

ASSAM DON BOSCO UNIVERSITY
SCHOOL OF LIFE SCIENCES
Modified Course Structure / Syllabus in SPRING 2020

MASTER OF SCIENCE
IN BIOCHEMISTRY, BIOTECHNOLOGY AND MICROBIOLOGY
(2019-2021 BATCH)

SEMESTER I				
Type	Course Code	Course Name	Category	Credits
Theory	BCBM0008	Biomolecules	SC/DC	4
	BTPE0009	Thermodynamics and Enzymology	SC/DC	3
	MBCG0001	Cell Biology and Genetics	SC/DC	4
	BCAT0009	Analytical Techniques for Biological Sciences	SC/DC	3
Lab	BCBM6001	Biomolecules Lab	SC/DC	1
	BCAT6002	Analytical Techniques Lab	SC/DC	1
	BTPE6009	Thermodynamics and Enzymology Lab	SC/DC	1
	MBCG6001	Cell Biology and Genetics Lab	SC/DC	1
Total Credits				18

SEMESTER II				
Type	Course Code	Course Name	Category	Credits
Theory	BTCA0010	Computer Applications and Bioinformatics	SC/DC	3
	BCMB0003	Molecular Biology	SC/DC	4
	BTGE0005	Genetic Engineering	DC	3
	MBBM0007	Basic Microbiology	SC/DC	3
Lab	BTCA6010	Computer Applications and Bioinformatics Lab	SC/DC	2
	BCMB6003	Molecular Biology Lab	SC/DC	2
	MBBM6002	Basic Microbiology Lab	SC/DC	1
	BTGE6004	Genetic Engineering Lab	DC	1
Total Credits				19

SEMESTER III				
Type	Course Code	Course Name	Category	Credits
Theory	BCMB0010	Medical Biochemistry	DC	2
	BCPY0011	Physiology	DC	3
	BCBM0012	Bioenergetics and Metabolism		
	BTRM0003	Research Methodology and Biostatistics	SC/DC	4
	BTIM0006	Immunology	DC	3
Lab	BCIM6004	Medical Biochemistry Lab	DC	1
	BCPY6005	Physiology lab	DC	1
	BCBM6006	Bioenergetics and Metabolism Lab	DC	1
	BTIM6005	Immunology	DC	1
	BCDI6007	Dissertation Phase I	DC	2
Total Credits				21

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SEMESTER IV				
Type	Course Code	Course Name	Category	Credits
Theory	BCAC0007	Advances in Biochemistry	DC	4
Lab	BCDI6008	Dissertation Phase II	DC	16
Total Credits				20

SEMESTER III				
Type	Course Code	Course Name	Category	Credits
Theory	BTPB0011	Plant Biotechnology	DC	3
	BTAB0012	Animal Biotechnology	DC	2
	BTRM0003	Research Methodology and Biostatistics	SC/DC	4
	BTIM0006	Immunology	DC	3
	BTBE0007	Bioprocess Engineering	DC	3
Lab	BTAP6003	Animal and Plant Biotechnology Lab	DC	2
	BTIM6005	Immunology Lab	DC	1
	BTBE6006	Bioprocess Engineering Lab	DC	1
	BTDI6007	Dissertation Phase I	DC	2
Total Credits				20

SEMESTER IV				
Type	Course Code	Course Name	Category	Credits
Theory	BTAB0008	Advances in Biotechnology	DC	4
Lab	BTDI6008	Dissertation Phase II	DC	16
Total Credits				20

SEMESTER III				
Type	Course Code	Course Name	Category	Credits
Theory	MBVM0008	Virology and Mycology	DC	3
	MBEM0009	Environment Microbiology	DC	3
	BTRM0003	Research Methodology and Biostatistics	SC/DC	4
	BTIM0006	Immunology	DC	3
	MBMM0010	Medical Microbiology	DC	2
Lab	MBVM6008	Virology and Mycology Lab	DC	1
	MBEM6009	Environment Microbiology Lab	DC	1
	BTIM6005	Immunology Lab	DC	1
	MBMM6010	Medical Microbiology Lab	DC	1
	MBDI6006	Dissertation Phase I	DC	2
Total Credits				21

SEMESTER IV				
Page	Course Code	Course Name	Category	Credits
	MBAM0006	Advances in Microbiology	DC	4
Lab	MBDI6007	Dissertation Phase II	DC	16
Total Credits				20