

Program Structure of M.Sc. Clinical Research
Dept. of Biomedical Sciences

| SEMESTER I | | | | | | |
|---------------------|--------------------|---|----------|----------|----------|----------------|
| S.No. | Course Type | Course Name | L | T | P | Credits |
| 1. | Theory | Clinical Research Overview | 4 | 0 | 0 | 4 |
| 2. | Theory | Pharmacology-I | 3 | 0 | 0 | 3 |
| 3. | Theory | Research methodology and Biostatistics | 4 | 0 | 0 | 4 |
| 4. | Integrated | Epidemiological Studies | 3 | 0 | 2 | 5 |
| 5. | Theory | ICH GCP and ICMR Guidelines | 3 | 0 | 0 | 3 |
| 6. | Theory | Ethics and Ethical Principles in Clinical trial | 3 | 0 | 0 | 3 |
| | | TOTAL | 20 | 0 | 2 | 22 |
| SEMESTER II | | | | | | |
| S. No. | Course Type | Course Name | L | T | P | Credits |
| 1. | Theory | Regulatory Affairs in Clinical Research | 4 | 0 | 0 | 4 |
| 2. | Theory | Pharmacology-II | 3 | 0 | 0 | 3 |
| 3. | Theory | Pharmacovigilance | 3 | 0 | 0 | 3 |
| 4. | Integrated | Drug Discovery and Development | 4 | 0 | 1 | 5 |
| 5. | Theory | Global Regulation | 4 | 0 | 0 | 4 |
| 6. | Theory | Clinical Trial Designing | 4 | 0 | 0 | 4 |
| | | TOTAL | 22 | 0 | 1 | 23 |
| SEMESTER III | | | | | | |
| S.No. | Course Type | Course Name | L | T | P | Credits |
| 1. | Theory | Clinical Trial and Data Management | 4 | 0 | 0 | 4 |
| 2. | Integrated | Management of Clinical Research project and Outsourcing | 4 | 0 | 0 | 4 |
| 3. | Theory | Operational aspects of Clinical Research | 4 | 0 | 2 | 6 |
| 4. | Theory | Clinical Trial Amended Rule | 4 | 0 | 0 | 4 |
| 5. | Theory | Electives | 4 | 0 | 0 | 4 |
| 6. | Theory | Hospital and Healthcare Management | 3 | 0 | 0 | 3 |
| | | Total | 23 | 0 | 2 | 25 |

| SEMESTER IV | | | | | | |
|--------------------|--------------------|-----------------------------------|----------|----------|----------|----------------|
| S. No. | Course Type | Course Name | L | T | P | Credits |
| 1. | Project | Clinical Project and Dissertation | 0 | 0 | 10 | 10 |
| | | Total | 0 | 0 | 10 | 10 |

List of Electives

| Sr. No | Course Type | Course Name | L | T | P | C |
|---------------|--------------------|----------------------------|----------|----------|----------|----------|
| 1 | Theory | Bioethics and Biosafety | 4 | 0 | 0 | 4 |
| 2 | Theory | Medical Writing | 4 | 0 | 0 | 4 |
| 3 | Theory | Genomics and Proteomics | 4 | 0 | 0 | 4 |
| 4 | Theory | Biotechnology Applications | 4 | 0 | 0 | 4 |