Name of the Faculty : Faculty of Allied Health Science

Name of the Course : Master of Science (Microbiology) : 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)
I	--	05450101	General Microbiology	Theory	Core	Core	Separate	3	1		4	48	60	24	0	20	10	10	40	16											40	Theory + Internal
	--	05450102	General Microbiology - Practical	Practical	Core	Core	Separate			4	2	24									10	10	20	8	5	5	5	15	30	12	20	Practical + Internal
	--	05450103	Virology	Theory	Core	Core	Separate	4			4	48	60	24	0	20	10	10	40	16											40	Theory + Internal
	--	05450104	Virology - Practical	Practical	Core	Core	Separate			4	2	24									10	10	20	8	5	5	5	15	30	12	20	Practical + Internal
	--	05450105	Molecular Biology	Theory	Core	Core	Separate	4			4	48	60	24	0	20	10	10	40	16											40	Theory + Internal
	--	05450106	Molecular Biology - Practical	Practical	Core	Core	Separate			4	2	24									10	10	20	8	5	5	5	15	30	12	20	Practical + Internal
	--	05450107	Biochemistry and Biochemical Techniques	Theory	DSE	Core	Separate	3	1		4	48	60	24	0	20	10	10	40	16											40	Theory + Internal
	--	05450108	Research Methodology and Biostatistics and Hospital Management	Theory	DSE	Core	Separate				4	48	60	24	0	20	10	10	40	16											40	Theory + Internal
	--	05450109	Critical Research Appraisal - Practical	Practical	DSE	Core	Separate				2	24									10	10	20	8	5	5	5	15	30	12	20	Practical + Internal
			Total Credit for Semester					**14**	**2**	**12**	**28**	**336**																				
II	--	05450201	Microbial Genetics	Theory	Core	Core	Separate	4			4	48	60	24	0	20	10	10	40	16											40	Theory + Internal
	--	05450202	Microbial Genetics - Practical	Practical	Core	Core	Separate			4	2	24									10	10	20	8	5	5	5	15	30	12	20	Practical + Internal
	--	05450203	Recombinant DNA Technology and Biotechnology	Theory	Core	Core	Separate	3	1		4	48	60	24	0	20	10	10	40	16											40	Theory + Internal
	--	05450204	Recombinant DNA Technology and Biotechnology - Practical	Practical	Core	Core	Separate			4	2	24									10	10	20	8	5	5	5	15	30	12	20	Practical + Internal
	--	05450205	Medical Microbiology	Theory	SEC	Core	Separate	4			4	48	60	24	0	20	10	10	40	16											40	Theory + Internal
	--	05450206	Medical Microbiology - Practical	Practical	DSE	Core	Separate			4	2	24									10	10	20	8	5	5	5	15	30	12	20	Practical + Internal
	--	05450207	Food Microbiology	Theory	Core	Core	Separate	4			4	48	60	24	0	20	10	10	40	16											40	Theory + Internal
	--	05450208	Food Microbiology - Practical	Practical	Core	Core	Separate				2	24									10	10	20	8	5	5	5	15	30	12	20	Theory + Internal
	--	05450209	Bioethics and Safety	Theory	Core	Core	Separate				2	24	60	24	0	20	10	10	40	16											40	Theory + Internal
	--	05450210	Project Development and Seminar	Practical	Core	Core	Separate				2	24									10	10	20	8	5	5	5	15	30	12	20	Practical + Internal
			Total Credit for Semester					**15**	**1**	**12**	**28**	**336**																				
III	--	05450301	Industrial Microbiology	Theory	Core	Core	Separate	4			4	48	60	24	0	20	10	10	40	16											40	Theory + Internal
	--	05450302	Industrial Microbiology - Practical	Practical	Core	Core	Separate			4	2	24									10	10	20	8	5	5	5	15	30	12	20	Practical + Internal
	--	05450303	Immunology	Theory	Core	Core	Separate	4			4	48	60	24	0	20	10	10	40	16											40	Theory + Internal
	--	05450304	Immunology - Practical	Practical	Core	Core	Separate			4	2	24									10	10	20	8	5	5	5	15	30	12	20	Practical + Internal
	--	05450305	Introduction to Bioinformatics	Theory	Core	Core	Separate	4			4	48	60	24	0	20	10	10	40	16											40	Theory + Internal
	--	05450306	Introduction to Bioinformatics - practical	Practical	Core	Core	Separate			4	2	24									10	10	20	8	5	5	5	15	30	12	20	Practical + Internal
	--	05450307	Pharmaceutical Microbiology	Theory	DSE	Core	Separate	4			4	48	60	24	0	20	10	10	40	16											40	Theory + Internal
	--	05450308	Technical Writing and Seminar - Practical	0	SEC	Core	Separate				4	48									20	20	40	16	10	10	10	30	60	24	40	Practical + Internal
			Total Credit for Semester					**16**		**12**	**26**	**312**																				
IV	--	05450401	Environmental Microbiology	Theory	Core	Core	Separate	4			4	48	60	24	0	20	10	10	40	16											40	Theory + Internal
	--	05450402	Dissertation - Practical	Practical	SEC	Core	Separate			24	12	144	300	120							60	60	120	48	30	30	30	90	180	72	120	Practical + Internal
			Total Credit for Semester					**4**		**24**	**16**	**192**																				
			Total Credits for Degree					**49**	**3**	**60**	**98**	**1176**																				