

Shri Swami Vivekanand Shikshan Sanstha's  
**Vivekanand College, Kolhapur (Empowered Autonomous)**  
**Department of Zoology**



**CONTENT WITH CROSS-CUTTING ISSUES**

Content with Cross-cutting Issues. No.	Name of the Course	Course Code	Year of Introduction	Professional Ethics	Gender	Human Values	Environment and Sustainability	Sustainable Development Goals	NEP – 2020 service education) NEP – 2020 (Scientific temper, citizenship values, life-skills; lessons in seva/service and participation in community service education)
<b>B.Sc. Zoology (Newly Introduced between 2018-19 and 2020-21)</b>									
1	Animal Diversity	DSC - 1008A	2018-19	Animal Ethical			Environment alism and Biodiversity	Animal protection and conservation	
2	Comparative anatomy and developmental biology of Vertebrates	DSC - 1008B	2018-19	Animal Ethical				Comparative study to understand basics	
3	Physiology and Biochemistry	DSC - 1008C	2019-20					Understand basic of Physiology	



4	Cell Biology, Genetics and Evolution	DSC - 1008D	2019-20	Animal Ethical					
	Animal biotechnology	DSE-1008E1	2020-21	Animal Ethical		Application for human	Environment alism	Biotechnology for protection of Environment	
6	Applied zoology	DSE-1008E2	2020-21	Animal Ethical		Application for human	Environment alism	Sustainable development	
7	Ecology and Aquatic Biology	DSE-1008F1	2020-21	Animal Ethical		Application for human	Environment alism	Sustainable development	
8	Immunology	DSE-1008F2	2020-21						
<b>B.Sc. Zoology (Revised between 2021-22 and 2023-24)</b>									
9	Animal Diversity	DSC - 1008A	2021-22	Animal Ethical			Environment alism and Biodiversity	Animal protection and conservation	
10	Comparative anatomy and developmental biology of Vertebrates	DSC - 1008B	2021-22	Animal Ethical				Comparative study to understand basics	
11	Mammalian Physiology and Biochemistry	DSC - 1008C	2022-23	Animal Ethical		Human welfare		Understand basic of Physiology	
12	Cell Biology, Genetics, Evolution and Ethology-	DSC - 1008D	2022-23	Animal Ethical		Human welfare			
13	Molecular Biology and Bio techniques	DSE-1008E1	2023-24	Animal Ethical		Human welfare		Environment Conservation	



14	Developmental biology	DSE-1008E2	2023-24	Animal Ethical					
15	Immunology	DSE-1008F1 & F2	2023-24	Animal Ethical					
16	Ecology and Toxicology	DSE-1008F3 & F4	2023-24	Animal Ethical		Human welfare		Environment Conservation	
<b>B.Sc. Zoology (As Per NEP 2020 -24)</b>									
17	Animal Diversity I	DSC03 ZOO11	2023-24	Animal Ethical			Environment alism and Biodiversity	Animal protection and conservation	
18	Cell biology	DSC03 ZOO12	2023-24	Animal Ethical					Scientific temper
19	Animal Diversity I	MIN03 ZOO11	2023-24	Animal Ethical			Environment alism and Biodiversity	Animal protection and conservation	Scientific temper
20	Cell biology	MIN03 ZOO12	2023-24	Animal Ethical					Scientific temper
21	Public health and hygiene	OEC03 ZOO11	2023-24	Ethical		Human welfare	Environment alism		Life-skills development
22	Haematology	OEC03 ZOO12	2023-24	Ethical		Human welfare	Environment alism		life-skills development
23	Animal Diversity II	DSC03 ZOO21	2023-24	Animal Ethical			Environment alism and Biodiversity	Animal protection and conservation	Scientific temper
24	Genetics	MIN03 ZOO21	2023-24	Ethical		Human welfare			Scientific temper
25	Applied Zoology	MIN03 ZOO22	2023-24			Human welfare	Biodiversity	Sustainable Development	
26	Diversity in living organism	OEC03 ZOO21	2023-24	Ethical				Animal protection and conservation	Scientific temper



	Structural organization in Animals	OEC03 ZOO22	2023-24	Ethical					Scientific temper
27	Vermicomposting	SEC03 ZOO29	2023-24	Animal Ethical			Environment alism and Biodiversity	Animal protection and conservation	Life-skills development



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