

**SHRI MATA VAISHNO DEVI UNIVERSITY**  
**School of Biotechnology (2023-24\_ODD Sem)**

**TIME TABLE FOR B. Sc. (BIOTECHNOLOGY) Sem I for Odd Sem 2023-24 (As per NEP)**

| Day/Time         | 9-10                                   | 10-11              | 11-12           | 12-1                           | 1.00 – 2<br>Lunch | 2-3                                | 3-4   | 4-5  |
|------------------|--|--------------------|-----------------|--------------------------------|-------------------|------------------------------------|---|--|
| <b>MONDAY</b>    | AEC<br>(Professional<br>Communication) | CB<br><i>PS/RK</i> | IB<br><i>IB</i> | Skill<br>Enhancement<br>Course |                   | VAC-II<br>(Understanding<br>India) |   | Multidisciplinary (For<br>Chemistry)<br>& BOB (SP)<br>for<br>Wednesday |
| <b>TUESDAY</b>   | VAC-I<br>(Health<br>and<br>Wellness)   | CB<br><i>PS/RK</i> | IB<br><i>IB</i> | Skill<br>Enhancement<br>Course |                   |                                    |   |  |
| <b>WEDNESDAY</b> | AEC<br>(Professional<br>Communication) | CB<br><i>PS/RK</i> | IB<br><i>VS</i> | Multidisciplinary<br>course    |                   | VAC-II<br>(Understanding<br>India) |   | Multidisciplinary (For<br>Chemistry)                                   |
| <b>THURSDAY</b>  | VAC-I<br>(Health<br>and<br>Wellness)   |                    | IB<br><i>VS</i> | Multidisciplinary<br>course    |                   |                                    | <b>Cell Biology<br/>Lab(PS/RK)</b><br>(Mol LAB, COS)<br><i>Staff-Dr. Vishnu</i> |  |
| <b>FRIDAY</b>    | AEC<br>(Professional<br>Communication) |                    |                 | Multidisciplinary<br>course    |                   |                                    |   | Multidisciplinary<br>(For<br>Chemistry)                                |

| COURSE<br>CODE | COURSE TITLE         | L-T-P | Credit | FACULTY                                 | Class Room<br>Assigned |
|----------------|----------------------|-------|--------|---|------------------------|
| BTL MD101      | Major (Cell Biology) | 3-0-0 | 3      | Dr. Preeti Sharma & Dr. Rakesh<br>Kumar | COS-204                |

|                                    |  |       |           |   |                              |
|------------------------------------|--|-------|-----------|---|------------------------------|
| BTLPMD101                          | Major (Cell Biology Lab)                                   | 0-0-2 | 1         | Dr. Preeti Sharma & Dr. Rakesh Kumar  |                              |
| BTL MI101                          | Minor (Introduction to Biotechnology)                      | 4-0-0 | 4         | Dr.InduBhushan/Dr. Vinod Singh  | COS-204                      |
| <b>Multidisciplinary courses</b>   |  |       |           |   |                              |
| BTL MU101                          | Basics of Biology-BTE1116 ( <b>For other school only</b> ) | 3-0-0 | 3         | Dr. Sharda P  | COS-204                      |
| BTL MU103                          | Chemical Bonding & Transition Metals-                      | 3-0-0 | 3         | Dr. Anil Kumar  | COS102                       |
|                                    | Principles of Economics                                    | 3-0-0 | 3         | Ms Samaira ( <b>Dr. Pabitra Jenna</b> )   |                              |
| <b>Skill Enhancement Courses</b>   |  |       |           |   |                              |
| CSLSE101                           | Introduction to Computer Applications                      | 2-0-0 | 2         | Mr Deo Prakash  |                              |
| <b>Ability Enhancement Courses</b> |  |       |           |   |                              |
| <b>LNL 1031</b><br>(get revised)   | Professional Communication                                 | 3-0-0 | 3         |   | .....                        |
| <b>Value added courses-I</b>       |  |       |           |   |                              |
| BTL VA101                          | Health and Wellness  | 2-0-0 | 2         | Dr.Rakesh (Management)/<br>Dr.Vinod<br>( <b>Biotech+Physics+Math</b> )/<br>Dr.Parvez (Economics + Lang &<br>Lit + Philosophy) | .....<br>(Respective School) |
|                                    | Understanding India (1)                                    | 2-0-0 | 2         | Dr.Madhumangal Chaturvedi   | .....                        |
| <b>Value added courses-II</b>      |  |       |           |   |                              |
|                                    | Digital Technology (26)                                    | 2-0-0 | 2         | Ms. Tabassum<br>Khurshid(20DEC001)<br>( <b>HOD/Dr. Anil Bhardwaj</b> )  |                              |
|                                    | Sport & Fitness (New Course)                               | 2-0-0 | 2         | Dr. Parvez Singh Slathia  |                              |
| <b>Total=</b>                      |  |       | <b>20</b> |   |                              |

