



## Semester II

S. No.	Course code	Course Title	Type of Paper	Period Per hr/week/sem			Evaluation Scheme				Max. Marks	Credit	Total Credits	Attributes						United Nations Sustainable Development Goals (SDGs)
				L	T	P	CT	TA	Total	ESE				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	
<b>THEORIES</b>																				
1	BS411	Gene Expression & Regulation	Core	3	1	0	40	20	60	40	100	3:1:0	4							
2	BS412	Enzymology & Enzyme kinetics	Core	3	1	0	40	20	60	40	100	3:1:0	4							
3	BS413	Metabolism & Bioenergetics	Core	3	1	0	40	20	60	40	100	3:1:0	4							
4	BS431	Cytology & Cell Signalling	Core	3	1	0	40	20	60	40	100	3:1:0	4							
5	Elective courses (Any one of the following)		Elective	3	1	0	40	20	60	40	100	3:1:0	4							
	BS415	Molecular Genetics																		
	BS416	Environmental Biology														√		√		
	BS417	Pharmaceutical Biology												√	√	√				
<b>PRACTICAL</b>																				
6	BS432	Analytical Biochemistry and Enzymology Lab	Practical	0	0	12	40	20	60	40	100	0:0:6	6	√	√	√				
7	BS419	Educational/Industrial tour									S/U					√			√	
<b>Total</b>				<b>15</b>	<b>05</b>	<b>12</b>	<b>240</b>	<b>120</b>	<b>360</b>	<b>240</b>	<b>600</b>	<b>24</b>	<b>26</b>							

**# Note:** The students of M.Sc. Biochemistry have to undergo the educational/Industrial tour in Biochemistry based industry/research institution for practical awareness at the end of 2<sup>nd</sup> semester. [S- satisfactory/ U-unsatisfactory].