



Curriculum Framework



First Year/Semester1

Course Sym. & No.	Course Title	Total Credit Hours	Credit Hours			Actual Hours			Total Actual Hours	Pre-requisite
			Theory	Lab.	Clinical	Theory	Lab.	Clinical		
BSSC 101	Islamic Studies I	2	2	0	0	2	0	0	2	College entrance
BSSC107	English Language I	3	2	1	0	2	2	0	4	College entrance
BSCM 103	Chemistry for Health Sciences	4	3	1	0	3	2	0	5	College entrance
BSCM 101	Mathematics	3	3	0	0	3	0	0	3	College entrance
BSCM 105	Biology I	2	2	0	0	2	0	0	2	College entrance
Total		14	12	2	0	12	4	0	16	

First Year/ Semester 2

Course Sym. & No.	Course Title	Total Credit Hours	Credit Hours			Actual Hours			Total Actual Hours	Pre-requisite
			Theory	Lab.	Clinical	Theory	Lab.	Clinical		
BSSC 304	Arabic Language I	2	2	0	0	2	0	0	2	
BSCM 104	General Physics	3	3	0	0	3	0	0	3	
BHRC 104	Introduction to Health Sciences	1	1	0	0	1	0	0	1	
BSSC 108	English Language II	3	2	1	0	2	2	0	4	BSSC107
BSCM 102	Biology II	2	2	0	0	2	0	0	2	BSCM 105
BSSC 110	English Language And Medical Terminology I	3	2	1	0	2	2	0	4	BSSC107
BSSC 106	Islamic Studies II	2	2	0	0	2	0	0	2	BSSC 101
Total		16	14	2	0	14	4	0	18	



Second Year/ Semester 3

Course Sym. & No.	Course Title	Total Credit Hours	Credit Hours			Actual Hours			Total Actual Hours	Pre-requisite
			Theory	Lab.	Clinical	Theory	Lab.	Clinical		
BSSC 402	Arabic Language II	2	2	0	0	2	0	0	2	BSSC 304
BHRC 205	Biochemistry for Health Sciences I	3	2	1	0	2	2	0	4	BSCM 103
BHRC 201	Principles of Human Anatomy	3	2	1	0	2	2	0	4	BSCM 102
BSSC 204	English Language And Medical Terminology II	3	2	1	0	2	2	0	4	BSSC 110
BHRC 203	Principles of Human Physiology	4	3	1	0	3	2	0	5	BSCM 102- BSCM 103
BSSC 302	Islamic Studies III	2	2	0	0	2	0	0	2	BSSC 106
Total		17	13	4	0	13	8	0	21	



Second Year/ Semester 4

Course Sym. & No.	Course Title	Total Credit Hours	Credit Hours			Actual Hours			Total Actual Hours	Pre-requisite
			Theory	Lab.	Clinical	Theory	Lab.	Clinical		
BSSC 401	Islamic Studies IV	2	2	0	0	2	0	0	2	BSSC 302
BSCM 202	Introduction to Computer Technology	2	2	0	0	2	0	0	2	
BHRC 202	Biochemistry for Health Sciences II	3	2	1	0	2	2	0	4	BHRC 205
BHRC 204	Human Genetics	2	2	0	0	2	0	0	2	BSCM 102- BHRC 205
BHRC 206	Introduction to Microbiology	3	2	1	0	2	2	0	4	BSCM 102- BSCM 103
BSSC 203	Psychology	2	2	0	0	2	0	0	2	
Total		14	12	2	0	12	4	0	16	



Third Year/ Semester 5

Course Sym. & No.	Course Title	Total Credit Hours	Credit Hours			Actual Hours			Total Actual Hours	Pre-requisite
			Theory	Lab.	Clinical	Theory	Lab.	Clinical		
MLSC 301	Introduction to clinical Laboratory Sciences	3	2	1	0	2	2	0	4	BHRC 202- BHRC 206
MLSC 303	Clinical Biochemistry I	3	2	1	0	2	2	0	4	BHRC 202
MLSC 305	General Clinical Microbiology	4	3	1	0	3	2	0	5	BHRC 206
MLSC 307	Haematology and Haemostasis I	3	2	1	0	2	2	0	4	BHRC 201- BHRS 203
MLSC 309	Principles of Histopathology and Cytopathology	3	2	1	0	2	2	0	4	BHRC 201- BHRS 203
MLSC 311	Epidemiology & Biostatistics and quality Assurance	2	2	0	0	2	0	0	2	BHRC 202- BHRC 206
Total		18	13	5	0	13	10	0	23	



