

Programme: M.Sc. (Microbiology)

Course Code: MIO 123

Title of the Course: MEDICAL MICROBIOLOGY AND EPIDEMIOLOGY [P]

Number of Credits: 1

Effective from Academic Year: 2018-19

Prerequisites	Ability to handle microorganisms in the laboratory.	
Objective:	Hands-on training in handling, characterization and identification of pathogens. Analysis of epidemiological data.	
Content:		(24)
1.	Demonstration of malaria parasite in blood film.	
2.	Determination of sensitivity of bacteria to antibiotics (Disc method).	
3.	Enrichment, isolation and identification of Enteric pathogen.	
4.	Analysis of disease incidence using CDC/epidemiological data.	
Pedagogy:	Experiments in the laboratory, web resources	
References/ Readings	As given under Theory Course MIO 112-T	
Learning Outcomes	1. Apply the general principles of microbiology tools and techniques in specific need for clinical cases. 2. Apply the principles of statistics in processing of epidemiological data.	