

**UNIVERSITY OF JAMMU**  
**COURSE STRUCTURE FOR MASTERS**  
**DEGREE PROGRAMME IN ZOOLOGY**

The Courses of study prescribed for 1<sup>st</sup> to 4<sup>th</sup> semesters/ Master's Degree Programme under  
CBCS in the subject of Zoology (Session 2019-21)

Semester	Course Code	Course Title	Credits	Nature of Course	% of Change	
I	PSZOTC-101	Ecology & Environmental Biology	4	CORE	-	
	PSZOTC-102	Fundamentals of Genetics	4	CORE	15%	
	PSZOTC-103	Ichthyology	4	CORE	-	
	PSZOTC-104	Immunology	2	CORE	100% (Newly introduced)	
	PSZOTC-105	An Introduction to Insect Diversity	2	CORE	100% (Newly introduced)	
	PSZOPC-106	Lab Course -I	4	PRACTICAL	10 %	
	PSZOPC-107	Lab Course -II	4	PRACTICAL	10 %	
<b>Total credits</b>			<b>24</b>			
PSZOPC-106 Based on Theory Course No.101 & 103 PSZOPC-107 Based on Theory Course No.102, 104 & 105						
II	PSZOTC-201	Cell Biology & Research Instrumentation	4	CORE	25%	
	PSZOTC-202	Functional Anatomy of Animals	4	CORE	-	
	PSZOTC-203	Basic Endocrinology	4	CORE	-	
	PSZOTC-204	Biotechnology	2	CORE	100% (Newly introduced)	
	PSZOTC-205	Biodiversity, Conservation & Management	2	CORE	100% (Newly introduced)	
	PSZOPC-206	Lab Course -I	4	PRACTICAL	10%	
	PSZOPC-207	Lab Course -II	4	PRACTICAL	10%	
<b>Total credits</b>			<b>24</b>			
PSZOPC-206 Based on Theory Course No.201 & 203 PSZOPC-207 Based on Theory Course No.202, 204 & 205						
III	PSZOTC-301	Animal Physiology	4	CORE	-	
	PSZOTC-302	Fundamentals of Biochemistry	4	CORE	10%	
	PSZOTC-303	Biosystematics, Taxonomy & Evolution	4	CORE	-	
	PSZOTO-304	*Economic Zoology/*MOOC through SWAYAM portal	4	MOOC	25%	
	PSZOPC-305	Lab Course -I	4	PRACTICAL	10%	
	PSZOPC-306	Lab Course -II	4	PRACTICAL	10%	
	PSZOTE-307	Aquarium fish keeping	2	SKILL COURSE (OPTIONAL)	100% (Newly introduced)	
<b>Total credits</b>			<b>24</b>			
PSZOPC-305 Based on Theory Course No.301 PSZOPC-306 Based on Theory Course No.302 & 303						
IV	PSZOTC-401	Reproductive & Developmental Biology	4	CORE	15 %	
	PSZOTC-402	Aquaculture	2	CORE	100% (Newly introduced)	
	PSZOTC-403	Microbiology	2	CORE	100% (Newly introduced)	
	<i>Any one of the following elective courses</i>					
	PSZOTE- 404	Limnology	4	ELECTIVE	10%	
	PSZOTE- 405	Fish & fisheries	4	ELECTIVE	10%	
	PSZOTE-406	Molecular Genetics & Cytogenetics	4	ELECTIVE	10%	
	PSZOTE-407	Entomology	4	ELECTIVE	10%	
	PSZOTO-408	*Biological Anthropology	4	OPEN	-	
	PSZOPC-409	Lab Course -I	4	PRACTICAL	10 %	
PSZOPC-410	Lab Course -II	4	PRACTICAL	10 %		
<b>Total credits</b>			<b>24</b>			
PSZOPC-409 Based on Theory Course No.401, 402 & 403 PSZOPC-410 Based on Theory Course No.404/405/406/407						
<b>Total credits earned by the students</b>			<b>96</b>			

\*For students of other Departments.

(Head of the Department)

DAC members

- 1.
- 2.
- 3.
- 4.