

Outcomes Based Education (OBE) Framework
Two Year Full Time Graduate Program
M.Sc. by Research in Life Sciences

FIRST YEAR: Semester: 1					
Subject Code	Subject Title	No. of hours per week			Credits
		Lecture	Tutorial	Practical	
MLS 501	Cell and Molecular Biology	3	-	-	3
MLS 503	Research Methodology	3	-	-	3
MLS 505	Biostatistics and Bioinformatics	3	-	-	3
MLS 507/ MLS 509/ MLS 511/ MLS 513	Human Genetics / Recombinant DNA Technology/ Biology/ Quality Assurance and Accreditation (any two)	3 3	-	-	3 3
MLS 515	Molecular Biology		-	6	3
MLS 517	Seminar/ Synopsis submission	-	2	-	2
	Total	15	2	6	20

FIRST YEAR: Semester: 2					
Subject Code	Subject Title	No. of hours per week			Credits
		Lecture	Tutorial	Practical	
MLS 502	Laboratory Rotation	-	-	8	4
MLS 504	Tutorials/Seminars/Journal Club		8	-	4
MLS 506	Research Project work progress report I submission /presentation	-	-	24	12
	Total	-	8	32	20

SECOND YEAR: Semester: 3					
Subject Code	Subject Title	No. of hours per week			Credits
		Lecture	Tutorial	Practical	
MLS 601	Tutorials/Seminars/Journal Club	-	8	-	4
MLS 603	Research Project work progress report II submission /presentation	-	-	32	16
	Total	-	8	32	20

SECOND YEAR: Semester: 4					
Subject Code	Subject Title	No. of hours per week			Credits
		Lecture	Tutorial	Practical	
MLS 602	Tutorials/Seminars/Journal Club	-	8	-	4
MLS 699	Research Project work final dissertation/ manuscript submission /presentation	-	-	32	16
	Total	-	8	32	20