

Programme: M.Sc. (Microbiology)

Course Code: MIO 113

Title of the Course: EXTREMOPHILIC MICROORGANISMS [P]

Number of Credits: 1

Effective from Academic Year: 2018-19

Prerequisites	The student should be familiar with handling of microorganisms in the laboratory.	
Objective:	This course teaches various skills involved in handling extremophilic microorganisms.	
Content:		(24)
1.	Isolation of halophiles, alkaliphiles, and anaerobes.	
2.	Tolerance of bacterial culture to varying salt concentrations.	
3.	Buffering capacity of alkaliphiles.	
Pedagogy:	Experiments in the laboratory	
References/ Readings	As given under Theory Course MIO 107-T	
Learning Outcomes	Develop expertise in isolation and culturing of microorganisms thriving in extreme environment, and exploring the extremophiles to discover particular novel and unique useful biocompounds.	