | 1.93 | | 2.90 | 2.22 | 2.90 | | 2.63 |
| Biopharmaceutics & Pharmacokinetics | 4.5 P | 2.85 | | 1.90 | | 2.85 | 1.90 | | | | | 1.90 | 2.28 |
| | V Pharm.D | | | | | | | | | | | | |
| Clinical Research | 5.1 T | 1.43 | 1.43 | | | 1.08 | | 1.94 | | 1.79 | 1.43 | 2.15 | 1.61 |
| Pharmacoepidemiology and Pharmacoeconomics | 5.2 T | 2.83 | 1.88 | | 1.88 | 2.83 | 2.83 | 1.88 | 1.88 | | 1.88 | 2.45 | 2.26 |
| Clerkship | 5.3 T | 2.44 | | 2.44 | | 2.03 | | 2.44 | 1.62 | 1.87 | 1.62 | 1.22 | 1.96 |
| Pharmaceutical Biotechnology (Practical) | 5.4 P | 2.79 | | | | 1.86 | 1.86 | 1.86 | 2.14 | | 1.39 | 1.86 | 1.96 |
| Project Work | 5.5 P | 1.91 | | | 2.86 | 1.91 | 2.86 | 1.91 | 1.91 | | 1.91 | 2.86 | 2.27 |
| | VI Pharm.D | | | | | | | | | | | | |
| Internship | 6.1 | 2.30 | | | 1.00 | 2.30 | 2.00 | 3.00 | 2.50 | | 2.00 | 2.50 | 2.20 |
| Average | | 2.04 | 1.88 | 1.81 | 1.64 | 1.84 | 1.98 | 1.76 | 1.86 | 1.68 | 1.77 | 1.95 | 1.84 |
| Average (80%) | | 1.63 | 1.50 | 1.44 | 1.31 | 1.47 | 1.59 | 1.41 | 1.49 | 1.34 | 1.42 | 1.56 | 1.47 |
| Indirect PO Attainment | | 2.86 | 2.95 | 2.92 | 2.87 | 2.93 | 2.84 | 2.85 | 2.95 | 2.93 | 2.95 | 2.89 | 2.90 |
| Indirect PO Attainment (20%) | | 0.57 | 0.59 | 0.58 | 0.57 | 0.59 | 0.57 | 0.57 | 0.59 | 0.59 | 0.59 | 0.58 | 0.58 |
| Total PO Attainment | | 2.21 | 2.09 | 2.03 | 1.89 | 2.06 | 2.15 | 1.98 | 2.08 | 1.93 | 2.01 | 2.14 | 2.05 |
| Set Target Attainment | | 1.97 | 1.80 | 1.74 | 1.62 | 1.74 | 1.93 | 1.77 | 1.71 | 1.67 | 1.76 | 1.91 | 1.78 |
| Attained | | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y |


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CHALAPATHI INSTITUTE OF PHARMACEUTICAL SCIENCES (AUTONOMOUS)

