

## **STRUCTURE OF THE SYLLABUS FOR 2 YEAR PG PROGRAMME**

**SCHOOL NAME**                - RSLSC

**DEPARTMENT NAME**     - ZOOLOGY

**PROGRAMME NAME**      - M.Sc. ZOOLOGY

<b>1<sup>st</sup> SEMESTER</b>				
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>LEVEL</b>	<b>CREDIT</b>	<b>L-T-P</b>
ZOO144C101	Biosystematics, Taxonomy and Functional Biology of Non-chordates	400	4	3-1-0
ZOO144C102	Ecology, Wildlife and Evolutionary Biology	400	4	3-1-0
ZOO144C103	Cell Biology and Genetics	400	4	3-1-0
ZOO144C104	Biostatistics and Computational Biology	400	4	3-1-0
ZOO144C111	Practical I	400	2	0-0-4
ZOO144C112	Practical II	400	2	0-0-4
MOOC	MOOC/ Online Courses*	400	4	
<b>TOTAL CREDIT FOR 1<sup>st</sup> SEMESTER</b>			<b>24</b>	
<b>2<sup>nd</sup> SEMESTER</b>				
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>LEVEL</b>	<b>CREDIT</b>	<b>L-T-P</b>
ZOO144C201	Functional Biology of Chordates and Biodiversity	400	4	3-1-0
ZOO144C202	Histology, Histochemistry, Toxicology and Bioinstrumentation	400	4	3-1-0
ZOO144C203	Biochemistry and Immunology	400	4	3-1-0
ZOO144C204	Limnology and economic zoology	400	4	3-1-0
ZOO144C215	Practical III	400	2	0-0-4
ZOO144C215	Practical IV	400	2	0-0-4
MOOC	MOOC/ Online Courses*	400	4	
<b>TOTAL CREDIT FOR 2<sup>nd</sup> SEMESTER</b>			<b>24</b>	
<b>TOTAL CREDIT FOR 1<sup>st</sup> YEAR = 48</b>				
<b>3<sup>rd</sup> SEMESTER</b>				
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>LEVEL</b>	<b>CREDIT</b>	<b>L-T-P</b>
ZOO144C341	Physiology, Endocrinology and Animal Behaviour	500	4	3-0-1
ZOO144C342	Molecular Biology, Analytical Techniques and Animal Biotechnology	500	4	3-0-1
ZOO144C323	Dissertation	500	8	0-0-16
<b>Elective courses (anyone to be selected)</b>				
ZOO144D341	Ecology, Environmental and Wildlife Biology	500	4	3-0-1
ZOO144D342	Cell and Molecular Biology	500	4	3-0-1
ZOO144D343	Aquatic Biology and Fishery Sciences	500	4	3-0-1
ZOO144D344	Toxicology	500	4	3-0-1
ZOO144D345	Entomology	500	4	3-0-1

<b>TOTAL CREDIT FOR 3<sup>rd</sup> SEMESTER</b>			<b>20</b>	
<b>OR 3<sup>rd</sup> SEMESTER</b> <b>(For students with 3<sup>rd</sup> and 4<sup>th</sup> Semester Research)</b>				
	<b>RESEARCH PROJECT – PHASE I</b>	<b>500</b>	<b>20</b>	
<b>4<sup>th</sup> SEMESTER</b>				
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>LEVEL</b>	<b>CREDIT</b>	<b>L-T-P</b>
	<b>Dissertation (students with research in 4<sup>th</sup> Sem)</b>	<b>500</b>	<b>12</b>	<b>0-0-24</b>
<i>(for 'Coursework only' in lieu of Research)</i>				
ZOO144C441	Developmental and Reproductive Biology	500	4	3-1-0
ZOO144C442	Parasitology and Vector Biology	500	4	3-1-0
<b>OR 4<sup>th</sup> SEMESTER</b> <b>(For students with 3<sup>rd</sup> and 4<sup>th</sup> Semester Research)</b>				
	<b>RESEARCH PROJECT – PHASE 2</b>	<b>500</b>	<b>20</b>	
<b>TOTAL CREDIT FOR 2<sup>nd</sup> YEAR = 40</b>				