



LEAD CITY UNIVERSITY, IBADAN
FACULTY OF BASIC MEDICAL & APPLIED SCIENCES
DEPARTMENT OF BIOLOGICAL SCIENCES
SECOND SEMESTER, 2018/2019 ACADEMIC SESSION
COURSE PARTICULARS

Course code: ZOO 214
Course Title : Chordates Zoology
No. Of Units : 2
Status : Compulsory

LECTURERS DETAILS

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Area of Specialization: Public-Health Parasitologist& Biologist.
Section A:

Introduction: A general look at the animals belonging to this group, their similarities, possible differences and reasons for their grouping.

Main Objective: An understanding of this course is to serve as prerequisite for other courses in higher classes as well as arm the students with the knowledge of the group to which himself belongs.

Teaching Plan:

Week 1: Chordates: Phylum, Features and Phylogeny
Week 2: Non Vertebrate Chordates: Tunicates
Week 3: Vertebrates: Characteristics and Evolution
Weeks4-5: Fishes
Weeks6-7: Class Amphibia
Weeks8-9: Class Reptilia
Weeks 10-11: Class Aves
Week 12: Class Mammalia
Week 13: Evolution and Zoogeography

Course Requirement/Assessment:

Continuous Assessment Test	40%
Terminal Examination	60%
Total	100%

Reading List:Principles of Zoology, 15th Edition.

Section B:**Tutorial Questions:**

1. a) Briefly explain the importance of the notochord.
b) Mention and explain the features which characterize the chordates.
2. Using a named example, describe the biology of non-vertebrate chordates.
3. a) Briefly explain why the name *amphibian* aptly describes the group of animals so called.
b) The successful invasion of land by vertebrates involved a number of major adaptations. Explain those adaptations in details.
4. (a) Explain the key characteristics of Reptiles. (b) Describe the four surviving orders of reptiles and explain their *other* important characteristics.
5. Do a detailed explanation of the adaptations which enable birds to cope with the heavy energy demands of flight.
6. (a) Describe the members of the order *Crocodylia*. (b) Explain the characteristics of living amphibians.
7. a) With the aid of a common example describe the group called '*metatharians*'.
b) What is the significance of the pouch in the life of the *metatharians*?
8. a) Mention five (5) examples of the group *Carnivora*. (b) Write briefly on the Carnivorans.
9. Do a detailed explanation of the adaptations which enable birds to cope with the heavy energy demands of flight.
10. Reptiles are better adapted to life on land than amphibians. Discuss.
11. Write freely on the general principle of *Evolution*.
- 12(a) Write extensively on the term *Zoogeography* (b) Outline six Zoogeographical regions of the world.