

BS Microbiology

BS Microbiology				
Semester 1				
	Course Code	Course Title	Cr. Hrs.	Sections
	MBHU1013	English I	3(3-0)	2
	MBHU1033	Islamic Studies	3(3+0)	2
	MBCS1013	Computer Application	3(3+0)	2
	MB1603	Fundamentals of Microbiology-I	3(3+0)	2
	MB1603	Fundamentals of Microbiology-I - Lab	3(0+1)	2
Semester 2				
	Course Code	Course Title	Cr. Hrs.	Sections
	MBHU1043	English-II	3(3-0)	1
	MBMT1013	Biostatistics	3(3-0)	1
	MB1203	Biochemistry-I	2(2-0)	1
	MB1203	Biochemistry-I - Lab	1(0-1)	1
	MBHU1053	Sociology	3(3-0)	1
	MB1613	Fundamentals of Microbiology-II	2(2-0)	1
	MB1613	Fundamentals of Microbiology-II - Lab	2(0-2)	1
Semester 3				
	Course Code	Course Title	Cr. Hrs.	Sections
	MBMT2023	Mathematics	3(3-0)	2
	MB2213	Biochemistry-II	2(2-0)	2
MB2213	Biochemistry-II - Lab	1(0-1)	2	

Semester	MB2103	General Genetics	2(2-0)	2
	MB2103	General Genetics - Lab	1(0-1)	2
	MB2624	Introduction to Medical Microbiology	2(2-0)	2
	MB2624	Introduction to Medical Microbiology - Lab	2(0-2)	2
	MB2703	General Immunology	2(2-0)	2
	MB2703	General Immunology - Lab	1(0-1)	2
Semester 4				
	Course Code	Course Title	Cr. Hrs.	Sections
	Ecolo4013	Ecology & Ecosystem	2(2-0)	1
	Ecolo4013	Ecology & Ecosystem - Lab	1(0-1)	1
	BioDiv4013	Biodiversity of Plants & Fungi	2(2-0)	1
	BioDiv4013	Biodiversity of Plants & Fungi - Lab	1(0-1)	1
	Micro4013	Microbial Taxonomy	2(2-0)	1
	Micro4013	Microbial Taxonomy - Lab	1(0-1)	1
	Viro8013	General Virology	2(2-0)	1
	Viro8013	General Virology - Lab	1(0-1)	1
	CelBio3033	Cell Biology-I	2(2-0)	1
	CelBio3033	Cell Biology-I - Lab	1(0-1)	1
	Course Code	Course Title	Cr. Hrs.	Sections
	Micro5013	Mycology	2(2-0)	2
Micro5013	Mycology - Lab	1(0-1)	2	

Semester 5	ResMth8013	Research Methodology & Skill Enhancement	2(2-0)	2
	ResMth8013	Research Methodology & Skill Enhancement - Lab	1(0-1)	2
	CelBio5013	Cell Biology-II	2(2-0)	2
	CelBio5013	Cell Biology-II - Lab	1(0-1)	2
	Micro5023	Microbial Anatomy & Physiology	2(2-0)	2
	Micro5023	Microbial Anatomy & Physiology - Lab	1(0-1)	2
	Micro5033	Fresh Water Microbiology	2(2-0)	2
	Micro5033	Fresh Water Microbiology - Lab	1(0-1)	2
Semester 6				
	Course Code	Course Title	Cr. Hrs.	Sections
	BioSaf6013	Biosafety & Risk Management	3(3-0)	1
	Micro6014	Bacterial Genetics	2(2-0)	1
	Micro6014	Bacterial Genetics - Lab	1(0-1)	1
	Micro6024	Clinical Bacteriology	2(2-0)	1
	Micro6024	Clinical Bacteriology - Lab	1(0-1)	1
	Micro6023	Soil Microbiology	2(2-0)	1
	Micro6023	Soil Microbiology - Lab	1(0-1)	1
	Epidem6013	Epidemiology, Public Health & Bioethics - Lab	1(0-1)	1
	Epidem6013	Epidemiology, Public Health & Bioethics	2(2-0)	1
Course Code		Course Title	Cr. Hrs.	Sections
EnvBT1053		Environmental Biotechnology	2(2-0)	1

