



BRAINWARE UNIVERSITY
 398, Ramkrishnapur Road, Barasat, North 24 Parganas, Kolkata - 700 125
SCHOOL OF MEDICAL & ALLIED HEALTH SCIENCES
DEPARTMENT OF ALLIED HEALTH SCIENCES
Master of Medical Laboratory Science in Hematology and Transfusion Medicine – 2026
(As per NCAHP Guideline)

Semester I

Sl. No	Course Code	Course	L	T	P	Evaluation Scheme		Total	Credits	Course type
						CIA	TEE			
1	MMS1001	Medical Laboratory Management	4	0	0	30	70	100	4	Core Course
2	MMS1002	Cell and Molecular Biology	4	0	0	30	70	100	4	Core Course
3	MMS1003	Research Methodology & Biostatistics	2	0	0	30	70	100	2	Core Course
4	MMS1004	Advanced Molecular Diagnostic Techniques	4	0	0	30	70	100	4	Core Course
5	MMS1005	Digital Health Technologies	2	0	0	30	70	100	2	Core Course
6	MMS1901	A. Clinical Biochemistry	0	0	4	30	70	100	2	General Elective-Practical Course
		B. Diagnostic Microbiology								
7	MMS1902	Research Methodology & Biostatistics Practical	0	0	4	30	70	100	2	Practical Course
8	MMS1903	Advanced Molecular Diagnostic Techniques Practical	0	0	4	30	70	100	2	Practical Course
	Total		16	0	12	240	560	800	22	



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Semester II

Sl. No	Course Code	Course	L	T	P	Evaluation Scheme		Total	Credits	Course type
						CIA	TEE			
1	MMS2001	Haematology and Haematological Disorders	4	0	0	30	70	100	4	Core Course
2	MMS2002	Haemostatic Disorders	4	0	0	30	70	100	4	Core Course
3	MMS2003	Applied Immunopathology in Haematology	4	0	0	30	70	100	4	Core Course
4	MMS2004	Clinical Pathology	2	0	0	30	70	100	2	Core Course
5	MMS2901	Haematology and Haematological Disorders Practical	0	0	4	30	70	100	2	Practical Course
6	MMS2902	Haemostatic Disorders Practical	0	0	4	30	70	100	2	Practical Course
7	MMS2903	Applied Immunopathology in Haematology Practical	0	0	4	30	70	100	2	Practical Course
8	MMS2904	Clinical Pathology Practical	0	0	4	30	70	100	2	Practical Course
	Total		14	0	16	240	560	800	22	



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Semester III

Sl. No	Course Code	Course	L	T	P	Evaluation Scheme		Total	Credits	Course type
						CIA	TEE			
1	MMS3001	Blood Banking and Immunohematology	4	0	0	30	70	100	4	Core Course
2	MMS3002	Transfusion Medicine	4	0	0	30	70	100	4	Core Course
3	MMS3003	Molecular Hematology	4	0	0	30	70	100	4	Core Course
4	MMS3004	Advanced Haematological Techniques	2	0	0	30	70	100	2	Core Course
5	MMS3901	Blood Banking and Immunohematology Practical	0	0	4	30	70	100	2	Practical Course
6	MMS3902	Transfusion Medicine Practical	0	0	4	30	70	100	2	Practical Course
7	MMS3903	Molecular Hematology Practical	0	0	4	30	70	100	2	Practical Course
8	MMS3904	Advanced Haematological Techniques Practical	0	0	4	30	70	100	2	Practical Course
Total			14	0	16	240	560	800	22	

Semester IV

Sl. No	Course Code	Course	L	T	P	Evaluation Scheme		Total	Credits	Course type
						CIA	TEE			
1	MMS4801	Dissertation	0	0	0	200	400	600	22	Dissertation/ Research Based course
Total			0	0	0	200	400	600	22	