

# Semester Breakup

## Semester-I

Sr. No.	Course Code	Course Title	Credits Hours
1	ENGL1114	Functional English	3 (3+0)
2	ISLA 1111/ HUMN1111*	Islamic Studies/Ethics*	2 (2+0)
3	EDUC3111	Foundations of Education	3 (3+0)
4	BOTN1111	Diversity of Plants	4 (3+1)
5	CHEM1111	Fundamentals of Inorganic Chemistry	4 (3+1)
6	ZOOL1111	Principles of Animal Life-I	4 (3+1)
<b>Total</b>			<b>20</b>

\*For non-Muslim Students

## Semester-II

Sr. No.	Course Code	Course Title	Credits 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	BOTN1112	Plant Systematics, Anatomy and Development	4 (3+1)
5	CHEM1113	Fundamentals of Organic Chemistry	4 (3+1)
6	ZOOL1112	Principles of Animal Life-II	4 (3+1)
<b>Total</b>			<b>20</b>

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 / evaluation purpose; however, it will be reflected as non-credited course on the Transcript on 3rd and 5th Semester.

## Semester-III

Sr. No.	Course Code	Course Title	Credits Hours
1	ENGL2115	Technical Writing and Presentation Skills	3 (3+0)
2	EDUC3143	Educational Assessment	3 (3+0)
3	BOTN2111	Cell Biology, Genetics and Evolution	4 (3+1)
4	CHEM1112	Fundamentals of Physical Chemistry	4 (3+1)

5	ZOOL2111	Animal Diversity-I	4 (3+1)
6	ZOOL2112	Animal Form and Function-I	4 (3+1)
7	EDUC2127	Short Term Teaching Practice-I	Not Credit course
<b>Total</b>			<b>22</b>

### **Semester-IV**

<b>Sr. No.</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Credits Hours</b>
1	EDUC2118	Curriculum Design and Instruction	3 (3+0)
2	MATH2115	Basic Algebra	3 (3+0)
3	COMP1111	Introduction to Information Technology	3 (3+0)
4	BOTN2112	Plant Physiology and Ecology	4 (3+1)
5	ZOOL2113	Animal Diversity-II	4 (3+1)
6	ZOOL2114	Animal Form and Function-II	4 (3+1)
<b>Total</b>			<b>21</b>

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### **Semester-V**

<b>Sr. No.</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Credits Hours</b>
1	ZOOL3111	Developmental Biology	4 (3+1)
2	ZOOL3112	Cell and Molecular Biology	4 (3+1)
3	ZOOL3113	Physiology	4 (3+1)
4	ZOOL3114	Animal Behavior	3 (2+1)
5	EDUC3160	Short Term Teaching Practice-II	Not Credit course
<b>Total</b>			<b>15</b>

### **Semester-VI**

<b>Sr. No.</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Credits Hours</b>
1	ZOOL3115	Biological Techniques	3 (1+2)
2	ZOOL3116	Evolution and Principles of Systematics	4 (3+1)

3	ZOOL3117	General Biochemistry	4 (3+1)
4	ZOOL3118	Applied Ecology	4 (3+1)
5	ZOOL3119	Wildlife	2 (2+0)
<b>Total</b>			<b>17</b>

### Semester-VII

Sr. No.	Course Code	Course Title	Credits Hours
1	ZOOL4111	Genetics	4 (3+1)
2	ZOOL4128	Bioinformatics	3 (1+2)
3	ZOOL XXXX	Optional Paper (Table A)	4 (3+1)
4	ZOOL XXXX	Elective -I (Table B)	3 (2+1)
5	ZOOL XXXX	Elective -II (Table B)	3 (2+1)
<b>Total</b>			<b>17</b>

### Semester-VIII

Sr. No.	Course Code	Course Title	Credits Hours
1	ZOOL4127	Zoogeography and Paleontology	4 (3+1)
2	ZOOL4160	Thesis	6(0+6)
	ZOOLXXXX	Special Paper-I(Table B)	3(2+1)
	ZOOLXXXX	Special Paper-II (Table B)	3(2+1)
	ZOOLXXX ZOOL4129	Special Paper I Research Project**	3(2+1) 3(0+3)
3	ZOOL XXXX	Elective- III (Table B)	3 (2+1)
4	ZOOL XXXX	Elective- IV (Table B)	3 (2+1)
<b>Total</b>			<b>16</b>

\*Student opting thesis will start his experimental work in Semester VII. The Thesis will start in 7th Semester but the evaluation of thesis will be carried out at the end of 8th Semester after viva-voce of students.

\*\*Students opting Research Project will have to study Special Paper-I of 3Cr.Hr. in semester VIII