

**K L University**  
**Dept. of Biotechnology**  
 Course structure for M. Tech Biotechnology  
 (2 year regular programme)  
**CDC and Electives**

**First Year (First Semester) :**

S.No.		Course Title	Periods			Credits
			L	T	P	
1	12BT501	Mathematics and Biostatistics	4	0	0	4
2	12BT502	Biochemical Engineering	3	1	2	5
3	12BT503	Molecular Biology and r-DNA Technology	3	0	2	4
4	12BT504	Applied Bioinformatics	3	1	2	5
5	12BTE530	Elective 1	3	0	0	3
6	12BTE531	Elective 2	3	0	0	3
7	KLUC 501	Seminar/Term Paper	0	0	4	2
		Total Credits	26			

**II Semester with-holding**

S.No	Course code	Course Title	Periods			Credits
			L	T	P	
1	12BT505	Plant and Animal Biotechnology	3	1	2	5
2	12BT506	Immunotechnology	4	0	0	4
3	12BT507	Bioreactor modeling and Simulation	3	0	2	4
4	12BT508	Downstream Processing	3	0	2	4
5	12BTE532	Enzyme technology	3	0	0	3
6	12BTE533	Molecular Modeling and Drug Designing	3	0	0	3
7	KLUC 502	Thesis/Project	0	0	4	2
		<b>Total Credits</b>	25			

III Semester & IV Semester	
Course	Credits
Dissertation work	36

**HOD-BT**