PROGRAM : PHARM.D


PROGRAM SPECIFIC OUTCOME ATTAINMENT

BATCH: 2017-2023 AY: 2022-2023

| Code | Course | 1 | 2 | 3 | 4 | 5 | 6 | Average program specific outcomes |
|-------------------|--------------------------------------|-----|------|------|-----|------|------|-----------------------------------|
| I Pharm.D | | | | | | | | |
| PD 1.1 T | Human Anatomy and Physiology | 1.2 | 0.61 | 1.41 | 1.2 | - | 1.22 | 1.14 |
| PD 1.2 T | Pharmaceutics | 2.7 | 1.54 | 1.81 | 1.8 | - | 0.9 | 1.75 |
| PD 1.3 T | Medicinal Chemistry | 1.6 | - | 1.13 | 1.3 | - | 0.81 | 1.21 |
| PD 1.4 T | Pharmaceutical organic Chemistry | 0.8 | 1.01 | 1.01 | 0.5 | - | 0.5 | 0.75 |
| PD 1.5 T | Pharmaceutical Inorganic Chemistry | 1.5 | 1.53 | 1.53 | 1.2 | - | 0.77 | 1.3 |
| PD 1.6 RMT | Remedial Mathematics | 1.2 | 1.43 | 1.21 | 1.1 | - | 0.71 | 1.13 |
| PD 1.6 RBT | Remedial Biology | 1.2 | - | - | - | 0.59 | 0.89 | 0.89 |
| PD 1.1 P | Human Anatomy and Physiology | 2.6 | 1.48 | 1.75 | 1.8 | - | 0.87 | 1.69 |
| PD 1.2 P | Pharmaceutics | 1.8 | - | 1.8 | 2.1 | - | 0.9 | 1.64 |
| PD 1.3 P | Medicinal Chemistry | 1.3 | 1.74 | 1.74 | 0.9 | - | 0.87 | 1.31 |
| PD 1.4 P | Pharmaceutical organic Chemistry | 1.8 | 1.32 | 1.76 | 1.3 | - | 0.88 | 1.41 |
| PD 1.5 P | Pharmaceutical Inorganic Chemistry | 1.8 | 1.78 | 1.78 | 1.8 | - | 1.78 | 1.78 |
| PD 1.6 RBP | Remedial Biology | 1.4 | 1.38 | 1.22 | 1.6 | - | 0.81 | 1.28 |
| II Pharm.D | | | | | | | | |
| PD 2.1 T | Pathophysiology | 1.2 | 1.41 | 1.06 | 1.4 | - | 0.7 | 1.15 |
| PD 2.2 T | Pharmaceutical Microbiology | 1.2 | 0.83 | 1.49 | 1.2 | 0.83 | 0.83 | 1.07 |
| PD 2.3 T | Pharmacognosy & Phytopharmaceuticals | 0.5 | 0.49 | 0.49 | 0.5 | - | 0.49 | 0.49 |
| PD 2.4 T | Pharmacology - I | - | 1.16 | 1.4 | 1.6 | 1.55 | 0.78 | 1.29 |
| PD 2.5 T | Community Pharmacy | 0.9 | 1.81 | 1.81 | 1.2 | - | 1.36 | 1.41 |
| PD 2.6 T | Pharmacotherapeutics - I | 0.9 | - | 1.81 | 1.8 | - | 0.9 | 1.36 |
| PD 2.2 P | Pharmaceutical Microbiology | 0.9 | 0.85 | 0.85 | 0.9 | - | 0.85 | 0.85 |

