

Swami Rama Himalayan University  
School of Biosciences

Teaching & Evaluation Scheme  
M.Sc. Biotechnology program, Semester-II

|                 |          |                                              | Teaching              |   |    | Total Credits | Assessment |       |     |              |       | Duration / Mode | Course Attributes |                  |                   |                 |                              |             |                     | Sustainable Development Goals |
|-----------------|----------|----------------------------------------------|-----------------------|---|----|---------------|------------|-------|-----|--------------|-------|-----------------|-------------------|------------------|-------------------|-----------------|------------------------------|-------------|---------------------|-------------------------------|
|                 |          |                                              | Hours/Periods/Credits |   |    |               | Sessional  |       |     | End Semester |       |                 |                   |                  |                   |                 |                              |             |                     |                               |
| Course Category | Code     | Course name                                  | L                     | T | P  | C             | SE I       | SE II | DDA | ESE          | Total |                 | Course Attributes |                  |                   |                 |                              |             |                     |                               |
|                 |          |                                              |                       |   |    |               |            |       |     |              |       |                 | Employability     | Entrepreneurship | Skill Development | Gender Equality | Environment & Sustainability | Human Value | Professional Ethics |                               |
| Theory          |          |                                              |                       |   |    |               |            |       |     |              |       |                 |                   |                  |                   |                 |                              |             |                     |                               |
| GCC             | MBTT 201 | Immunology                                   | 3                     | 0 | 0  | 3             | 25         | 25    | 50  | 100          | 200   | 3h/Theory       | ✓                 | ✓                | ✓                 | ✓               | ✓                            | ✓           | 3,4,9               |                               |
| GCC             | MBCT 202 | Enzymology and Protein Engineering           | 3                     | 0 | 0  | 3             | 25         | 25    | 50  | 100          | 200   | 3h/Theory       | ✓                 | ✓                | ✓                 |                 |                              | ✓           | ✓                   | 3,4,9,12                      |
| DCC             | MBTT 203 | Medical Biotechnology                        | 3                     | 0 | 0  | 3             | 25         | 25    | 50  | 100          | 200   | 3h/Theory       | ✓                 | ✓                | ✓                 |                 | ✓                            |             | ✓                   | 3,4,9,10                      |
| DCC             | MBTT 202 | Recombinant DNA Technology                   | 3                     | 0 | 0  | 3             | 25         | 25    | 50  | 100          | 200   | 3h/Theory       | ✓                 | ✓                | ✓                 | ✓               | ✓                            | ✓           | ✓                   | 3,4,9,13,15                   |
| Practical       |          |                                              |                       |   |    |               |            |       |     |              |       |                 |                   |                  |                   |                 |                              |             |                     |                               |
| GCC             | MBTP 201 | Immunology Practical                         | 0                     | 0 | 6  | 3             | 25         | 25    | 50  | 100          | 200   | 6h/Practical    | ✓                 | ✓                | ✓                 |                 | ✓                            | ✓           |                     | 3,4,9                         |
| GCC             | MBCP 202 | Enzymology and Protein Engineering Practical | 0                     | 0 | 6  | 3             | 25         | 25    | 50  | 100          | 200   | 6h/Practical    |                   | ✓                | ✓                 | ✓               | ✓                            |             | ✓                   | 3,4,9,12                      |
| DCC             | MBTP 203 | Medical Biotechnology Practical              | 0                     | 0 | 6  | 3             | 25         | 25    | 50  | 100          | 200   | 6h/Practical    | ✓                 | ✓                | ✓                 |                 | ✓                            | ✓           | ✓                   | 3,4,9,10                      |
| DCC             | MBTP 202 | Recombinant DNA Technology Practical         | 0                     | 0 | 6  | 3             | 25         | 25    | 50  | 100          | 200   | 6h/Practical    | ✓                 | ✓                | ✓                 | ✓               | ✓                            | ✓           | ✓                   | 3,4,9,12                      |
| Total Credits   |          |                                              | 12                    | 0 | 24 | 24            |            |       |     |              | 1600  |                 |                   |                  |                   |                 |                              |             |                     |                               |

CC: Core Credits; DCCC: Discipline Centric Core Credits; DCEC: Discipline Centric Elective Credits; Open Elective/MOOCs;

L – Lecture, T – Tutorial, P – Practical, C – Credit