

West Bengal State University



Draft UG syllabus for

Life Science as MDC (3 credits : 45 classes)

Codes

LIFHMD101T if taken in Sem I for Honours or Honours with Research

LIFHMD201T if taken in Sem II for Honours or Honours with Research

LIFHMD301T if taken in Sem III for Honours or Honours with Research

LIFGMD401T if taken in Sem IV for Graduation in Multidisciplinary Program

LIFGMD501T if taken in Sem V for Graduation in Multidisciplinary Program

LIFGMD601T if taken in Sem VI Graduation in Multidisciplinary Program

MDC (Zoology)

1. Vector borne infectious diseases
2. Climatic change and impact on biodiversity
3. Degradation of Wetland ecosystem and biodiversity
4. Major Indian ecosystems
5. Environmental movements in India

MDC (Microbiology)

1. Bioremediation.
2. Role of Microbes in One Health Concept.
3. Genetic Engineering in human welfare.
4. Industrial use of microbes.
5. Sustainable development in agriculture and environment.
6. Microbes in food safety and hygiene.

MDC (Physiology)

1. Community health education

2. Management of non-communicable diseases
3. Physiological & nutritional therapeutics

MDC (Molecular Biology & Biotechnology)

1. Basic concept of gene and heredity (Historical illustrations)
2. History of Biotechnology
3. Milestone applications of Biotechnology

MDC (Botany)

1. One health concept and emerging plant diseases
2. Plants–importance and propagation in ethnobotanical aspect
3. Biotechnological applications in Agriculture