



LEAD CITY UNIVERSITY, IBADAN
Faculty of Sciences
Department of Microbiology/Biology

COURSE PARTICULARS

Courseware for Chordates (ZOO 214)2017/2018 Session
COURSE PARTICULARS

Course code: ZOO 214

Course Title : Chordates Zoology

No. Of Units : 2

Status : Compulsory

LECTURERS DETAILS

Name: Agboola, A.O

Qualifications: M.Sc., M.Phil (Parasitology)

Phone : 0810-968-6353

Email: agboolagunju@gmail.com

Area of Specialization: Zoology, Public Health Parasitology

Name : Adegbehingbe K.

Qualifications: Bsc. Biology , Msc. Zoology (Parasitology)

Phone : 08068043821

Email: giftsola2011@yahoo.com

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
Weeks 4-5: Fishes
Weeks 6-7: Class Amphibia
Weeks 8-9: 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:

CHORDATE ZOOLOGY (ZOO 214) TUTORIAL QUESTIONS

- Explain the term '*Cephalochordata*'. Give an example of a member of this group.
 - Mention and explain the characteristics of the Subphylum *Cephalochordata*.
- Fishes are obtained from the open market and you are asked to classify them into bony or cartilaginous. Describe the features that should aid your classification.
- State three major characteristics of *Gnathostomes*.
 - What is the main distinguishing feature of each of the three classes of fish?
- Differentiate between a crocodile and an alligator.
 - Mention and explain the basic features differentiating lizards from snakes.
- The Emu is the largest bird alive. Write extensively on this rare bird.
- List and explain the main mammalian features.

SECTION B

- With the aid of a common example describe the group called '*metatharians*'.
 - What is the significance of the pouch in the life of the *metatharians*?
- Mention five (5) examples of the group *Carnivora*.
 - Write briefly on the Carnivorans.
- Do a detailed explanation of the adaptations which enable birds to cope with the heavy energy demands of flight.

10. Write freely on the general principle of *Evolution*.
11. Reptiles are better adapted to life on land than amphibians. Discuss.
12. Write extensively on the term *Zoogeography*.