



BSc of BIOTECHNOLOGY CURRICULUM -UN TWINNING PROGRAM

No.	Course	Course code	Credit			Prerequisite
			Theory	Practice	Total	
SEMESTER I			15	1	16	
1	Calculus 1	MA001IU	4	0	4	
2	Physics 1	PH013IU	2	0	2	
3	Physics 2	PH014IU	2	0	2	
4	Biology	BT155IU	3	1	4	
5	Academic English 1	EN007IU, EN008IU	4	0	4	
SEMESTER II			19	0	19	
1	Calculus 2	MA002IU	4	0	4	Calculus 1
2	Organic Chemistry	CH009IU	3	0	3	Biology
3	Academic English 2	EN011IU, EN012IU	4	0	4	Academic English 1
4	Experimental Design	BT216IU	3	0	3	
5	Introduction to Biotechnology	BT150IU	2	0	2	
6	Critical thinking	PE008IU	3	0	3	
SEMESTER III			18	4	22	
1	Biochemistry	BT156IU	3	1	4	
2	Plant Physiology	BT010IU	3	0	3	Biology
3	Genetics	BT162IU	3	1	4	Biology
4	Business Communication	BA006IU	3	0	3	
5	Immunology	BT205IU	3	1	4	Biology
6	Analytical Chemistry	CH013IU	3	1	4	
SEMESTER IV			14	2	16	
1	Cell biology	BT222IU	3	0	3	Biology
2	Microbiology	BT164IU	3	1	4	Biology
3	Biostatistics	BT152IU	2	1	3	
4	Human and animal Physiology	BT163IU	3	0	3	
5	Environmental Science	PE014IU	3	0	3	
6	Choose 1 of these 2					
	Techniques in Plant Biotechnology	BT201IU				
	Nutrition and Functional food	FT205IU				