

**ACADEMIC PROGRAMME AND
EXAMINATION STRUCTURE OF
B.Sc. (HONOURS) IN
MEDICAL LABORATORY SCIENCES
DEGREE PROGRAM**

**FACULTY OF ALLIED HEALTH SCIENCES
UNIVERSITY OF SRI JAYEWARDENEPURA
GANGODAWILA
NUGEGODA**

Year 1

Subject code	Subject	Total hours	Credits
MLS 1801	Laboratory Practice	165	8.0
MLS 1502	Chemistry and Biochemistry	107	5.0
MLS 1703	Human Biology	143	7.0
MLS 1604	Parasitology and Immunology	128	6.0
MLS 1405	Basic Haematology and General Pathology	80	4.0
	Total	623	30.0

Examination structure: Year 1

In-Course Assessments (ICA)

Subject	2 nd Term (ICA 1)		3 rd Term (ICA 2)		Marks allocated
	Assessment tool	Duration	Assessment tool	Duration	
Laboratory Practice	OSPE 15	30 minutes	-	-	15%
Chemistry and Biochemistry	SEQ - 02	1 ½ hours	-	-	20 %
	MCQ -15				
Human Biology	SEQ - 02	1 ½ hours	-	-	30%
	MCQ -15				
Parasitology and Immunology	-	-	OSPE 15	30 minutes	10%
Basic Haematology and General Pathology	-	-	OSPE 20	40 minutes	20%

Part I Examination

Subject	Assessment tool	Duration	Marks allocated
Laboratory Practice	SEQ - 06	03 hours	60%
	Practical*	01 hour	25%
Chemistry and Biochemistry	SEQ - 06	03 hours	60%
	Practical (Chemistry)*	01 hour	10%
	Practical (Biochemistry)	01 hour	10%
Human Biology	SEQ - 04	02 hours	40%
	MCQ - 30	01 hour	20%
	OSPE - 20	40 minutes	10%

Parasitology and Immunology	SEQ - 06	03 hours	70%
	Practical (Parasitology)	01 hour	20%
Basic Haematology and General Pathology	SEQ - 06	03 hours	50%
	Practical (Haematology)	01 hour	20%
	Viva (Haematology)	10 minutes	10%

*Practical examinations will be conducted at the end of Year 1 Term 2

Year 2

Subject code	Subject	Total hours	Credits
MLS 2501	Haematology - 1	114	5.0
MLS 2502	Haematology - 2	116	5.0
MLS 2903	Microbiology	210	9.0
MLS 2604	Anatomical Pathology	138	6.0
MLS 2705	Clinical Biochemistry	140	7.0
	Total	718	32.0

Examination structure: Year 2

In-Course Assessments (ICA)

Subject	5 th Term (ICA 3)			6 th Term (ICA 4)		
	Assessment tool	Time duration	Marks allocated	Assessment tool	Time duration	Marks allocated
Haematology - 2	-	-	-	Viva	06 minutes	10%
Microbiology	OSPE 10	20 minutes	10%	-	-	-
Clinical Biochemistry	MCQ 15	30 minutes	10%	-	-	-

Part II Examination

Subject	Assessment tool	Time duration	Marks allocated
Haematology - 1	SEQ 04	02 hours	60%
	Practical (Haemolytic anaemia and Transfusion Medicine)*	01 hour	40%
Haematology - 2	SEQ 04	02 hours	50%
	Practical – WBC	01 hour	20%
	Practical – Platelets & Coagulation	01 hour	20%
Microbiology	SEQ 06	03 hours	50%
	Practical	06 hours	40%

Anatomical Pathology	SEQ 06	03 hours	60%
	OSPE 20	40 minutes	10%
	Practical (Histopathology)*	01 hour	15%
	Practical (Cytology)	01 hour	15%
Clinical Biochemistry	SEQ 06	03 hours	60%
	Practical	01 hour	30%

*Practical examination will be conducted at the end of Year 2 Term 5

Year 3

Subject code	Subject	Total hours	Credits
MLS 3701	Molecular Biology	135	7.0
MLS 3602	Advanced Analytical Techniques	105	6.0
MLS 3503	Basic Community Medicine	73	5.0
MLS 3304	Managerial Skills	30	3.0
MLS 3905	Research Project	Extend throughout the year 3	9.0
	Total	343	30.0

Examination structure: Year 3

In-Course Assessments (ICA)

Subject	8 th Term (ICA 5)		
	Assessment tool	Time duration	Marks allocated
Molecular Biology	SEQ 02	1 ½ hours	40%
	MCQ 15		
Advanced Analytical Techniques	Seminar presentation	30 minutes	20%
Managerial Skills	Field report and seminar presentation	-	30%

Part III Examination

Subject	Assessment tool	Time duration	Marks allocated
Molecular Biology	SEQ 04	02 hours	60%
Advanced Analytical Techniques	SEQ 06	03 hours	80%
Basic Community Medicine	SEQ 06	03 hours	100%
Managerial Skills	SEQ 04	02 hours	70%
Research Project	Dissertation		60%
	Presentation		10%
	Viva		30%

Year 4

In-course Work Experience			
Subject code	Subject	Total hours	Credits
MLS 4701	Haematology and Transfusion Medicine		7.0
MLS 4702	Chemical Pathology		7.0
MLS 4703	Histopathology and Cytology		7.0
MLS 4704	Clinical Microbiology		7.0
MLS 4305	Molecular Diagnostics		3.0
	Total	1540	31

Part IV Examination

Subject	Assessment tool	Time duration	Marks allocated	Total
Haematology and Transfusion Medicine	Practical*	03 hours	30%	100%
	Portfolio assessment		40%	
	Portfolio-based Viva	10 minutes	30%	
Chemical Pathology	Practical*	03 hours	30%	100%
	Portfolio assessment		40%	
	Portfolio-based Viva	10 minutes	30%	
Histopathology & Cytology	Practical*	03 hours	30%	100%
	Portfolio assessment		40%	
	Portfolio-based Viva	10 minutes	30%	
Clinical Microbiology	Practical*	03 hours	30%	100%
	Portfolio assessment		40%	
	Portfolio-based Viva	10 minutes	30%	
Molecular Diagnostics	Portfolio assessment		50%	100%
	Portfolio-based Viva	10 minutes	50%	

*The practical component of each discipline will be assessed through a single combined practical examination