**TIME TABLE FOR B. Sc. (BIOTECHNOLOGY) Sem III for Odd Sem 2023-24 (As per NEP)**

| Day/Time         | 9-10             | 10-11                 | 11-12           | 12-1                           | 1.00 – 2<br>Lunch | 2-3                              | 3-4   | 4-5 |
|------------------|------------------|-----------------------|-----------------|--------------------------------|-------------------|----------------------------------|---|-----|
| <b>MONDAY</b>    | AEC              | Genetics<br><i>RC</i> | MP<br><i>RK</i> | Skill<br>Enhancement<br>Course |                   | SSTL<br><i>UP</i>                | <b>Mammalian<br/>Physiology Lab<br/>(RK/VS)</b><br>(Micro LAB, Block A)<br><i>Staff - Dr. Vishnu</i>                                |     |
| <b>TUESDAY</b>   | CFB<br><i>AK</i> |                       | MP<br><i>RK</i> | Skill<br>Enhancement<br>Course |                   | SSTL<br><i>UP</i>                |   |     |
| <b>WEDNESDAY</b> |                  | Genetics<br><i>RC</i> |                 | Multidisciplinary<br>course    |                   | Mechanical<br>workshop<br>Theory | Mechanical workshop<br>Lab<br>Dr. Deepak Bayotra  |     |
| <b>THURSDAY</b>  | CFB<br><i>AK</i> | Genetics<br><i>RC</i> |                 | Multidisciplinary<br>course    |                   | SSTL<br><i>UP</i>                | <b>Chemistry for<br/>Biologists Lab (AK)</b><br>(Chemistry LAB,<br>COS)<br><i>Staff- Mr. V P Singh &amp;<br/>Mr. Abhay Gandotra</i> |     |
| <b>FRIDAY</b>    | CFB<br><i>RS</i> | Genetics<br><i>RC</i> |                 | Multidisciplinary<br>course    |                   |                                  | MP<br><i>VS</i>   |     |

| COURSE CODE                      | COURSE TITLE  | L-T-P | Credit | FACULTY                     | Class Room Assigned |
|----------------------------------|---|-------|--------|-----------------------------|---------------------|
| BTL2410                          | Genetics (Major DSC3)   | 3-1-0 | 4      | Dr. Ratna Chandra           | COS102              |
| BTL2117                          | Mammalian Physiology (Major DSC4)                                 | 3-0-2 | 4      | Dr. Rakesh/ Dr. Vinod Singh | COS102              |
| BTL2706                          | Chemistry for Biologists (Minor DSE3)                             | 3-0-2 | 4      | Dr. Anil Kumar/Dr. Raju S   | COS102              |
| <b>Multidisciplinary courses</b> |   |       |        |                             |                     |
| BTE2533                          | <b>For other school (floated by SoBT)-<br/>Food and Nutrition</b> | 3-0-0 | 3      | Dr. Rakesh Kumar            | COS102              |

