

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



CURRICULAR RELEVANCE

Sr. No.	Name of the Course	Course Code	Year of Introduction	% of Proposed Change in syllabus	COs and POs with relevance to local/ regional needs	COs & POs with relevance to national needs	COs & POs with relevance to global needs
B.Sc. Zoology (Newly Introduced between 2018-19 to 2020-21)							
1	Animal Diversity	DSC - 1008A	2018-19	25 %	CO3. Understand the economic importance of some animals.	PO2. Acquire skill in handling scientific instruments.	PO1. To acquire knowledge with fact.
2	Comparative anatomy and developmental biology of Vertebrates	DSC - 1008B	2018-19	100 %	PO4. Analyze the given scientific data critically and systematically.	CO5. Perform hands on skill in developmental biology	PO5. Realize ethical moral and social values in person and social life.
3	Physiology and Biochemistry	DSC - 1008C	2019-20	100 %		CO3. To apply the knowledge of physiology and biochemistry to solve the disease related problems /health problem.	PO3. Develop scientific outlook with respect to science subject.
4	Cell Biology, Genetics and Evolution	DSC - 1008D	2019-20	100 %	CO5. Compare different type of mutation and chromosomal abnormalities and sex determination		CO3. Interpret the process of origin of evaluation and its evidences.
5	Animal biotechnology	DSE- 1008E1	2020-21	30 %			CO5. Understanding the cell and tissue culture techniques.

6	Applied zoology	DSE-1008E2	2020-21	100 %	CO5. Dairy Farming, Poultry Farming, Goat Farming and economic importance.		CO4. Study and understand the various Pest and its Management.
7	Ecology and Aquatic Biology	DSE-1008F1	2020-21	100 %		CO1. Understand about the basics knowledge about ecology.	CO5. Understands the basic need of aquatic resource management.
8	Immunology	DSE-1008F2	2020-21	100 %	CO4. Able to understand vaccine preparation, antigen and antibody		PO3. Develop scientific outlook with respect to science subject.
B.Sc. Zoology (Revised between 2021-22 to 2023-24)							
9	Animal Diversity	DSC - 1008A	2021-22	20%	CO3. Understand the economic importance of some animals.	PO2. Acquire skill in handling scientific instruments.	PO1. To acquire knowledge with fact.
10	Comparative anatomy and developmental biology of Vertebrates	DSC - 1008B	2021-22	15%	PO4. Analyze the given scientific data critically and systematically.	CO5. Perform hands on skill in developmental biology	PO5. Realize ethical moral and social values in person and social life.
11	Mammalian Physiology and Biochemistry	DSC - 1008C	2022-23	20%		CO3. To apply the knowledge of physiology and biochemistry to solve the disease related problems /health problem.	PO3. Develop scientific outlook with respect to science subject.
12	Cell Biology, Genetics, Evolution and Ethology-	DSC - 1008D	2022-23	15%	CO5. Compare different type of mutation and chromosomal abnormalities and sex determination		CO3. Interpret the process of origin of evaluation and its evidences.


13	Molecular Biology and Bio techniques	DSE-1008E1	2023-24	30%	CO5. Implement cell and tissue culture techniques in laboratory	CO2. Understand the techniques of molecular biology in the field of research	PO2. Acquire skill in handling scientific instruments.
14	Developmental biology	DSE-1008E2	2023-24	100%	CO1. Memorise structure of reproductive system and neuroendocrine regulation		PO3. Develop scientific outlook with respect to science subject.
15	Immunology	DSE-1008F1 & F2	2023-24	16%	CO5. Understand the types of hypersensitivity and autoimmune diseases	CO3. Execute serological testing in laboratory	PO3. Develop scientific outlook with respect to science subject.
16	Ecology and Toxicology	DSE-1008F3 & F4	2023-24	20%	CO4. Understand the marine biology and adaptation in marine animals	PO4. Analyze the given scientific data critically and systematically.	

B.Sc. Zoology NEP 2020 (Introduced in 2023-24)

1	Animal Diversity I	DSC03Z OO11	2023-24	10%	CO1: Recall the systematic, classification and biology of animals		CO4: Apply the knowledge for identification of animals
2	Cell biology	DSC03Z OO12	2023-24	100%		CO5: Design and implement experimental procedure using relevant techniques in cell biology	CO3: Apply knowledge of cell biology in research
3	Animal Diversity I	MIN03Z OO11	2023-24	10%	CO1: Recall the systematic, classification and biology of animals		CO4: Apply the knowledge for identification of animals
4	Cell biology	MIN03Z OO12	2023-24	100%		CO5: Design and implement experimental procedure using	CO3: Apply knowledge of cell biology in research

						relevant techniques in cell biology	
5	Public health and hygiene	OEC03Z OO11	2023-24	100%	CO1: Tell importance of personal and public hygiene	CO5: Interpret between malnutrition and health	CO5: Interpret between malnutrition and health
6	Haematology	OEC03Z OO12	2023-24	100%	CO5: Develop skill and interpret the result	CO3: Apply the knowledge for identification of ABO blood group system and blood transfusion	PO2. Acquire skill in handling scientific instruments.
7	Animal Diversity II	DSC03Z OO21	2023-24	10%	CO1: Recall the systematic, classification and biology of animals		CO4: Apply the knowledge for identification of animals
8	Genetics	MIN03Z OO21	2023-24	100%	CO4: Distinguish between different genetic disorders	CO3: Apply knowledge to solve the genetic problems	
12	Diversity in living organism	OEC03Z OO21	2023-24	100%	CO5: Evaluate the significance of biodiversity		PO1. To acquire knowledge with fact.
13	Structural organization in Animals	OEC03Z OO22	2023-24	100%	CO4: Correlate the functions of organs CO5: Evaluate the importance of organs		PO1. To acquire knowledge with fact.
14	Vermicomposting	SEC03Z OO29	2023-24	100%	CO3: Develop technical skills on harvesting and management of vermicomposting	CO5: Choose vermicomposting that leads to organic farming and healthy food production.	PO3. Develop scientific outlook with respect to science subject.




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