

Lesson Plan

Department of Zoology, Basirhat College

Session- 2018-2019..... July '18- December '18

General

Semester- 1st SEM

Lesson Plan for Course: Animal Diversity...Code:ZOOGCOR01/ ZOOHGECOR01 Credit: 4....

Course coordinator:..**Rajashree Mallick...**

Course Outcome :

- i) CO1: Understand the general characteristics of Protists, Parazoa, and Metazoan phyla from protozoa to mammalia.
- ii) CO2: Can classify organisms upto class for invertebrates and upto orders for vertebrates.
- iii) CO3: Critically analyse the organisation, special characteristics, and life cycle traits of some selected animals from phylum porifera to nemathelminthes.
- iv) CO4: Can identify organisms of the above mentioned taxa by inspecting through microscope or naked eye.
- v) CO5: Can appreciate the diversity of animal kingdom and its importance for sustenance of life on earth.

Course planner

Month	Course Topic	Teacher	Class-hour	Remarks*
July	Unit-1 Kingdom Protista	Rajashree Mallick		
	General characters and classification of Subkingdom Protozoa up to Phylum		2	Theoretical,
	Locomotory Organelles and locomotion in Protozoa		1	Theoretical,
	Unit-2 Phylum Porifera	Rajashree Mallick		
	General characters and classification up to classes; Canal System in <i>Sycon</i>		2	Theoretical, Black board
Aug	Unit-3 Phylum Cnidaria	Rajashree Mallick		
	General characters and classification up to classes; Polymorphism in Hydrozoa		2	Theoretical, Black board
	Polymorphism in Hydrozoa		1	Theoretical, Black board
	Unit-4 Phylum Platyhelminthes	Rajashree Mallick		
	General characters and classification up to classes;		2	Theoretical,
	Life history of <i>Taenia solium</i>		1	Theoretical, Black board,

	Unit-5 Phylum Nematoda	Chinmoy Ghosh		
	General characters and classification up to classes;		2	Theoretical, Black board
	Life history of <i>Ascaris lumbricoides</i> and its parasitic adaptations		1	Theoretical, Black board, provide notes
	Unit-6 Phylum Annelida	Chinmoy Ghosh		
	General characters and classification up to classes; Nephridia in Annelida		2	Theoretical, Black board
	Nephridia in Annelida		1	Theoretical, Black board
Sept	Unit 7 Phylum Arthropoda	Chinmoy Ghosh		
	General characters and classification up to classes; Vision in insect, Metamorphosis in Insects		2	Theoretical, Black board
	Vision in insect, Metamorphosis in Insects		1	Theoretical, Black board
	Unit-8 Phylum Mollusca	Chinmoy Ghosh		
	General characters and classification up to classes;	3	2	Theoretical, Black board, provide notes
	Respiration in <i>Pila</i>		1	Theoretical, Black board,
	Unit-9 Phylum Echinodermata	Subharaj Paul		
	General characters and classification up to classes;	4	2	Theoretical, Black board
	Water-vascular system in <i>Asterias</i>		1	Theoretical, Black board
	Unit-10 Protochordates	Subharaj Paul		
	General features; Feeding in <i>Branchiostoma</i>		2	Theoretical, Black board, notes
Oct	Unit-11 Agnatha	Subharaj Paul		
	General features and classification up to classes		2	Theoretical, Black board, notes
	Mid term examination			

	Puja Vacation 15th Oct- 11th Nov			
Nov	Unit-12 Pisces	Subharaj Paul		
	General features and Classification up to Subclasses		2	Theoretical, Black board
	Osmoregulation in Fishes		2	Theoretical, Black board
	Unit-13 Amphibia	Kumkum Kar		
	General features and Classification up to living orders (Duellman & Trueb, 1986);		2	Theoretical, Black board, notes
	Metamorphosis in Toad		1	Theoretical, Black board
Dec	Unit-14 Reptiles	Kumkum Kar		
	General features and Classification up to living Subclass		2	Theoretical, Black board
	Poisonous and non-poisonous snakes, Biting mechanism in snakes		2	Theoretical, Black board
	Unit-15 Aves	Kumkum Kar		
	General features and Classification up to orders		1	Theoretical, Black board, provide notes
	Flight adaptations in birds		2	Theoretical, Black board
	Unit-16 Mammals	Arpita Mondal		
	Classification up to Subclasses		2	Theoretical, Black board
	Origin & distribution of Cranial nerves in <i>Cavia</i>		2	Theoretical, Black board
	End-term Examination			
		Total	47 hours	

Resources :

1. Books: Barnes, R. D. & Ruppert, E. E., (1994). Invertebrate Zoology. 6thEd. Brooks Cole, Animal zoology B.Sc course (Bengali; Santra publication; Dev and Giri).
2. Other resources : Youtube animation links, Wikipedia, some ebooks

*Remarks will specify

- The nature of the class-topic (viz. Theoretical, Practical, and Tutorial).
- Methodology of teaching (whether using ICT, engaging students in group discussion, quiz etc. etc.)
- Different modes of assessment. (Please check UGC evaluation reforms)