MONDAY	Semester 1	English I (MBHU1013), BSBT, Sec(AM1)	Fundamentals of Microbiology-I (MB1603), BSBT, Sec(AM1)	Fundamentals of Microbiology-I - Lab (MB1603), BSBT, Sec(AM1)				
		Pakistan Studies (MBHU1023), BSBT, Sec(BM1)	Computer Application (MBCS1013), BSBT, Sec(BM1)	Islamic Studies (MBHU1033), BSBT, Sec(BM1)				
	Semester 2	English-II (MBHU1043), BSBT, Sec(AM2)	Sociology (MBHU1053), BSBT, Sec(AM2)	Fundamentals of Microbiology-II (MB1613), BSBT, Sec(AM2)				
	Semester 3	Mathematics (MBMT2023), BSBT, Sec(AM3)	General Genetics (MB2103), BSBT, Sec(AM3)	Introduction to Medical Microbiology (MB2624), BSBT, Sec(AM3)				
		Biochemistry-II (MB2213), BSBT, Sec(BM3)	Biochemistry-II - Lab (MB2213), BSBT, Sec(BM3)		General Immunology (MB2703), BSBT, Sec(BM3)			
	Semester 4				Microbial Taxonomy - Lab (Micro4013), BSBT, Sec(AM4)	Microbial Taxonomy (Micro4013), BSBT, Sec(AM4)	Ecology & Ecosystem (Ecolo4013), BSBT, Sec(AM4)	
	Semester 5				Mycology (Micro5013), BSBT, Sec(AM5)	Cell Biology-II - Lab (CelBio5013), BSBT, Sec(AM5)	Cell Biology-II (CelBio5013), BSBT, Sec(AM5)	
				Research Methodology & Skill Enhancement - Lab (ResMth8013), BSBT, Sec(BM5)	Research Methodology & Skill Enhancement (ResMth8013), BSBT, Sec(BM5)	Cell Biology-II (CelBio5013), BSBT, Sec(BM5)		
	Semester 6				Clinical Bacteriology - Lab (Micro6024), BSBT, Sec(AM6)	Biosafety & Risk Management (BioSaf6013), BSBT, Sec(AM6)	Soil Microbiology (Micro6023), BSBT, Sec(AM6)	
Semester 7			Applied Microbial Technology Lab (Micro7013), BSBT, Sec(AM7)	Applied Microbial Technology (Micro7013), BSBT, Sec(AM7)	Environmental Biotechnology (EnvBT1053), BSBT, Sec(AM7)			
Semester 8			Industrial Biotechnology - Lab (IndsBT7013), BSBT, Sec(AM8)	Genetic Engineering (GenEn8014), BSBT, Sec(AM8)	Industrial Biotechnology (IndsBT7013), BSBT, Sec(AM8)			
TUESDAY	Semester #	08:00-09:20	09:30-10:50	11:00-12:20	12:30-13:50	14:00-15:20	15:30-16:50	17:00-18:20
	Semester 1	Islamic Studies (MBHU1033), BSBT, Sec(AM1)	Computer Application (MBCS1013), BSBT, Sec(AM1)	Pakistan Studies (MBHU1023), BSBT, Sec(AM1)				
		Fundamentals of Microbiology-I (MB1603), BSBT, Sec(BM1)	English I (MBHU1013), BSBT, Sec(BM1)					
	Semester 3	Biochemistry-II - Lab (MB2213), BSBT, Sec(AM3)	Biochemistry-II (MB2213), BSBT, Sec(AM3)	General Immunology (MB2703), BSBT, Sec(AM3)				
		General Genetics (MB2103), BSBT, Sec(BM3)	Mathematics (MBMT2023), BSBT, Sec(BM3)	Introduction to Medical Microbiology (MB2624), BSBT, Sec(BM3)				
Semester 4				Biodiversity of Plants & Fungi (BioDiv4013), BSBT, Sec(AM4)	Ecology & Ecosystem - Lab (Ecolo4013), BSBT, Sec(AM4)			
Semester 5				Cell Biology-II - Lab (CelBio5013), BSBT, Sec(AM5)	Research Methodology & Skill Enhancement (ResMth8013), BSBT, Sec(AM5)	Fresh Water Microbiology (Micro5033), BSBT, Sec(AM5)		

