Name of the Faculty : Faculty of Allied Health Science

Name of the Programme : Master of Science (Molecular Biology & Molecular Diagnostics) : 2022-23 onwards

													Theory		Theory(Internal)						Practical				Practical (Internal)						
Semester/Year	Council Code (If any)	Subject Code	Nomenclature	Theory/ Practical	Core/ AECC/ SEC/ DSE/ GE	For ERP	Theory/Practical (Result Combined or Separate)	L	T	P	Credits	Contact Hours	Max	Pass	Attendance	Midterm	Assignment	Project/Seminar	Max	Pass	Demonstration/Presentation	Viva-voce	Max	Pass	Attendance	Lab Work	Midterm	Conduct/Demonstration	Max	Pass	Overall Pass Marks	Scheme of Examinations (Theory+Internal) OR (Practical+Internal)
1	--	05470101	Fundamentals of Molecular Biology	Theory	Core	Core	Separate	4			4	48	60	24	0	20	10	10	40	16											40	Theory + Internal
	--	05470102	Biochemistry and Enzymology	Theory	Core	Core	Separate	4			4	48	60	24	0	20	10	10	40	16											40	Theory + Internal
	--	05470103	Tools and Techniques in Molecular Biology & Biochemistry	Theory	Core	Core	Separate	4			4	48	60	24	0	20	10	10	40	16											40	Theory + Internal
	--	05470104	General Microbiology & Bacteriology	Theory	Core	Core	Separate	4			4	48	60	24	0	20	10	10	40	16											40	Theory + Internal
	--	05470105	Research Methodology And Biostatistics	Theory	Core	Core	Separate	4			4	48	60	24	0	20	10	10	40	16											40	Theory + Internal
	--	05470106	Critical Research Appraisal	Practical	Core	Core	Separate			4	2	24									10	10	20	8	5	5	5	15	30	12	20	Practical + Internal
	--	05470107	Practical I (Molecular biology & Biochemistry)	Practical	Core	Core	Separate			4	2	24									10	10	20	8	5	5	5	15	30	12	20	Practical + Internal
	--	05470108	Practical II (General Microbiology & Bacteriology)	Practical	Core	Core	Separate			4	2	24									10	10	20	8	5	5	5	15	30	12	20	Practical + Internal
			Total Credit for Semester					**20**		**12**	**26**	**312**																				
II	--	05470201	Clinical Biochemistry	Theory	Core	Core	Separate	4			4	48	60	24	0	20	10	10	40	16											40	Theory + Internal
	--	05470202	Gene expression and Molecular cell biology	Theory	Core	Core	Separate	4			4	48	60	24	0	20	10	10	40	16											40	Theory + Internal
	--	05470203	Immunology and Immunodiagnostics	Theory	Core	Core	Separate	4			4	48	60	24	0	20	10	10	40	16											40	Theory + Internal
	--	05470204	Medical Genetics	Theory	Core	Core	Separate	4			4	48	60	24	0	20	10	10	40	16											40	Theory + Internal
	--	05470205	Omics based diagnosis	Theory	Core	Core	Separate	4			4	48	60	24	0	20	10	10	40	16											40	Theory + Internal
	--	05470206	Project Development and Seminar	Practical	Core	Core	Separate			4	2	24									10	10	20	8	5	5	5	15	30	12	20	Practical + Internal
	--	05470207	Practical III (Clinical Biochemistry & Immunology)	Practical	Core	Core	Separate			4	2	24									10	10	20	8	5	5	5	15	30	12	20	Practical + Internal
	--	05470208	Practical IV (Gene expression and molecular cell biology, and Medical genetics)	Practical	Core	Core	Separate			4	2	24									10	10	20	8	5	5	5	15	30	12	20	Practical + Internal
			Total Credit for Semester					**20**		**12**	**26**	**312**																				
III	--	05470301	Virology and Mycology	Theory	Core	Core	Separate	4			4	48	60	24	0	20	10	10	40	16											40	Theory + Internal
	--	05470302	Molecular Diagnosis & Recombinant DNA technology	Theory	Core	Core	Separate	4			4	48	60	24	0	20	10	10	40	16											40	Theory + Internal
	--	05470303	Bioinformatics and medical diagnosis	Theory	Core	Core	Separate	4			4	48	60	24	0	20	10	10	40	16											40	Theory + Internal
	--	05470304	Clinical Pathology	Theory	Core	Core	Separate	4			4	48	60	24	0	20	10	10	40	16											40	Theory + Internal
	--	05470305	Technical Writing and Seminar - Practical	Practical	Core	Core	Separate			8	4	48									20	20	40	16	10	10	10	30	60	24	40	Practical + Internal
	--	05470306	Evaluative Clinical Training	Practical	Core	Core	Separate			8	4	48									20	20	40	16	10	10	10	30	60	24	40	Practical + Internal
	--	05470307	Practical V (clinical pathology)	Practical	Core	Core	Separate			4	2	24									10	10	20	8	5	5	5	15	30	12	20	Practical + Internal
	--	05470308	Practical VI (Recombinant DNA technology & Virology and Mycology)	Practical	Core	Core	Separate			4	2	24									10	10	20	8	5	5	5	15	30	12	20	Practical + Internal
			Total Credit for Semester					**16**		**24**	**28**	**336**																				
IV	--	05470401	Project & Dissertation	Practical	Core	Core	Separate			24	12	144									80	40	120	48	30	30	30	90	180	72	120	Practical + Internal
	--	05470402	Quality control & Laboratory Safety	Theory	Core	Core	Separate	4			4	48	60	24	0	20	10	10	40	16											40	Theory + Internal
			Total Credit for Semester					**4**		**24**	**16**	**192**																				
			Total Credits for Degree					**60**	**0**	**72**	**96**	**1152**																				