



AGHOREKAMINI PRAKASHCHANDRA MAHAVIDYALAYA



Add on course on

Exploring Vertebrate Diversity in Tropical Region : A field course

ORGANIZED BY

DEPARTMENT OF ZOOLOGY

IN ASSOCIATION WITH

**IQAC, AGHOREKAMINI PRAKASHCHANDRA
MAHAVIDYALAYA**

COURSE TITLE: Exploring Vertebrate Diversity in Tropical Region : A field course

COURSE DURATION: 36 hours

COURSE OFFERED BY: Dept. of Zoology,
A.K.P.C Mahavidyalaya
Bengai, Hooghly

PARTICIPATING TEACHERS:

1. Prof. Azizur Rahaman
2. Prof. Soumyadip Bhui.
3. Prof. Munna Mandal

COURSE COORDINATOR: Prof: Soumyadip Bhui
(8436571197)

SYLLABUS:

Units	Topic	Hours
I	Introduction: Biodiversity, Biomes, Global pattern of biodiversity, Levels of biodiversity, Measuring biodiversity, Significance of biodiversity, Biodiversity hotspots and megadiversity country, Biodiversity: Indian perspective, Physiography of tropical region.	3
II	Ichthyofaunal diversity: an introduction to tropical freshwater fish diversity	2
III	Common herpetofauna and amphibian faunal diversity in tropical region.	2
IV	Introduction to tropical avian diversity; basic idea about the identification of the major avian groups, terrestrial and aquatic bird.	2

V	An introduction to mammalian diversity in tropical region.	2
VI	Environmental health status of tropical areas, reasons for environmental degradation in the tropics, Concept and strategies of conservation.	2
VII	Statistical techniques: Sampling method and basic exploratory data analysis.	2
VIII	Local fish market survey/interactions with the fishermen of river Dwarakeswar - Hooghly adjacent to campus area.	7
IX	Field trip in local area to explore vertebrate diversity and use of Camera, GPS, Binocular.	7
X	Visit to a Significant Wetland	7

PROGRAMME OUTCOME:

The basic objective of this course is

- to make the students aware about the patterns of diversity with in various biomes.
- learn the threats leading to declines in biodiversity. Students will be introduced to the theory & principles involved in conservation to protect natural environment & developed sustainable practices to meet human needs.

COURSE OUTCOME:

Students will experience, skills and insights through carrying out this course. Opportunities can often be found with animal welfare zoos, wild life Parks & conservation projects

MODE OF EVALUATION:

After the completion of course, written & practical examination will be taken for 50 & 30 marks respectively and a viva will be conducted for 20 Marks. On the basis of marks obtained for written examination and viva, the results will be prepared. The gradation system for the declaration of results will be as follows:

GRADING SYSTEM

Level	Excellent	Very Good	Good	Above Average	Average	Below Average	Poor	Fail
Grade	A+	A	B+	B	C	D	E	F
Marks range	90-100	80-89	70-79	60-69	50-59	40-49	33-40	0-32