|   |  |       |           |                     |  |
|---|--|-------|-----------|---------------------|--|
| PCL2144                                     | Philosophy of Science (SoPC) (12)                | 3-0-0 | 3         | Dr Sumanta S Sharma |  |
| MEE4143                                     | Quality Management( SoM E) (30)                  | 3-0-0 | 3         | Dr. Rajeev Attri    |  |
| <b>Skill Enhancement Courses (... =2)</b>   |  |       |           |                     |  |
| PCL2049                                     | The Art of Argumentation (SoPC) (9)              | 2-0-0 | 2         | Dr Sumanta S Sharma |  |
| MEP 1111                                    | Mechanical Workshop(SoME) (30)                   | 1-0-2 | 2         | Dr.Deepak Bayotra   |  |
| CSE1013                                     | Introduction to Computer Application (SoCSE) (3) | 1-0-2 | 2         | Mr. DeoPrakash      |  |
| <b>Ability Enhancement Course (3-0-0=3)</b> |  |       |           |                     |  |
| LNL2211                                     | Soft Skills through Literature II (SSTL)         | 2-1-0 | 3         | Dr. Uday Pathania   |  |
| <b>Total=</b>                               |  |       | <b>20</b> |                     |  |

### TIME TABLE FOR B. Sc. (BIOTECHNOLOGY) Sem V for Odd Sem 2023-24

| Day/Time         | 9-10 | 10-11             | 11-12                 | 12-1                  | 1.00 –<br>1.30<br>Lunch | 1.30-2.3<br>0  | 2.30-3.3<br>0   | 3.30-4.<br>30     | 4.30-5.3<br>0 |
|------------------|------|-------------------|-----------------------|-----------------------|-------------------------|--|-----------------|-------------------|---------------|
| <b>MONDAY</b>    |      | <i>RDT<br/>SR</i> |                       | EB<br><i>IB</i>       |                         | Bioprocess Technology Lab (AKY/RS)<br>Biotech Lab, COS<br>Mr. Pankaj                             |                 |                   |               |
| <b>TUESDAY</b>   |      | <i>RDT<br/>SR</i> | Bioinfo<br><i>PSS</i> | BPT<br><i>AKY</i>     |                         | Recombinant DNA Technology Lab<br>(SR/RK)<br>(Mol Bio LAB, BlockA)<br><i>Staff- Dr. Zahid</i>    |                 |                   |               |
| <b>WEDNESDAY</b> |      | EB<br><i>IB</i>   | BPT<br><i>AKY</i>     | Bioinfo<br><i>PSS</i> |                         | Environmental Biotechnology Lab<br>(IB/RS)<br>(Micro LAB, Block A)<br><i>Staff- Ms. Minakshi</i> |                 |                   |               |
| <b>THURSDAY</b>  |      |                   | Bioinfo<br><i>PSS</i> | <i>RDT<br/>SR</i>     |                         |  | EB<br><i>RS</i> | BPT<br><i>AKY</i> |               |

|               |  |                       |                   |                         |  |  |
|---------------|--|-----------------------|-------------------|-------------------------|--|--|
| <b>FRIDAY</b> |  | Bioinfo<br><i>PSS</i> | BPT<br><i>AKY</i> | <i>RDT</i><br><i>SR</i> |  | Bioinfo Lab (PSS/PS)<br>BIF Block A<br><i>Staff- Mr.Pankaj</i> |
|---------------|--|-----------------------|-------------------|-------------------------|--|--|

### COURSES FOR B. Sc. (BIOTECHNOLOGY) Sem V for Odd Sem 2023-24

| Course Code | Course Title                    | L-T-P          | Credits   | Faculty                                      | Class Assigned                 |
|-------------|---------------------------------|----------------|-----------|--|--------------------------------|
| BTL3523     | Bioprocess Technology           | 4-0-0          | 4         | Er.Arvind Kr Yadav                           | A-106b<br>(Thurs-A-106a)       |
| BTP3523     | Bioprocess Technology Lab       | 0-0-4          | 2         | Er.Arvind Kr Yadav &<br>Dr. Raju Shankarayan | Biotech Lab, COS               |
| BTL3524     | Recombinant DNA Technology      | 4-0-0          | 4         | Dr.Shafaq Rasool                             | A-106b                         |
| BTP3524     | Recombinant DNA Technology Lab  | 0-0-4          | 2         | Dr.Shafaq Rasool &<br>Dr. Rakesh             | Mol Lab, COS                   |
| BTE3803     | Environmental Biotechnology     | 3-0-0          | 3         | Dr.Indu Bhushan/<br>Dr.Raju Shankarayan      | (Thurs-A-106a)<br>(Mon-COS204) |
| BTP3803     | Environmental Biotechnology Lab | <b>0-0-4</b>   | 2         | Dr. InduBhushan &<br>Dr.Raju Shankarayan     | Micro LAB, Block A             |
| BTE3609     | Bioinformatics                  | 3-0-0          | 3         | Dr. Parvez S Slathia                         | A-106b                         |
| BTP3609     | Bioinformatics Lab              | <b>0-0-4</b>   | 2         | Dr. Parvez S Slathia/Dr<br>Preeti            | BIF Lab, Block A               |
|             | <b>Total Credits</b>            | <b>14-0-16</b> | <b>22</b> |  |                                |

