

INTEGRAL UNIVERSITY

LUCKNOW

**SYLLABUS &
EVALUATION SCHEME**

for

**B.TECH.
BIOTECHNOLOGY**

IV Year

(with effect from 2018-19)

B.Tech. Biotechnology
(with effect from July 2018)

IV Year

VII Sem

S. No.	Course Category	Subject code	Name of Subject	Periods and Credits				Evaluation Scheme			Subject Total	
				L	T	P	C	Sessional (CA)		ESE		
								CT	TA			Total
1	DC	BE-401	Environmental Biotechnology	2	1	0	3	25	15	40	60	100
2	DC	BE-402	Fermentation Engineering	2	1	0	3	25	15	40	60	100
3	DC	BE-403	Applied Bioinformatics	2	1	0	3	25	15	40	60	100
4	DC	BE-404	Nanobiotechnology	2	1	0	3	25	15	40	60	100
5	DE		Departmental Elective	3	1	0	4	25	15	40	60	100
6	DC	BE-405	Environmental Biotechnology Lab	0	0	2	1	30	30	60	40	100
7	DC	BE-406	Fermentation Engineering Lab	0	0	4	2	30	30	60	40	100
8	DC	BE-407	Bioinformatics Project	0	0	4	2	0	60	60	40	100
9	OE		Open Elective-I	-	-	-	4	25	15	40	60	100
10	DC	*BE-300	Industrial Training	0	0	0	0	0	0	0	50*	S/U*
Total				11	5	10	25	210	210	420	480	900

* A zero-credit industrial training. Candidate has to score an S (satisfactory) grade.

L: Lecture **T:** Tutorial **P:** Practical **C:** Credit **CA:** Continuous Assessment

CT: Class Test **TA:** Teacher's Assessment **ESE:** End Semester Examination

DC: Departmental Core **DE:** Departmental Elective **OE:** Open Elective

S/U: Satisfactory/Unsatisfactory

Departmental Electives

1. Food Biotechnology (BE-408)
2. Pharmaceutical Biotechnology (BE-409)
3. Bioenergetics and Metabolic Engineering (BE-410)
4. Agricultural Biotechnology (BE-411)

B.Tech. Biotechnology
(with effect from Jan 2019)

IV Year

VIII Sem

S. No.	Course Category	Subject code	Name of Subject	Periods and Credits				Evaluation Scheme			Subject Total	
				L	T	P	C	Sessional (CA)		ESE		
								CT	TA			Total
1	DC	BE-451	Seminar	0	0	0	3	0	100	100	0	100
2	DC	BE-499	B.Tech. Project	0	0	0	4	0	60	60	40	100
3	DC	BE-499	B.Tech. Project	0	0	0	4	0	60	60	40	100
4	DC	BE-499	B.Tech. Project	0	0	0	4	0	60	60	40	100
5	DC	BE-412	Educational Tour	0	0	0	2	0	60	60	40	100
6	OE		Open Elective-2	-	-	-	4	25	15	40	60	100
Total				0	0	0	21	25	355	380	220	600

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