



**FEDERAL UNIVERSITY OF AGRICULTURE, ABEOKUTA (FUNAAB)
CENTRE OF EXCELLENCE IN AGRICULTURAL DEVELOPMENT AND SUSTAINABLE ENVIRONMENT (CEADESE)**

**INTERNATIONAL SHORT COURSE AND CAPACITY BUILDING ON INTEGRATED AGRICULTURAL PRODUCTION AND
MANAGEMENT FOR FARMERS AND YOUTHS AROUND NIGERIA AND BENIN REPUBLIC BORDER, IWOYE-KETU, OGUN
STATE FROM MONDAY 18TH – FRIDAY 22ND MARCH, 2019**

COURSE CONTENT FOR SHORT COURSE

POULTRY (BROILER) PRODUCTION AND MANAGEMENT MODULES

Module 1: Overview of Poultry production in developing and under developed Countries:
Importance and Challenges

Module 2:

- Types of Poultry
- Broiler Chicken Production: History, Types and Strains

Module 3: Management of Broiler Chicken:

- Site selection, housing and equipment
- Brooding Management
- Feeds and Feeding Management
- Water Management
- Litter Management

Module 4 : Health Management in Broiler Chicken:

- Medication and vaccination
- Rules of thumb for vaccination
- Bio-security issues in broiler production

Module 5 : Broiler Chicken Products and Marketing:

- Primary and Secondary Products
- Marketing: Channels, Information and Strategies

Module 6: Records Keeping in Poultry Production

FISH PRODUCTION AND MANAGEMENT MODULES

MODULE 1

INTRODUCTION TO FISHERIES DEVELOPMENT

- Definition of Fish Farming
- Importance of Fish farming
- Identification of important fishes in Nigeria suitable for culture
- Obstacles of Fish Farming
- Hazards and Challenges involved in Fish Farming Business
- Types of Production Methods used in Aquaculture

MODULE 2

FISH FARM DESIGN AND CONSTRUCTION

- Fish farm site selection
- Different types of fish ponds and their designs
- Mapping and Pegging
- Construction of Earthen fish pond, Concrete tanks, Vats, Cages, etc
- Material estimates for fish enclosure (Concrete tanks and vats) construction.

MODULE 3

FISH POND PREPARATION

- Neutralization/Liming
- Types of liming: Organic and Inorganic
- Pond medium impoundment and monitoring of water quality
- Fertilization/Manuring
- Types of fertilizer: Organic and Inorganic
- Mode of application

MODULE 4

POND STOCKING

- Identification of culturable fish species
- Stocking density
- Precautions to be taken in fish stocking
- Monitoring of fish status

MODULE 5

FISH NUTRITION

- Identification of mode of feeding in stocked fish (carnivorous, herbivorous and omnivorous)
- Examples of each types of mode of feeding in stocked fish.
- Classes of food
- Fish feed ingredients
- Organic feeding, use of live feeds such as maggot, termite, earthworm, etc
- Techniques of live feed production
- Application of fish feeds (Conventional and live feeds)

MODULE 6

FISH FARM MANAGEMENT

- Water quality management
- Fish enclosure management
- Fish management
- Fish sampling
- Fish feed management
- Predators prevention and control

MODULE 7

FISH HEALTH MANAGEMENT

- Identification of causative organism
- Causes of fish diseases
- Symptoms of sick fish
- Treatment of fish diseases
- Prevention and control of fish diseases

MODULE 8

FISH FARM RECORD KEEPING

- Farm account
- Cash and non-cash records

MODULE 9

MARKETING IN FISHERIES BUSINESS

MODULE 10:

HOW TO SUCCEED AS A FISH FARMER