### TIME TABLE FOR M. Sc. (BIOTECHNOLOGY) Sem I for Odd Sem 2023-24

| Day/Time      | 9-10                           | 10-11                | 11-12            | 12-1             | 1.00 –<br>2.30<br>Lunch | 2-3 | 3-4             | 4-5  |
|---------------|--------------------------------|----------------------|------------------|------------------|-------------------------|-----|-----------------|------|
| <b>MONDAY</b> | Entrepreneurship<br>Management | Biostat<br><i>RS</i> | AAB<br><i>VS</i> | CMB<br><i>RC</i> |                         |     | FM<br><i>SR</i> | BCIT |

|                  |                                |                 |                  |  |  |   |                  |  |
|------------------|--------------------------------|-----------------|------------------|--|--|---|------------------|--|
| <b>TUESDAY</b>   | Biostat<br><i>RS</i>           | FB<br><i>IB</i> | AAB<br><i>VS</i> | Entrepreneurship<br>Management /<br>BCIT |  |   | CMB<br><i>RC</i> |  |
| <b>WEDNESDAY</b> |                                | FM<br><i>SR</i> | FB<br><i>IB</i>  |  |  | <b>FM LAB (SR/RC)</b><br>(Mol LAB, Block A)<br><i>Staff- Dr. Zahid</i>    |                  |  |
| <b>THURSDAY</b>  | Entrepreneurship<br>Management | FM<br><i>SR</i> | FB<br><i>IB</i>  |  |  | <b>FB LAB (IB/VS)</b><br>(Micro LAB, Block A)<br><i>Staff- Dr. Puneet</i> |                  |  |
| <b>FRIDAY</b>    | FB<br><i>IB</i>                | FM<br><i>SR</i> | AAB<br><i>VS</i> | BCIT                                     |  |   |                  |  |

| <b>COURSE CODE</b> | <b>COURSE TITLE</b>                            | <b>L-T-P</b>  | <b>Credit</b> | <b>FACULTY</b>                          | <b>Class Assigned</b>           |
|--------------------|--|---------------|---------------|---|---------------------------------|
| BTL6021            | Cell & Molecular Biology-I                     | 3-1-0         | 4             | Dr. Ratna Chandra                       | A-106a                          |
| BTL6043            | Fundamentals of Biochemistry                   | 3-1-0         | 4             | Dr. InduBhusan                          | A-106a                          |
| BTP6046            | Fundamentals of Biochemistry Lab               | 0-0-3         | 1.5           | Dr. InduBhusan +<br>Dr. Vinod Singh     | Micro LAB,<br>Block A           |
| BTL6072            | Fundamentals of Microbiology                   | 3-1-0         | 4             | Dr. Shafaq Rasool                       | A-106a                          |
| BTP6075            | Fundamentals of Microbiology Lab               | 0-0-3         | 1.5           | Dr. Shafaq Rasool<br>+Dr. Ratna Chandra | Mol LAB,<br>Block A             |
| BTL6161            | Biostatistics                                  | 2-0-0         | 2             | Dr. Raju Shankarayan                    | A-106a                          |
| BTL6173            | Analytical Approaches in Biotechnology         | 3-0-0         | 3             | Dr. Vinod Singh                         | A-106a                          |
| CSL6011            | Basics of Computers and IT<br>(Open Elective)  | 3-0-0         | 3             | Ms. Payal Maken<br>& Mr. Manoj Kumar    | A-106a,<br>A-BIS Lab<br>(Tues), |
| BUE6011            | Entrepreneurship Management<br>(Open Elective) | 3-0-0         | 3             | Dr. Suparn K sharma                     | A-106a                          |
|                    | <b>Total</b>                                   | <b>17-3-6</b> | <b>23</b>     |   |                                 |

