



LEAD CITY UNIVERSITY, IBADAN
Faculty of Basic Medical
Department of Biological Sciences

COURSE PARTICULARS

Course Title: Introduction to Nematology

Course Code: BIO 312

Lecturers:-

Name: Dr. B.A. Bamkefa

Qualification: B.Sc, M.Sc and Ph.D University of Ibadan. Nigeria

Phone number: 08035268612

Area of specialization: Botany, Phytopathology and Nematology

Course description: Principal characteristics of nematodes, morphology, position and outlines of classification of nematodes. Morphology and biology of important plant parasitic nematodes and their economic importance. Nematological techniques. General principles and methods of controlling nematodes.

Course Objectives: To ensure students know what nematodes are, anatomy, physiology, control, preservation of nematodes and detail structures of some nema/

Class attendance/ Tests and Assignments 40 marks

Final Examination 60 marks

Final 100 marks

LECTURE PLAN

Weeks 1 -3 Characteristics, Anatomy and classification

Weeks 4-5 Isolation techniques (soil and plant tissue), Preservation of nematodes, Histopathological studies

Week 6 Symptoms of nematodes on various crops

Week 7 Inter-relationships between nematodes and other pathogens

Weeks 8-10 Control of nematodes- Cultural, Physical, Biological, Chemical and IPM

Weeks 11- 14 Important nematodes and diseases e.g root knot, Cyst nematodes, *Pratylenchus* etc

Week 15 – Revision

Reading List

Agrios George N. Plant pathology 5th Edition