

West Bengal State University



Draft UG syllabus for

Life Science as MDC (3 credits : 45 classes)

MDC (Zoology) Classes: 12

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) Classes: 13

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) Classes: 10

1. Community health education
2. Management of non-communicable diseases
3. Physiological & nutritional therapeutics as content of MDC from Physiology

MDC (Molecular Biology & Biotechnology) Classes: 10

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