**TIME TABLE FOR M. Sc. (BIOTECHNOLOGY) Sem III for Odd Sem 2023-24**

| Day/Time         | 9 - 10      | 10-11  | 11-12       | 12 - 1.00 | 1.00 –<br>2.00<br>Lunch | 2.00 - 3.00 | 3.00 - 4.00  | 4.00 - 5.00 |
|------------------|-------------|--|-------------|-----------|-------------------------|-------------|--------------|-------------|
| <b>MONDAY</b>    | DDP<br>RS   | CBB (PSS/AKY)<br>(BIF LAB, Block A)<br>Staff-Mrs. Minakshi   |             |           |                         | AEC<br>PS   | CBB(PSS)     | DUHV<br>MMC |
| <b>TUESDAY</b>   | PIPRB<br>SP | Colloquium (RC/SP)<br>BIF Lab, Block A   |             |           |                         | AEC<br>PS   | BET<br>AKY   | DUHV<br>MMC |
| <b>WEDNESDAY</b> | BET<br>AKY  | Applied Enzyme Catalysis Lab (PS)<br>Mol Lab COS; Staff- Mrs. Minakshi                               |             |           |                         | CBB(PSS)    | AEC<br>PS    | DUHV<br>MMC |
| <b>THURSDAY</b>  | DDP<br>RS   | Bioprocess Engineering & Technology<br>Lab<br>(AKY/PSS)<br>(Micro LAB, Block A)<br>Staff - Dr. Punit |             |           |                         | BET<br>AKY  | CBB<br>(PSS) | PIPRB<br>SP |
| <b>FRIDAY</b>    | BET<br>AKY  | DDP<br>RS  | PIPRB<br>SP |           |                         |             |              |             |

### COURSES FOR M. Sc. (BIOTECHNOLOGY) Sem III for Odd Sem 2023-24

| COURSE CODE | COURSE TITLE                           | L-T-P | Credit | FACULTY                        | Class Assigned |
|-------------|--|-------|--------|--------------------------------|----------------|
| BTL6272     | Applied Enzyme Catalysis               | 3-0-0 | 3      | Dr. Preeti Sharma              | A-106b         |
| BTP6275     | Applied Enzyme Catalysis Lab           | 0-0-3 | 1.5    | Dr. Preeti Sharma/Dr.Sharda    | Mol Lab COS    |
| BTL7222     | Computational Biology & Bioinformatics | 3-0-0 | 3      | Dr. Parvez S Slathia/Er Arvind | A-106b         |

|         |   |               |           |                                       |                             |
|---------|---|---------------|-----------|---------------------------------------|-----------------------------|
| BTP7225 | Computational Biology & Bioinformatics Lab  | 0-0-3         | 1.5       | Dr. Parvez S Slathia/Dr.Ekta          | BIF LAB, Block A            |
| BTL7234 | Bioprocess Engineering & Technology   | 3-1-0         | 4         | Mr. A K Yadav                         | A-106b                      |
| BTP7237 | Bioprocess Engineering & Technology Lab   | 0-0-3         | 1.5       | Er. A K Yadav (+Mr. Parvez S Slathia) | Micro LAB, Block A          |
| BTC7211 | Colloquium  | ---           | 1.5       | Dr.Ratna C/Dr. Sharada P              | Seminar Room                |
| PCL7067 | Discourse on Universal Human Values: Understanding Harmony and Ethical Conduct (UHV-II) | 3-0-0         | 3         | Dr.Satish Tiwari                      | LT-3                        |
| BTE7402 | Drug delivery and Pharmacokinetics (SE1)  |               |           | Dr. Raju Shankarayan                  | A-106b (COS-204 for Friday) |
| BTE7413 | Principles of Intellectual Property Rights & Biosafety (SE2)                            |               |           | Dr. Sharada P                         | A-106b (COS-204 for Friday) |
|         |   |               |           |                                       |                             |
|         | <b>Total</b>  | <b>18-4-9</b> | <b>25</b> |                                       |                             |

**Head SoBT**

**Time Table Committee**