

### COURSE FOR M.Phil. & Ph.D. BIOCHEMISTRY DEGREE

| Existing Courses |                                                                                   |        | Proposed Courses |                                                                        |        |
|------------------|-----------------------------------------------------------------------------------|--------|------------------|------------------------------------------------------------------------|--------|
| BIOCHEM-700      | Concepts of Biochemistry<br>(Compulsory Minor) for M.Phil/M.Sc (Hons). New course | 3(3-0) | BIOCHEM-700      | CONCEPTS OF BIOCHEMISTRY<br>(Compulsory Minor) for M.Phil/M.Sc (Hons). | 3(3-0) |
| BIOCHEM-701      | Advanced Plant Biochemistry                                                       | 3(3-0) | BIOCHEM-701      | ADVANCED PLANT BIOCHEMISTRY                                            | 3(3-0) |
| BIOCHEM-702      | Biochemical Regulators                                                            | 2(2-0) | BIOCHEM-702      | BIOCHEMICAL REGULATORS                                                 | 2(2-0) |
| BIOCHEM-703      | Recombinant DNA Technology and Gene Manipulation                                  | 3(2-1) | BIOCHEM-703      | RECOMBINANT DNA TECHNOLOGY AND GENE<br>MANIPULATION                    | 3(2-1) |
| BIOCHEM-704      | Blood and Immunochemistry                                                         | 3(3-0) | BIOCHEM-704      | BLOOD AND IMMUNOCHEMISTRY                                              | 3(3-0) |
| BIOCHEM-705      | Advanced Biochemical Techniques                                                   | 3(1-2) | BIOCHEM-705      | ADVANCED BIOCHEMICAL TECHNIQUES                                        | 3(1-2) |
| BIOCHEM-706      | Bioenergetics                                                                     | 2(2-0) | BIOCHEM-706      | BIOENERGETICS                                                          | 2(2-0) |
| BIOCHEM-707      | Medical Biochemistry                                                              | 2(2-0) | BIOCHEM-707      | MEDICAL BIOCHEMISTRY                                                   | 2(2-0) |
| BIOCHEM-708      | Gene Regulation and Expression                                                    | 2(2-0) | BIOCHEM-708      | GENE REGULATION AND EXPRESSION                                         | 2(2-0) |
| BIOCHEM-709      | Biochemistry of Drugs and their Resistance                                        | 2(2-0) | BIOCHEM-709      | BIOCHEMISTRY OF DRUGS AND THEIR<br>RESISTANCE                          | 3(2-1) |
| BIOCHEM-710      | Biochemistry of Control Systems                                                   | 2(2-0) | BIOCHEM-710      | BIOCHEMISTRY OF CONTROL SYSTEMS                                        | 2(2-0) |
| BIOCHEM-711      | Structural Bioinformatics                                                         | 2(2-0) | Deleted          |                                                                        |        |
| BIOCHEM-712      | Advanced Fermentation Biotechnology                                               | 3(1-2) | BIOCHEM-711      | ADVANCED FERMENTATION BIOTECHNOLOGY                                    | 3(1-2) |
| BIOCHEM-713      | Cellular Biochemistry                                                             | 2(2-0) | BIOCHEM-712      | CELLULAR BIOCHEMISTRY                                                  | 3(2-1) |
| BIOCHEM-719      | Special Problem                                                                   | 1(1-0) | BIOCHEM-719      | SPECIAL PROBLEM                                                        | 1(1-0) |
| BIOCHEM-720      | Seminar                                                                           | 1(1-0) | BIOCHEM-720      | SEMINAR                                                                | 1(1-0) |