| | | | | | | | | |
|--------------------|--|-----|------|------|-----|------|------|-------------|
| PD 2.3 P | Pharmacognosy and Phytopharmaceuticals | 0.9 | 1.15 | 1.77 | 1.8 | - | - | 1.39 |
| PD 2.6 P | Pharmacotherapeutics - I | - | 2.77 | - | 2 | - | 1.66 | 2.15 |
| III Pharm.D | | | | | | | | |
| PD 3.1 T | Pharmacology - II | - | 0.78 | 1.02 | 1.2 | - | 1.57 | 1.13 |
| PD 3.2 T | Pharmaceutical Analysis | 0.6 | 0.83 | - | 1.1 | 0.55 | 1.1 | 0.83 |
| PD 3.3 T | Pharmacotherapeutics - II | 0.9 | 2.27 | 1.82 | 1.8 | - | 0.91 | 1.55 |
| PD 3.4 T | Pharmaceutical Jurisprudence | 0.5 | 0.52 | - | 1 | 1.04 | 0.78 | 0.78 |
| PD 3.5 T | Medicinal Chemistry | 0.8 | 0.56 | 0.72 | 0.6 | - | 1.67 | 0.87 |
| PD 3.6 T | Pharmaceutical Formulations | 0.9 | 1.49 | 0.88 | - | 1.75 | 1.31 | 1.26 |
| PD 3.1 P | Pharmacology – II | 0.9 | 1.82 | 1.82 | - | 1.82 | 1.55 | 1.59 |
| PD 3.2 P | Pharmaceutical Analysis | 0.9 | 0.93 | - | 0.9 | 0.93 | 1.21 | 0.99 |
| PD 3.3 P | Pharmacotherapeutics - II | 0.9 | - | 2.15 | 1.2 | - | 1.4 | 1.42 |
| PD 3.5 P | Medicinal Chemistry | 1.2 | 1.38 | - | 1.8 | 1.38 | 2.3 | 1.62 |
| PD 3.6 P | Pharmaceutical Formulations | 0.9 | 1.87 | - | - | - | 1.21 | 1.34 |
| IV Pharm.D | | | | | | | | |
| PD 4.1 T | Pharmacotherapeutics - III | 1.9 | - | 2.12 | 1.9 | - | 1.45 | 1.86 |
| PD 4.2 T | Hospital Pharmacy | 2.2 | 2.25 | 0.98 | 1 | - | - | 1.59 |
| PD 4.3 T | Clinical Pharmacy | 0.9 | 1.86 | 1.86 | 1.7 | 0.93 | 1.86 | 1.52 |
| PD 4.4 T | Biostatistics and Research Methodology | 0.8 | 0.79 | 0.79 | - | 0.39 | 0.59 | 0.67 |
| PD 4.5 T | Biopharmaceutics & Pharmacokinetics | 0.9 | 0.87 | 1.3 | 1.3 | 1.3 | - | 1.13 |
| PD 4.6 T | Clinical Toxicology | 0.7 | 0.73 | 1.47 | 1.5 | 1.47 | 1.47 | 1.22 |
| PD 4.1 P | Pharmacotherapeutics - III | 1.8 | 0.92 | 2.11 | 2.1 | 0.92 | 1.38 | 1.55 |
| PD 4.2 P | Hospital Pharmacy | 2.2 | 1.93 | 2.9 | 1.9 | - | 0.97 | 1.99 |
| PD 4.3 P | Clinical Pharmacy | 1.9 | 1.93 | 1.93 | 1.9 | 0.97 | 0.97 | 1.61 |
| PD 4.5 P | Biopharmaceutics and Pharmacokinetics | 1 | 0.95 | 0.95 | 1 | - | 0.95 | 0.95 |
| V Pharm.D | | | | | | | | |
| PD 5.1 T | Clinical Research | - | - | - | - | 2.01 | 1.08 | 1.54 |

| | | | | | | | | |
|--|---|------------|--------------|--------------|------------|--------------|--------------|-------------|
| PD 5.2 T | Pharmacoepidemiology and Pharmacoeconomics | 0.9 | 1.88 | 1.88 | - | 1.88 | 1.88 | 1.7 |
| PD 5.3 T | Clinical Pharmacokinetics and Therapeutic drug monitoring | 0.8 | 0.81 | 1.22 | 1.6 | 1.62 | 1.62 | 1.29 |
| PD 5.4 P | Clerkship | 0.9 | - | 2.79 | 2.3 | 0.93 | 1.86 | 1.77 |
| PD 5.5 P | Project Work | - | - | 1.43 | 1.9 | 1.43 | 2.2 | 1.74 |
| VI Pharm.D | | | | | | | | |
| Internship | Internship | 3 | 1.5 | 3 | 2 | 2 | 3 | 2.42 |
| Average (Direct PSO attainment) | | 1.3 | 1.33 | 1.56 | 1.4 | 1.25 | 1.21 | 1.58 |
| Direct PSO attainment (80%) | | 1 | 1.06 | 1.25 | 1.2 | 1 | 0.97 | 1.26 |
| Indirect PSO attainment | | 3 | 2.92 | 2.87 | 2.9 | 2.83 | 2.84 | 2.88 |
| Indirect PSO attainment (20%) | | 0.6 | 0.584 | 0.574 | 0.6 | 0.566 | 0.568 | 0.58 |
| Total PSO attainment | | 1.6 | 1.65 | 1.82 | 1.7 | 1.57 | 1.54 | 1.65 |
| Set Target Attainment | | 1.3 | 1.32 | 1.46 | 1.4 | 1.25 | 1.23 | 1.32 |
| Attainment (Y/N) | | Y | Y | Y | Y | Y | Y | |


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