

**Programme: M.Sc. (Microbiology)**

**Course Code: MIO 107**

**Title of the Course: ENVIRONMENTAL MICROBIOLOGY AND  
BIOREMEDIATION [P]**

**Number of Credits: 1**

**Effective from Academic Year: 2018-19**

<b>Prerequisites</b>	It is assumed that the students have a basic knowledge of the environmental parameters for water analysis.	
<b>Objective:</b>	This course develops techniques in water analysis and biodegradation of aromatic pollutants.	
<b>Content:</b>		<b>(24)</b>
1	Analysis of water samples - Physico-chemical: pH, temperature, COD, BOD, and microbiological	
2	Studies on microbial adherence: BATH assay.	
3	Study of biodegradation of aromatic compounds using ortho / meta mode of ring cleavage	
<b>Pedagogy:</b>	Experiments in the laboratory	
<b>References/ Readings</b>	As given under Theory Course MIO 104-T	
<b>Learning Outcomes</b>	Learning techniques for water analysis and biodegradation of aromatic pollutants.	