



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

COURSE PARTICULARS

Course code: BIO 118
Course title: General Biology Lab II
No. of Units: 1
Status: Compulsory

LECTURER DETAILS

Name: Dr. Adedapo O. Adeogun
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COURSE DESCRIPTION

The full extent of microscopy is covered. The general identification and biology of common living organisms are explained with the animals on display.

COURSE OBJECTIVES

1. To get the students familiar with the use of microscope.
2. Study the classification and characteristics of living organisms as well as their ecological adaptation
3. To be able to identify protozoa and plant parts studying their adaptations and features

ASSESSMENT

Coursework and attendance 40marks

Final Examination 60marks

LECTURE PLAN

WEEKS 1	Classification of living organisms; hierarchy of living organisms and their Nomenclature.
WEEK 2-3	Chordates: Rats and Mice (Mammals); Lizards and Snakes (Reptiles)
WEEK 4	Chordates (contd): Pigeon (Aves); Fishes (Tilapia and Catfish)
WEEK 5	Amphibians: Frogs and Toads; Coelenterates: Hydra, Corals
WEEK 6	Invertebrates: Porifera: Sponges, Starfish, Sea Urchins
WEEK 7	Platyhelminthes: Flukes, Tapeworms; Anthropoda: Cockroaches
WEEK 8	Molluscs: Giant Land Snail; Annelids: Earthworm, Leeches.
WEEK 9	Nematodes: Ascaris, Hookworm; Algae: Spirogyra
WEEK 10	Protozoa: Amoeba, Euglena, Paramecium
WEEK 11	Bryophytes
WEEK 12	Pteridophytes

READING LIST

- 1). Jordan E.L and Verma P.S (2006). Invertebrate Zoology. S. Chand and Company Ltd. New Dehli. India.

- 2). Taylor, Green and Stout (2005). Biological Science, Low-Priced Edition Cambridge University Press.
- 3). Hickman, Roberts, Keen, Eisenhour, Larson and l'Anson (2011). Integrated Principles of Zoology 15th Edition by McGraw Hill, New York.