				Mycology - Lab (Micro5013), BSBT, Sec(BM5)	Mycology (Micro5013), BSBT, Sec(BM5)	Microbial Anatomy & Physiology (Micro5023), BSBT, Sec(BM5)	
Semester 6				Bacterial Genetics - Lab (Micro6014), BSBT, Sec(AM6)	Soil Microbiology (Micro6023), BSBT, Sec(AM6)	Bacterial Genetics (Micro6014), BSBT, Sec(AM6)	
Semester 7		Molecular Mechanism of Antimicrobial Agent (Micro7014), BSBT, Sec(AM7)		Molecular Mechanism of Antimicrobial Agent (Micro7014), BSBT, Sec(AM7)	Cell & Tissue Culture (CTissu7013), BSBT, Sec(AM7)		
Semester 8				Medical Virology (MedVir8014), BSBT, Sec(AM8)	Nano-Biotechnology (Biotec6023), BSBT, Sec(AM8)	Genetic Engineering - Lab (GenEn8014), BSBT, Sec(AM8)	
Semester #	08:00-09:20	09:30-10:50	11:00-12:20	12:30-13:50	14:00-15:20	15:30-16:50	17:00-18:20
Semester 1	English I (MBHU1013), BSBT, Sec(AM1)	Fundamentals of Microbiology-I (MB1603), BSBT, Sec(AM1)					
	Computer Application (MBCS1013), BSBT, Sec(BM1)	Pakistan Studies (MBHU1023), BSBT, Sec(BM1)	Islamic Studies (MBHU1033), BSBT, Sec(BM1)				
Semester 2	Biochemistry-I (MB1203), BSBT, Sec(AM2)	Fundamentals of Microbiology-II (MB1613), BSBT, Sec(AM2)	Biostatistics (MBMT1013), BSBT, Sec(AM2)				
Semester 3	Mathematics (MBMT2023), BSBT, Sec(AM3)	General Genetics (MB2103), BSBT, Sec(AM3)	General Genetics - Lab (MB2103), BSBT, Sec(AM3)				
	Biochemistry-II (MB2213), BSBT, Sec(BM3)	General Genetics - Lab (MB2103), BSBT, Sec(BM3)	General Immunology (MB2703), BSBT, Sec(BM3)				
Semester 4				Ecology & Ecosystem (Ecolo4013), BSBT, Sec(AM4)	Microbial Taxonomy (Micro4013), BSBT, Sec(AM4)	General Virology (Viro8013), BSBT, Sec(AM4)	
Semester 5				Mycology (Micro5013), BSBT, Sec(AM5)	Cell Biology-II (CelBio5013), BSBT, Sec(AM5)	Microbial Anatomy & Physiology (Micro5023), BSBT, Sec(AM5)	
				Research Methodology & Skill Enhancement (ResMth8013), BSBT, Sec(BM5)	Cell Biology-II - Lab (CelBio5013), BSBT, Sec(BM5)	Cell Biology-II (CelBio5013), BSBT, Sec(BM5)	
Semester 6				Clinical Bacteriology - Lab (Micro6024), BSBT, Sec(AM6)	Soil Microbiology - Lab (Micro6023), BSBT, Sec(AM6)	Epidemiology, Public Health & Bioethics (Epidem6013), BSBT, Sec(AM6)	
Semester 7				Environmental Biotechnology (EnvBT1053), BSBT, Sec(AM7)	Applied Microbial Technology (Micro7013), BSBT, Sec(AM7)	Environmental Biotechnology - Lab (EnvBT1053), BSBT, Sec(AM7)	
Semester 8				Genetic Engineering (GenEn8014), BSBT, Sec(AM8)	Industrial Biotechnology (IndsBT7013), BSBT, Sec(AM8)		
Semester #	08:00-09:20	09:30-10:50	11:00-12:20	12:30-13:50	14:00-15:20	15:30-16:50	17:00-18:20
Semester 1	Islamic Studies (MBHU1033), BSBT, Sec(AM1)	Computer Application (MBCS1013), BSBT, Sec(AM1)	Pakistan Studies (MBHU1023), BSBT, Sec(AM1)				

