

**SYLLABUS**  
**SUBJECT: ZOOLOGY**  
**Total Marks:1200**

SEMESTER	Course Code	Course title		Credit	Marks	No. of Class hr./week
SEMESTER- I	MZOOCCT101	Unit – I Non-Chordates Structures & Function	Unit – II Entomology	4	40+10	4
	MZOOCCT102	Chordates: Structures & Function		4	40+10	4
	MZOOCCT103	Unit-I Animal Physiology, Endocrinology and Reproductive biology	Unit-II Biochemistry, Biophysics and biophysical techniques	4	40+10	4
	MZOOCCT104	Unit-I Cell structure and Function	Unit II Developmental Biology	4	40+10	4
	MZOCCS105	Practical		4	50	8
	MZOCCS106	Practical		4	50	8

**M.SC, ZOOLOGY SYLLABUS, SKBU (W.E.F. FROM 1ST NOVEMBER, 2022)**

<b>SEMESTER</b>	<b>Course Code</b>	<b>Course title</b>		<b>Credit</b>	<b>Marks</b>	<b>No. of Class hr./week</b>
<b>SEMESTER - II</b>	<b>MZOOCCT201</b>	<b>Unit-I Genetics</b>	<b>Unit – II Evolutionary Biology</b>	<b>4</b>	<b>40+10</b>	<b>4</b>
	<b>MZOOCCT202</b>	<b>Unit-I Behavioural Biology</b>	<b>Unit-II Ecology</b>	<b>4</b>	<b>40+10</b>	<b>4</b>
	<b>MZOOCCT203</b>	<b>Unit-I Parasitology and Microbiology</b>	<b>Unit-II Immunobiology</b>	<b>4</b>	<b>40+10</b>	<b>4</b>
	<b>MZOOCCT204</b>	<b>Unit-I Applied Entomology</b>	<b>Unit – II Aquaculture</b>	<b>4</b>	<b>40+10</b>	<b>4</b>
	<b>MZOCCS205</b>	<b>Practical</b>		<b>4</b>	<b>50</b>	<b>8</b>
	<b>MZOCCS206</b>	<b>Practical</b>		<b>4</b>	<b>50</b>	<b>8</b>

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<b>SEMESTER III</b>	<b>MZOOCCT301</b>	<b>Unit-I Molecular Biology and Biotechnology</b>	<b>Unit – II Environmental Biology &amp; Toxicology</b>	<b>4</b>	<b>40+10</b>	<b>4</b>
	<b>MZOOCCT302</b>	<b>Unit-I Bio Systematics</b>	<b>Unit-II Biodiversity, Wild life conservation and Ethnobiology</b>	<b>4</b>	<b>40+10</b>	<b>4</b>
	<b>MZOOMET303</b>	<b>Major Electives (Parasitology and Immunology/ Fisheries and Aquaculture/ Genetics and Cell Biology).</b>		<b>4</b>	<b>40+10</b>	<b>4</b>
	<b>MZOOOET304</b>	<b>Open Elective</b>		<b>4</b>	<b>50</b>	<b>4</b>
	<b>MZOCCS305</b>	<b>Practical</b>		<b>4</b>	<b>50</b>	<b>8</b>
	<b>MZOOOPP306</b>	<b>Outreach Program</b>		<b>4</b>	<b>50</b>	<b>8</b>

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<b>SEMESTER IV</b>	<b>MZOOCCT401</b>	<b>Unit-I Neurobiology</b>	<b>Unit – II Biostatistics &amp; Introduction to bioinformatics</b>	<b>4</b>	<b>40+10</b>	<b>4</b>
	<b>MZOOMET402</b>	<b>Unit-I</b>	<b>Unit-II</b>	<b>4</b>	<b>40+10</b>	<b>4</b>
	<b>MZOOMET403</b>	<b>Unit-I</b>	<b>Unit-II</b>	<b>4</b>	<b>40+10</b>	<b>4</b>
	<b>MZOOACT404</b>	<b>Add on Course</b>		<b>4</b>	<b>50</b>	<b>8</b>
	<b>MZOOMES405</b>	<b>Practical</b>		<b>4</b>	<b>50</b>	<b>8</b>
	<b>MZOOMEPEP406</b>	<b>Project</b>		<b>4</b>	<b>50</b>	<b>4</b>