

SBS UNIVERSITY, BALAWALA, DEHRADUN
SCHEME OF COURSE
M.Sc. MEDICAL LAB. TECHNOLOGY

| Title of the course | Course code | L-T-P/Week | No. of Credits | University Exam | Internal assessment | Total |
|--|-------------|------------|----------------|-----------------|---------------------|-------|
| SEMESTER-I | | | | | | |
| Clinical Haematology & Blood bank Technology | MLBT-511 | 3-0-0 | 3 | 50 | 50 | 100 |
| Biophysics and Human Physiology | MLBT-512 | 3-0-0 | 3 | 50 | 50 | 100 |
| Clinical Microbiology | MLBT-513 | 3-0-0 | 3 | 50 | 50 | 100 |
| Clinical Biochemistry | MLBT-514 | 3-0-0 | 3 | 50 | 50 | 100 |
| Cytology & Cytogenetics | MLBT-515 | 3-0-0 | 3 | 50 | 50 | 100 |
| Practical-I (MLBT-511 &512) | MLBT-516 | 0-0-4 | 2 | 50 | 50 | 100 |
| Practical-II (MLBT-113) | MLBT-517 | 0-0-4 | 2 | 50 | 50 | 100 |
| Practical-III (MLBT-514 &515) | MLBT-518 | 0-0-4 | 2 | 50 | 50 | 100 |
| Total credits | | | 21 | | | |

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|---|-------------|------------|----------------|-----------------|---------------------|-------|
| SEMESTER-II | | | | | | |
| Advance Diagnostic Technology | MLBT-521 | 3-0-0 | 3 | 50 | 50 | 100 |
| Immunology, Vaccinology and Molecular biology | MLBT-522 | 3-0-0 | 3 | 50 | 50 | 100 |
| Diagnostic Microbiology & Immunopathology | MLBT-523 | 3-0-0 | 3 | 50 | 50 | 100 |

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|---------------------------------|----------|-------|-----------|----|----|-----|
| Histopathology & Morbid Anatomy | MLBT-524 | 3-0-0 | 3 | 50 | 50 | 100 |
| Practical-I (MLBT-521) | MLBT-525 | 0-0-4 | 2 | 50 | 50 | 100 |
| Practical-II (MLBT-522 & 523) | MLBT-526 | 0-0-4 | 2 | 50 | 50 | 100 |
| Practical-III (MLBT-524) | MLBT-527 | 0-0-4 | 2 | 50 | 50 | 100 |
| Total credits | | | 18 | | | |

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|--|-------------|------------|----------------|-----------------|---------------------|-------|
| SEMESTER-III | | | | | | |
| Human genetics & Human genome | MLBT-631 | 3-0-0 | 3 | 50 | 50 | 100 |
| Clinical Non-neoplastic Haematology | MLBT-632 | 3-0-0 | 3 | 50 | 50 | 100 |
| Clinical Neoplastic Haematology | MLBT-633 | 3-0-0 | 3 | 50 | 50 | 100 |
| Immunoematology & Transplantation Technology | MLBT-634 | 3-0-0 | 3 | 50 | 50 | 100 |
| Practical-I (MLBT-631) | MLBT-635 | 0-0-4 | 2 | 50 | 50 | 100 |
| Practical-II (MLBT-632) | MLBT-636 | 0-0-4 | 2 | 50 | 50 | 100 |
| Practical-III (MLBT-633&634) | MLBT-637 | 0-0-4 | 2 | 50 | 50 | 100 |
| Total credits | | | 18 | | | |

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|-------------------------------|-------------|------------|----------------|-----------------|---------------------|-------|
| SEMESTER-IV | | | | | | |
| Dissertation | MLBT-641 | -- | 8 | 100 | 100 | 200 |
| Total credits | | | 8 | | | |
| Grand Total of Credits | | | 65 | | | |