

Name of the Faculty : Faculty of Allied Health Science

Name of the Course : Master of Science Molecular Biology & Molecular Diagnostics

BATCH : 2021-22

Sr. No.	Semester/Year	Subject Code	Nomenclature	Theory/ Practical	Core/ AECC/ SEC/ DSE/ GE	L	T	P	Credits	Theory					Practical				Practical (Internal)					Overall Pass Marks	Scheme of Examinations (Theory+Internal+ Practical+Oral/ Theory+Internal+ Practical/ Theory+Practical)			
										Max	Pass	Midterm	Assignment	Project/Seminar	Max	Pass	Demonstration/Presentation	Viva-voce	Max	Pass	Attendance	Lab Work	Midterm			Conduct/Demonstration	Max	Pass
1	1	05470101	Fundamentals of Molecular Biology	Theory	Core	4			4	60	24	20	10	10	40	16										40	Theory + Internal	
2	1	05470102	Biochemistry and Enzymology	Theory	Core	4			4	60	24	20	10	10	40	16										40	Theory + Internal	
3	1	05470103	Tools and Techniques in Molecular Biology& Biochemistry	Theory	Core	4			4	60	24	20	10	10	40	16										40	Theory + Internal	
4	1	05470104	Bacteriology	Theory	Core	4			4	60	24	20	10	10	40	16										40	Theory + Internal	
5	1	05470105	Research Methodology And Biostatistics	Theory	Core	4			4	60	24	20	10	10	40	16										40	Theory + Internal	
6	1	05470106	Critical Research Appraisal	Practical	Core			4	2								10	10	20	8	5	5	5	15	30	12	20	Practical + Internal
7	1	05470107	Practical I (Molecular biology & Biochemistry)	Practical	Core			4	2								10	10	20	8	5	5	5	15	30	12	20	Practical + Internal
8	1	05470108	Practical II (Bacteriology)	Practical	Core			4	2								10	10	20	8	5	5	5	15	30	12	20	Practical + Internal
										26																		
9	2	05470201	Clinical Biochemistry	Theory	Core	4			4	60	24	20	10	10	40	16										40	Theory + Internal	
10	2	05470202	Gene expression and Molecular cell biology	Theory	Core	4			4	60	24	20	10	10	40	16										40	Theory + Internal	
11	2	05470203	Immunology and Immunodiagnostics	Theory	Core	4			4	60	24	20	10	10	40	16										40	Theory + Internal	
12	2	05470204	Medical Genetics	Theory	Core	4			4	60	24	20	10	10	40	16										40	Theory + Internal	
13	2	05470205	Omics based diagnosis	Theory	Core	4			4	60	24	20	10	10	40	16										40	Theory + Internal	
14	2	05470206	Project Development and Seminar	Practical	Core			4	2								10	10	20	8	5	5	5	15	30	12	20	Practical + Internal
15	2	05470207	Practical III (Clinical Biochemistry & Immunology)	Practical	Core			4	2								10	10	20	8	5	5	5	15	30	12	20	Practical + Internal
16	2	05470208	Practical IV (Gene expression and molecular cell biology, and Medical genetics)	Practical	Core			4	2								10	10	20	8	5	5	5	15	30	12	20	Practical + Internal
										26																		
17	3	05470301	Virology and Mycology	Theory	Core	4			4	60	24	20	10	10	40	16										40	Theory + Internal	
18	3	05470302	Molecular Diagnosis & Recombinant DNA technology	Theory	Core	4			4	60	24	20	10	10	40	16										40	Theory + Internal	
19	3	05470303	Bioinformatics and medical diagnosis	Theory	Core	4			4	60	24	20	10	10	40	16										40	Theory + Internal	
20	3	05470304	Clinical Pathology	Theory	Core	4			4	60	24	20	10	10	40	16										40	Theory + Internal	
21	3	05470305	Technical Writing and Seminar - Practical	Practical	Core			8	4								20	20	40	16	10	10	10	30	60	24	40	Practical + Internal
22	3	05470306	Evaluative Clinical Training	Practical	Core			8	4								20	20	40	16	10	10	10	30	60	24	40	Practical + Internal
23	3	05470307	Practical V (clinical pathology)	Practical	Core			4	2								10	10	20	8	5	5	5	15	30	12	20	Practical + Internal
24	3	05470308	Practical VI (Recombinant DNA technology & Virology and Mycology)	Practical	Core			4	2								10	10	20	8	5	5	5	15	30	12	20	Practical + Internal
										28																		
25	4	05470401	Project & Dissertation	Practical	Core			24	12								80	40	120	48	30	30	30	90	180	72	120	Practical + Internal
26	4	05470402	Quality Control & Laboratory Safety	Theory	DSE	4			4	60	24	20	10	10	40	16										40	Theory + Internal	
			Medical Microbiology, IPR, Bio-safety and Bio-ethics	Theory	DSE	4			4	60	24	20	10	10	40	16										40	Theory + Internal	

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