

MUTHAYAMMAL COLLEGE OF ARTS & SCIENCE, RASIPURAM – 637 408

M.SC., BIOINFORMATICS- CHOICE BASED CREDIT SYSTEM

(For the students admitted from the year 2008-2009 on words)

Name of the Course	Semester	Part	Subject Code	Subject	Hours				Marks			
					L	T	P	C	CIA	EA	Total	
I - M.Sc., Bioinformatics	I		08PBI01	Structural Elucidation and Interaction among Biological Molecules		5		5	25	75	100	
			08PBI02	Chemistry of Biomolecules and their Dynamics		5		5	25	75	100	
			08PBI03	Cell Biology		5		5	25	75	100	
			08PBI04	Relational Database Management Systems		5		4	25	75	100	
			08PBIP01	Lab in Cell Biology				5	3	40	60	100
			08PBIP02	Lab in Relational Database Management System				5	3	40	60	100
	II		08PBI05	Proteomics		5		5	25	75	100	
			08PBI07	Programming for Bioinformatics		5		5	25	75	100	
			08PBIZ01	Molecular Biology & Genetic Engineering		5		5	25	75	100	
			08PBTED1	EDC-Applied Biotechnology		5		5	25	75	100	
			08PBIP03	Human Rights		2		2	25	75	100	
		08PBIP04	Lab course III				5	4	40	60	100	
II - M.Sc., Bioinformatics	III		08PHR01	Lab course IV			5	4	40	60	100	
			08PBI08	Genomics and Phylogenetic Analysis		5		5	25	75	100	
			08PBI09	Molecular modeling and Drug Design		5		5	25	75	100	
			08PBI10	Systems Biology and Metabolomics		5		5	25	75	100	
			08PBIZ02	Data Warehousing And Data Mining		5		5	25	75	100	
	IV		08PBIP05	Lab course V				5	5	40	60	100
			08PBI11	Research Methodology		5		5	25	75	100	
			08PBIPR1	Project				10			200	