

NORTH MAHARASHTRA UNIVERSITY, JALGAON
STRUCTURE OF TEACHING & EVALUATION
B.E. (BIOTECHNOLOGY) W.E.F.2015-2016

Semester VII

Course Code	Name Of The Course	Group	Teaching Scheme				Evaluation Scheme				Credits	
			Theory Hrs/Week	Tutorial Hrs/Week	Practical Hrs/Week	Total	Theory		Practical			Total
							ISE	ESE	ICA	ESE		
BTL-701	Bioprocess Equipment Design	D	3	--	--	3	20	80	--	--	100	3
BTL-702	Bioinformatics	D	3	--	--	3	20	80	--	--	100	3
BTL-703	Down Stream Processing	D	3	--	--	3	20	80	--	--	100	3
BTL-	Interdisciplinary Elective	E	3	--	--	3	20	80	--	--	100	3
BTL-	Elective -I	E	3	--	--	3	20	80	--	--	100	3
BTP-711	LAB Bioinformatics	D	--	--	2	2	--	--	25	25	50	1
BTP-712	LAB Down Stream Processing	D	--	--	2	2	--	--	25	25	50	1
BTP-	LAB Elective –I	E	--	--	2	2	--	--	25	25	50	1
BTP-717	Project –I	D	--	--	2	2	--	--	25	25	50	2
BTP-718	Seminar –II	D	--	--	2	2	--	--	25	--	25	2
BTP-719	Industrial Visit	D	--	--	--	--	--	--	25	--	25	1
TOTAL			15	--	10	25	100	400	150	100	750	23

Interdisciplinary Elective: BTL-704: Biotechnology of Waste Treatment, BTL-705: Biomedical Instrumentation, BTL-706: Biomechanics.

Elective –I: BTL-707: Food Biotechnology, BTL-708: Plant Biotechnology, BTL-709: Animal Biotechnology, BTL-710: Environmental Biotechnology.

LAB Elective –I: BTP-713: Food Biotechnology, BTP-714: Plant Biotechnology, BTP-715: Animal Biotechnology, BTP-716: Environmental Biotechnology.

Semester VIII

Course Code	Name Of The Course	Group	Teaching Scheme				Evaluation Scheme				Credits	
			Theory Hrs/Week	Tutorial Hrs/Week	Practical Hrs/Week	Total	Theory		Practical			Total
							ISE	ESE	ICA	ESE		
BTL-801	Bioprocess Modeling & Simulation	D	3	--	--	3	20	80	--	--	100	3
BTL-802	Bioprocess Industries	D	3	--	--	3	20	80	--	--	100	3
BTL-	Elective –II	E	3	--	--	3	20	80	--	--	100	3
BTL-	Elective-III	E	3	--	--	3	20	80	--	--	100	3
BTP-811	LAB Bioprocess Modeling & Simulation	D	--	--	2	2	--	--	25	25	50	1
BTP-812	LAB Bioprocess Industries	D	--	--	2	2	--	--	25	25	50	1
BTP-	LAB Elective –II	E	--	--	2	2	--	--	25	25	50	1
BTP-817	Industrial Lecture*	C	--	--	1	1	--	--	50	--	50	2
BTP-818	Project – II	D	--	--	4	4	--	--	75	75	150	6
TOTAL			12	--	11	23	80	320	200	150	750	23

Elective –II: BTL-803: Genomics & Proteomics, BTL-804: Good Manufacturing Practices, BTL-805: Pharmaceutical Biotechnology, BTL-806: Nanobiotechnology.

Elective – III: BTL-807: System Biology, BTL-808: Molecular Modeling & Drug Designing, BTL-809: Stem Cell Technology, BTL-810: Biofuel & Alcohol Technology.

LAB Elective –II: BTP-813: Genomics & Proteomics, BTP-814: Good Manufacturing Practices, BTP-815: Pharmaceutical Biotechnology, BTP-816: Nanobiotechnology.

NOTE: * Minimum 06 lectures to be delivered by experts of the industry in alternative weeks. Next week group discussion on the lecture delivered.