Third Year/ Semester 6

Course Sym. & No.	Course Title	Total Credit Hours	Credit Hours			Actual Hours			Total Actual Hours	Pre-requisite
			Theory	Lab.	Clinical	Theory	Lab.	Clinical		
MLSC 302	Electron Microscopy	2	1	1	0	1	2	0	3	MLSC 301- MLSC 309
MLSC 304	Pathophysiology	2	2	0	0	2	0	0	2	MLSC 309
MLSC 306	Clinical Bacteriology I	4	3	1	0	3	2	0	5	MLSC 305
MLSC 308	Clinical Biochemistry II	3	2	1	0	2	2	0	4	MLSC 303
MLSC 310	Clinical Mycology	3	2	1	0	2	2	0	4	MLSC 305
MLSC 312	Hematology and Haemostasis II	3	2	1	0	2	2	0	4	MLSC 307
Total		17	12	5	0	12	10	0	22	



Fourth Year/ Semester 7

Course Sym. & No.	Course Title	Total Credit Hours	Credit Hours			Actual Hours			Total Actual Hours	Pre-requisite
			Theory	Lab.	Clinical	Theory	Lab.	Clinical		
MLSC 401	Clinical Immunology and Serology	3	2	1	0	2	2	0	4	MLSC 305
MLSC 403	Clinical parasitology	3	2	1	0	2	2	0	4	MLSC 305
MLSC 405	Immuno-haematology and blood bank I	3	2	1	0	2	2	0	4	MLSC 312
MLSC 407	Clinical Biochemical Instrumentation and Methodology	3	2	1	0	2	2	0	4	MLSC 308
MLSC 409	Clinical Bacteriology II	2	1	1	0	1	2	0	3	MLSC 306
Total		14	9	5	0	9	10	0	19	



Fourth Year/ Semester 8

Course Sym. & No.	Course Title	Total Credit Hours	Credit Hours			Actual Hours			Total Actual Hours	Pre-requisite
			Theory	Lab.	Clinical	Theory	Lab.	Clinical		
MLSC 402	Gene –Technology and Molecular Biology	3	2	1	0	2	2	0	4	BHRC 204, MLSC 308
MLSC 404	Clinical Virology	3	2	1	0	2	2	0	4	MLSC 305
MLSC 406	Introduction to Laboratory Management	2	2	0	0	2	0	0	2	MLSC 301
MLSC 408	Laboratory Practice and Leadership	3	2	1	0	2	2	0	4	MLSC 301
MLSC 410	Immuno-haematology and blood bank II	2	1	1	0	1	2	0	3	MLSC 405
MLSC 412	Histopathology and Cytopathology	3	2	1	0	2	2	0	4	MLSC 309
Total		16	11	5	0	11	10	0	21	

Fifth Year (Level 9+Level 10)

The fifth year is devoted for the clinical practicum courses (INTERNSHIP) which will be spent in recognized hospital laboratories. The total credit hours for this year are 38 credit hours corresponding to 38 weeks (i.e. one hour =one week) over entire year (Two semesters).The distribution of the weeks during the year will be supervised by the faculty taking into consideration, the national holidays.

The credit hours (weeks) are distributed as below:

Course Sym. & No.	Course Title	Total Credit Hours	Credit Hours			Actual Hours			Total Actual Hours	Pre-requisite
			Theory	Lab.	Clinical	Theory	Lab.	Clinical		
MLSC 501	Clinical Microbiology and Immunology Practicum	12	0	0	12	0	0	36	36	MLSC 310- MLSC 401 MLSC 403- MLSC 409- MLSC 404
MLSC 502	Clinical Biochemistry Practicum	8	0	0	8	0	0	24	24	MLSC 407
MLSC 503	Clinical Haematology Practicum	6	0	0	6	0	0	18	18	MLSC 312
MLSC 504	Clinical Immuno-haematology Practicum	6	0	0	6	0	0	18	18	MLSC 410
MLSC 505	Clinical Microscopy and General urine analysis Practicum	2	0	0	2	0	0	6	6	MLSC 305
MLSC 506	Histopathology and Cytopathology Practicum	4	0	0	4	0	0	12	12	MLSC 412
Total		38	0	0	38	0	0	114	114	