

Semester Breakup

Semester-I

Sr. No.	Course Code	Course Title	Credit Hours
1	ENGL1114	Functional English	3(3+0)
2	ISLA1111/ HUMN1111	Islamic Studies/Ethics*	2(2+0)
3	EDUC3111	Foundations of Education	3(3+0)
4	ZOOL1111	Principles of Animal Life-I	4(3+1)
5	CHEM1111	Fundamentals of Inorganic Chemistry	4(3+1)
6	BOTN1111	Diversity of Plants	4(3+1)
		Total	20

*For non-Muslim students only

Semester-II

Sr. No.	Course Code	Course Title	Credit Hours
1	ENGL1119	Communication Skills	3(3+0)
2	PAKS1111	Pakistan Studies	2(2+0)
3	EDUC1112	General Methods of Teaching	3(3+0)
4	ZOOL1112	Principles of Animal Life-II	4(3+1)
5	CHEM1113	Fundamentals of Organic Chemistry	4(3+1)
6	BOTN1112	Plant Systematics, Anatomy and Development	4(3+1)
		Total	20

Six Credit Hours (Non-credited) Teaching Practice is mandatory to fulfill degree requirement. It will comprise of 3 weeks and it will be conducted twice, i.e., before start of 3rd and 5th semester. It will have 3 credit hours (each time) for teaching / evaluating purpose; however, it will be reflected as non-credited course on the Transcript.

Semester-III

Sr. No.	Course Code	Course Title	Credit Hours
1	ENGL2115	Technical Writing and Presentation Skills	3(3+0)
2	COMP1111	Introduction to Information Technology	3(3+0)

3	EDUC3143	Educational Assessment	3(3+0)
4	ZOOL2111	Animal Diversity –I	4(3+1)
5	CHEM1112	Fundamentals of Physical Chemistry	4(3+1)
6	BOTN2111	Cell Biology, Genetics and Evolution	4(3+1)
7	EDUC2127	Short term Teaching Practice-I	Non Credit Course
		Total	21

Semester-IV

Sr. No.	Course Code	Course Title	Credit Hours
1	MATH2115	Basic Algebra	3(3+0)
2	EDUC2118	Curriculum Design and Instruction	3(3+0)
3	ZOOL2113	Animal Diversity-II	4(3+1)
4	BOTN2112	Plant Physiology and Ecology	4(3+1)
5	BOTN2113	Biodiversity and Conservation	4(3+1)
		Total	18

Six Credit Hours (Non-credited) **Teaching Practice** is mandatory to fulfill degree requirement. It will comprise of 3 weeks and it will be conducted twice, i.e., before start of 3rd and 5th semester. It will have 3 credit hours (each time) for teaching / evaluating purpose; however, it will be reflected as non-credited course on the Transcript.

Semester-V

Sr. No.	Course Code	Course Title	Credit Hours
1	MATH3121	Biostatistics	3(3+0)
2	BOTN3111	Bacteriology and Virology	3(2+1)
3	BOTN3112	Phycology and Bryology	3(2+1)
4	BOTN3113	Diversity of Vascular Plants	3(2+1)
5	BOTN3114	Plant Systematics	3(2+1)
6	BOTN3115	Plant Ecology-I	3(2+1)
7	EDUC3160	Short Term Teaching Practice-II	Non Credit Course
		Total	18

Semester-VI

Sr. No.	Course Code	Course Title	Credit Hours
---------	-------------	--------------	--------------

1	BOTN3116	Mycology and Plant Pathology	3(2+1)
2	BOTN3117	Genetics-I	3(2+1)
3	BOTN3118	Plant Biochemistry-I	3(2+1)
4	BOTN3119	Plant Physiology-I	4(3+1)
5	BOTN3120	Plant Anatomy	3(2+1)
		Total	16

Semester-VII

Sr. No.	Course Code	Course Title	Credit Hours
1	BOTN4111	Plant Biochemistry-II	3(2+1)
2	BOTN4112	Plant Physiology-II	4(3+1)
3	BOTN4113	Genetics-II	3(2+1)
4	BOTN4116	Plant Ecology-II	3(2+1)
5	BOTNxxxx	Elective-I (From Table B)	3*
		Total	16

Semester-VIII

Sr. No.	Course Code	Course Title	Credit Hours
1	BOTN4115	Molecular Biology	3(2+1)
2	BOTN4117	Environmental Biology	3(2+1)
3	BOTNxxxx & BOTNxxxx	Special Paper-I & Special Paper-II (From Table A) or	3* + 3*
	BOTN4114	Thesis** or	6(0+6)
	BOTNxxxx & BOTN4118	Special Paper-I (From Table A) & Research Project***	3* +3 (0+3)
4	BOTNxxxx	Elective-II (From Table B)	3*
		Total	15

*The theory and lab credits of special papers and electives will be opted from Table A and Table B respectively.

**Research will start in VII semester.