

<i>Semester</i>	<i>Paper Code</i>	<i>Paper Name</i>	<i>Unit</i>	<i>Course Outcome</i>
UG Semester I	CC1 (TH)	INTRODUCTION TO MICROBIOLOGY AND MICROBIAL DIVERSITY	Unit 1	To have a basic overview of history and developments of Microbiology
			Unit 2	To understand the basic classification system and general characteristics of prokaryotic and eukaryotic microbes
			Unit 3	To have a basic overview of Microbiology as the research and job oriented subject
	CC1 (PR)			1. To have a basic overview of good laboratory practices of Microbiology. 2. To understand the basic working principle of different instruments used in Microbiology. 3. To study different eukaryotic microbial cell structures.
	CC2 (TH)	BACTERIOLOGY	Unit 1	To understand the cellular organization of prokaryotes
			Unit 2	To understand the different methods of culture techniques for the isolation and maintenance of microbes
			Unit 3	To understand the basic working principles of different types of microscope used in research and clinical purposes
			Unit 4	1. To have a basic overview regarding microbial growth and nutrition 2. To understand the different physical and chemical methods to control microbial growth
			Unit 5	To have a basic idea on bacterial reproduction
			Unit 6 & 7	To understand the basics of systematics and different groups of bacteria
CC2 (PR)			1. To prepare different types of culture media and culturing bacteria. 2. To isolate and preserve pure bacterial culture by different techniques. 3. To identify different microbes through various staining methods. 4. To count bacterial colonies by quantitative methods.	