



THE FEDERAL UNIVERSITY OF TECHNOLOGY, AKURE

Department of Animal Production and Health

APH 201 - Introduction to Animal Production and Health

COURSE PARTICULARS

Course Code: APH 201

Course Title: Introduction to Animal Production and Health

No. of Units: 2

Course Duration: One hour of theory and three hours of practicals per week for 15 weeks.

Status: Compulsory

Course Email Address:

Course Webpage: aph201@futa.edu.ng

Prerequisite: NIL

COURSE INSTRUCTORS

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COURSE DESCRIPTION

Introduction to farm animals, their breeds and brief history of their origin. Modern production, management and health practices especially with respect to cattle, small ruminants (sheep and goats), swine, poultry and rabbits. Constraints to commercial production and concept of health maintenance in farm animals.

COURSE OBJECTIVES

The objectives of this course are to:

- introduce students to characterization of farm animals and their breeds;
- provide students with opportunities to develop basic skills with respect to modern production and management of farm animals.
- enable students have the knowledge of problems militating against commercial livestock production and importance of health maintenance in farm animals

COURSE LEARNING OUTCOMES / COMPETENCIES

Upon successful completion of this course, the student will be able to:

(Knowledge based)

- identify and characterise farm animal species and breeds;
- classify and describe farm operations;
- understand the purpose and functions of routine and occasional farm managements;
- carry out efficient storage management of farm products and marketing;

(Skills)

- Use the available farm equipment to:
 - Handle and manage farm animals
 - Practice farm hygiene

GRADING SYSTEM FOR THE COURSE

This course will be graded as follows:

Class Attendance	10%
Assignments	15%
Test(s)	15%
<u>Final Examination</u>	<u>60%</u>
<u>TOTAL</u>	<u>100%</u>

GENERAL INSTRUCTIONS

Attendance: It is expected that every student will be in class for lectures and also participate in all practical exercises. Attendance records will be kept and used to determine each person's qualification to sit for the final examination. In case of illness or other unavoidable cause of absence, the student must communicate as soon as possible with any of the instructors, indicating the reason for the absence.

Academic Integrity: Violations of academic integrity, including dishonesty in assignments, examinations, or other academic performances are prohibited. You are not allowed to make copies of another person's work and submit it as your own; that is plagiarism. All cases of academic dishonesty will be reported to the University Management for appropriate sanctions in accordance with the guidelines for handling students' misconduct as spelt out in the Students' Handbook.

Assignments and Group Work: Students are expected to submit assignments as scheduled. Failure to submit an assignment as at when due will earn you zero for that assignment. Only under extenuating circumstances, for which a student has notified any of the instructors in advance, will late submission of assignments be permitted.

Code of Conduct in Lecture Rooms and Laboratories: Students should turn off their cell phones during lectures. Students are prohibited from engaging in other activities (such as texting, watching videos, etc.) during lectures. Food and drinks are not permitted in the laboratories.

READING LIST

1Williamson, G and Payne, W.J.A (1978) An introduction to animal husbandry in the tropics. The

English Language Book Society and Longmans, USA. 755p

2Devendra, C and Fuller, M.F. (1979) Pig Production in the Tropics. Oxford University Press,

Walton Street, Oxford OX2 6DP.172p

Oluyemi, J.A. and Roberts, F.A, (1981) Poultry Production in Warm Wet Climates,. Macmillan Press Ltd, London, 197p

Legend

- 1- Available in the University Library
- 2- Available in Departmental/School Libraries
- 3- Available on the Internet.
- 4- Available as Personal Collection
- 5- Available in local bookshops.

COURSE OUTLINE

Week	Topic	Remarks
1	Introduction and Course Overview: <ul style="list-style-type: none"> • Brief history of animals’ domestication; • Roles and limitations of livestock industries; • Feeds and Feeding; • Farm record keeping and • Terminologies 	During this first class, the expectation of the students from the course will also be documented.
2	Beef cattle production <ul style="list-style-type: none"> • Origin and breeds of beef cattle • Rearing management practices and Housing • Feeds and Feeding • Feedlot operations • Marketing and beef production 	Students will be taught how to carry out animal fattening
3	Sheep production <ul style="list-style-type: none"> • Types of breeds • Origin and sheep domestication • Rearing management practices and Housing • Feeds and Feeding • Feedlot operations • Marketing and mutton production 	Students will be exposed to different breeds of sheep, visit reputable sheep farms to have knowledge of sheep management and to compare performance of animals kept under intensive care and free range
4	Goat production <ul style="list-style-type: none"> • Origin and breeds of beef cattle • Rearing management practices and Housing • Feeds and Feeding 	. Students will be exposed to different breeds of goats, visit reputable goat farms to have knowledge of sheep management and to compare performance of animals kept under intensive care

	<ul style="list-style-type: none"> • Feedlot operations • Marketing and chevon production 	and free range
5	Field practicals	Students will be divided into groups to carry out farm operations
		MID-SEMESTER TEST
6	Pig production <ul style="list-style-type: none"> • Breeds and breeding • Rearing management practices and Housing • Feeds and Feeding • Fattening schemes • Marketing and pork production 	Students will be exposed to different breeds of pigs, visit reputable pig farms to have knowledge of pig management and to carry out pig fattening

7	Poultry production <ul style="list-style-type: none"> • Breeds and breeding • Rearing management practices and Housing • Feeds and Feeding • Farm hygiene/ biosecurity • Handling and marketing poultry products 	Students will be exposed to different breeds of poultry birds, visit reputable poultry farms to have knowledge of procedures involved in brooding, rearing management, egg production and sales of poultry meat and eggs.
8	Rabbitry <ul style="list-style-type: none"> • Origin and breeds of rabbit • Rearing management practices and Housing • Feeds and Feeding • Marketing and white meat production 	Students will be exposed to different breeds of rabbits, visit reputable rabbit farms and practice rabbit handling.
9	Practicals	<ul style="list-style-type: none"> • Students will be divided into groups to handle and manage farm animals • Mid-semester Test
10&11	Breeding and Genetics: <ul style="list-style-type: none"> • Basic principles of breeding and genetics • Methods of selection • Application of Mendel Laws in animal breeding 	Student will be exposed to practices of selection and its application in animal improvement
12&13	Health Practices and Management <ul style="list-style-type: none"> • Pests and Parasites 	Students will be exposed to diseases and pest control, visit livestock farms and meat

	<ul style="list-style-type: none"> • Common diseases of ruminants, poultry, pig and rabbit • Routine and occasional management practices • Public health and hygiene 	processing places. Carry out farm operations that involve biosecurity
14	Practicals and Test	Mid semester test
15	REVISION	This is the week preceding the final examination. At this time, evaluation will be done to assess how far the students' expectations.