WEDNESDAY

THURSDAY	Semester 1	Fundamentals of Microbiology-I (MB1603), BSBT, Sec(BM1)	English I (MBHU1013), BSBT, Sec(BM1)	Fundamentals of Microbiology-I - Lab (MB1603), BSBT, Sec(BM1)				
	Semester 2	English-II (MBHU1043), BSBT, Sec(AM2)	Sociology (MBHU1053), BSBT, Sec(AM2)	Fundamentals of Microbiology-II - Lab (MB1613), BSBT, Sec(AM2)				
	Semester 3	Biochemistry-II (MB2213), BSBT, Sec(AM3)	Introduction to Medical Microbiology (MB2624), BSBT, Sec(AM3)	Introduction to Medical Microbiology - Lab (MB2624), BSBT, Sec(AM3)				
		Introduction to Medical Microbiology - Lab (MB2624), BSBT, Sec(BM3)	Mathematics (MBMT2023), BSBT, Sec(BM3)	Introduction to Medical Microbiology (MB2624), BSBT, Sec(BM3)				
	Semester 4				Biodiversity of Plants & Fungi (BioDiv4013), BSBT, Sec(AM4)	Biodiversity of Plants & Fungi - Lab (BioDiv4013), BSBT, Sec(AM4)		
	Semester 5				Research Methodology & Skill Enhancement - Lab (ResMth8013), BSBT, Sec(AM5)	Mycology - Lab (Micro5013), BSBT, Sec(AM5)	Research Methodology & Skill Enhancement (ResMth8013), BSBT, Sec(AM5)	
					Mycology (Micro5013), BSBT, Sec(BM5)	Fresh Water Microbiology - Lab (Micro5033), BSBT, Sec(BM5)	Fresh Water Microbiology (Micro5033), BSBT, Sec(BM5)	
	Semester 6				Biosafety & Risk Management (BioSaf6013), BSBT, Sec(AM6)	Clinical Bacteriology (Micro6024), BSBT, Sec(AM6)	Bacterial Genetics (Micro6014), BSBT, Sec(AM6)	
	Semester 7				Molecular Mechanism of Antimicrobial Agent (Micro7014), BSBT, Sec(AM7)	Molecular Mechanism of Antimicrobial Agent - Lab (Micro7014), BSBT, Sec(AM7)		
Semester 8				Medical Virology - Lab (MedVir8014), BSBT, Sec(AM8)	Medical Virology (MedVir8014), BSBT, Sec(AM8)			
FRIDAY	Semester #	08:00-09:20	09:30-10:50	11:00-12:20	12:30-13:50	14:00-15:20	15:30-16:50	17:00-18:20
	Semester 2	Biochemistry-I (MB1203), BSBT, Sec(AM2)	Biostatistics (MBMT1013), BSBT, Sec(AM2)	Biochemistry-I - Lab (MB1203), BSBT, Sec(AM2)	Juma Break			
	Semester 3	General Immunology - Lab (MB2703), BSBT, Sec(AM3)		General Immunology (MB2703), BSBT, Sec(AM3)	Juma Break			
		General Genetics (MB2103), BSBT, Sec(BM3)		General Immunology - Lab (MB2703), BSBT, Sec(BM3)	Juma Break			
	Semester 4	General Virology - Lab (Viro8013), BSBT, Sec(AM4)		General Virology (Viro8013), BSBT, Sec(AM4)	Juma Break			
	Semester 5			Microbial Anatomy & Physiology - Lab (Micro5023), BSBT, Sec(AM5)	Juma Break	Microbial Anatomy & Physiology (Micro5023), BSBT, Sec(AM5)	Fresh Water Microbiology (Micro5033), BSBT, Sec(AM5)	
				Fresh Water Microbiology (Micro5033), BSBT, Sec(BM5)	Juma Break	Microbial Anatomy & Physiology - Lab (Micro5023), BSBT, Sec(BM5)	Microbial Anatomy & Physiology (Micro5023), BSBT, Sec(BM5)	
Semester 6				Juma Break	Epidemiology, Public Health & Bioethics - Lab (Epidem6013), BSBT, Sec(AM6)	Epidemiology, Public Health & Bioethics (Epidem6013), BSBT, Sec(AM6)		

	Semester 7				Juma Break	Cell & Tissue Culture - Lab (CTissu7013), BSBT, Sec(AM7)	Cell & Tissue Culture (CTissu7013), BSBT, Sec(AM7)	
	Semester 8				Juma Break	Nano-Biotechnology - Lab (Biotec6023), BSBT, Sec(AM8)	Nano-Biotechnology (Biotec6023), BSBT, Sec(AM8)	