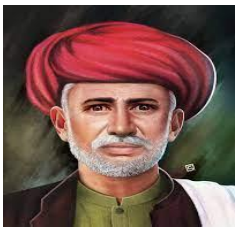

Rayat Shikshan Sanstha's
Mahatma Phule Mahavidyalaya,Pimpri,Pune -17.
Department of Zoology

Course Outcomes

Course	Course Code and Name of the Course		Credits
F.Y.B.Sc.	SEMESTER I	SEMESTER II	
CC	ZO-111 Animal Diversity I	ZO-121 Animal Diversity II	2+2
CC	ZO-112 Animal Ecology	ZO-122 Cell Biology	2+2
CC	ZO-113 Zoology Practical Paper	ZO-123 Zoology Practical Paper	1.5 +1.5
S.Y.B.Sc.	SEMESTER III	SEMESTER IV	
CC	ZO-231 Animal Diversity III	ZO-241 Animal Diversity IV	2+2
CC	ZO-232 Applied Zoology I	ZO-242 Applied Zoology II	2+2
CC	ZO-233 Zoology Practical Paper	ZO-243 Zoology Practical Paper	2+2
AECC	EVS 231-Environment Awareness	EVA 241-Environment Awareness	2+2
AECC	LA 231-English/Marathi	LA 241- English /Marathi	2+2

Name of the Department	Class	Course Name	Course code	Course Outcome
Zoology	**F.Y. B.Sc. (SEM I)**	**Animal Diversity I**	**ZO111**	**CO 1.** Student becomes aware about the Animals They about sponges, Jelly fish, flat worms Students knows about variety of animals i.e. biodiversity their uses and their phylogeny. **CO 2.** Students get knowledge of taxonomy and nomenclature.
			ZO112	**CO 1.** Students understand about different types

		Animal Ecology		of ecosystems, food chain, food web, energy flow and Ecological pyramid **CO 2.** Students know about population density, natality, Mortality ,Fecundity, Exponential and logistic growth, Population regulation **CO 3.** Students know about Community characters Species richness , Ecological succession ,Animal interactions like Commensalism & mutualism
		Practical based on ZO111 and ZO112	**ZO113**	**CO 1.** Student gets the Practical knowledge about different animal specimen by studying its morphological characters. **CO 2**. Students perform practical's about dissolved oxygen and Co2, water holding capacity of soil
	F.Y. B.Sc. (SEM II)	**I-Animal Diversity II**	**ZO121**	**CO 1.** Students Student becomes aware about the Animals. They about Roundworms, Annelids, Arthropods, Echinoderms etc. **CO 2**. Students knows about variety of animals i.e biodiversity their uses and their phylogeny
		-Cell Biology	**ZO122**	**CO 1.** Student understands different cell organelles , structure of cell, functions of different organelles **CO 2.** Student gets knowledge about the structure of DNA and RNA its function and replication.
		Practical based on ZO121 and ZO122	**ZO123**	**CO 1.** Student gets the Practical knowledge about different Animal specimen by studying its morphological characters. **CO 2.** The practical's of cell biology make them aware about structure of cells , cell

				division
	S.Y. B.Sc. (SEM I)	**Animal Diversity III**	**231**	**CO 1.** Students understands characters of urochordates, cephalochordates, they can differentiate between chordates and nonchordates. **CO 2.** Students understand thoroughly about fishes and amphibians **CO 3**. Students knows about parental care in amphibians and details of scolidon animal.
		Applied Zoology I	**232**	**CO 1.** Students understand about Sericulture , lifecycle of silkworm, instruments required for Sericulture, Mulberry plantation **CO 2.** Students understand about Insect pests and their control, Different equipment used for pest control.
		Practical	**233**	**CO 1.** Students learn about Internal organ system of locally available fish, they learn about specimens like Herdmania , Doliolum ,Myxine. **CO 2**. Students know different fish amphibians like toad ,hyla **CO 3.** Students learn about silkworm, pest control
	S.Y. B.Sc. (SEM II)	**Animal Diversity IV**	**241**	**CO 1.** Students know about general characters of reptiles and birds. **CO 2.** Students understand peculiar characters of mammals
		Applied Zoology II	**242**	**CO 1.** Students know about fish breeding methods, different types of fresh water fish, types of nets and instruments of fishing. **CO 2.** Students know about types of bees , artificial hive , uses of honey , types of bee

				products
		Zoology III- Practical	**243**	**CO 1.**Students know about different chordate reptile bird specimen from museum **CO 2.** Students know about difference between venomous and non-venomous snake **CO 3.** Students know about equipment's for fish catching.

Short Term Course Outcomes:

Name of the Department	Class	Course Name	Course Outcome
Zoology	**F.Y. B.SC.**	**Certificate course in Aquarium maintenance**	**CO 1.** Students Understand the basic techniques for maintenance of fish aquarium **CO 2.** They able to construct fish aquarium **CO 3.** Student aware about different types of aquarium fishes, fish diseases, fish food etc. **CO 4.** Student know how to take care of fish in different season