

Semester II

No.	Course code	Course Title	Type of Paper	Period Per hr/week/sem			Evaluation Scheme				Max. Marks	Credit	Total Credits	Attributes							SDGs	
				L	T	P	CT	TA	Total	ESE				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics		
1	BE-507	Fermentation Technology	Core	3	1	0	40	20	60	40	100	3:1:0	4	√	√	√		√	√	√	9,12,15	
2	BE-508	Downstream Processing	Core	2	1	0	40	20	60	40	100	2:1:0	3	√	√	√		√	√	√	4,6,7,8,9,12,15	
3	BE-509	Genetic Engineering	Core	2	1	0	40	20	60	40	100	2:1:0	3	√	√	√		√	√	√	2,3,4,14	
4	BE-510	Enzyme Engineering	Core	3	1	0	40	20	60	40	100	3:1:0	4	√	√	√					3,4	
Departmental electives																						
5.	BE-512	Nanobiotechnology	Elective	2	1	0	40	20	60	40	100	2:1:0	3	√	√	√		√			3,4,8,9,11,15,16	
	BE-513	Plant Cell Technology	Elective	2	1	0	40	20	60	40	100	2:1:0	3	√	√	√					1,2,3,4,9,15	
	BE-514	Pharmaceutical Biotechnology	Elective	2	1	0	40	20	60	40	100	2:1:0	3	√	√	√		√	√	√	3,4,9,11,12,5,16	
	BE-515	Bioreactor Engineering	Elective	2	1	0	40	20	60	40	100	2:1:0	3	√	√	√		√	√	√	9,12,15	
Lab																						
6.	BE-511	Fermentation Technology & Genetic Engineering Lab	Core	00	00	06	40	20	60	40	100	0:0:3	3	√	√	√		√	√	√	3,4,8,9,11,12,15	
7.	BE-516	Applied Microbiology and Biotechnology	Core	2	1	0	40	20	60	40*	100*	0:0:0	0	√	√	√		√	√	√	2,3,4,6,13,	
Total				14	6	6	240	120	360	240	600	20	20									

* A zero-credit foundation course. Candidate has to pass the course by securing at least 50% marks