



SCHOOL OF BIOLOGICAL SCIENCES
MADURAI KAMARAJ UNIVERSITY
M.Sc. Biomedical Science CHOICE BASED CREDIT SYSTEM (CBCS)
Course structure and scheme of examination (2020-2021)



SEMESTER I

S. No	Course Code	Course Title	Credits	Scheme of Examination		
				Int.	Ext.	Total
1	BMS19 11C	Molecular Biology & Genetics	4	25	75	100
2	BMS19 12C	Biochemistry	4	25	75	100
3	BMS19 13C	Medical Microbiology	4	25	75	100
4	BMS19 14C	Lab in Molecular Biology & rDNA Technology	3	40	60	100
5	BMS19 15C	Lab in Diagnostic Microbiology & Biochemistry	3	40	60	100
Elective Subjects						
6	BMS19 16E	Biostatistics	4	25	75	100
7	BMS19 17E	Biosafety & Bioethics	4	25	75	100
SSS Course - 1						
8	BMS19 B1S		2	25	75	100

SEMESTER II

S. No	Course Code	Course Title	Credits	Scheme of Examination		
				Int.	Ext.	Total
1	BMS19 21C	Immunology	4	25	75	100
2	BMS19 22C	Genomics, Proteomics & Metabolomics	4	25	75	100
3	BMS19 23C	Cell and Developmental Biology	4	25	75	100
4	BMS19 24C	Lab in & Immunology & Molecular Diagnostics	3	40	60	100
5	BMS19 25C	Lab in Genomics, Proteomics & Metabolomics	3	40	60	100
Elective Subjects						
7	BMS19 28E	Molecular Diagnostics, Therapeutics & Genomic Medicine	4	25	75	100
8	BMS19 29E	Medical Anthropology	4	25	75	100
SSS Course - 2						
9	BMS19 B2S		3	25	75	100

SEMESTER III

S. No	Course Code	Course Title	Credits	Scheme of Examination		
				Int.	Ext.	Total
1	BMS19 31C	Research Project in Biomedical Science	5	25	75	100
2	BMS19 32C	Stem Cell Biology, Nanomedicine and Therapeutics	4	25	75	100
Elective Subjects						

7	BMS19 33E	Clinical Trials & Translational Medicine	4	25	75	100
8	BMS19 34E	Biomedical Patents & Technologies	4	25	75	100
SSS Course - 3						
10	BMS19 B3S		2	25	75	100

SEMESTER IV

S.No	Course Code	Course Title	Credits	Scheme of Examination		
				Int.	Ext.	Total
1	BMS19 41C	Human Physiology & Anatomy	4	25	75	100
2	BMS19 42C	Molecular Pharmacology & Neurobiology	4	25	75	100
3	BMS19 43C	Human Genetic and Metabolic Disorders & Diagnostics	3	25	75	100
4	BMS19 44C	Lab in Computational Biology & Biomedical Informatics	3	40	60	100
5	BMS19 45C	Critical Documentation in Biomedical Science	5	25	75	100
SSS Course - 4						
2	BMS19 B4S		3	25	75	100

Core subject: 64 Credits

Elective: 16 credits

SSC: 10 credits

Total: 90 credits

