

**NIGERIAN INSTITUTE OF ANIMAL SCIENCE**

**2018 CALENDAR FOR TRAINING COURSES**

<b>Code</b>	<b>Courses</b>	<b>Venue</b>	<b>Date</b>	<b>Fee (₦)</b>
OIA/NIAS 1	Introduction to Bee Keeping	Oyo	15th-19th, January	₦25,000
OIA/NIAS 2	Introduction to Fishing	Oyo	22nd-26th, January	₦80,000
OIA/NIAS 3	Poultry Enterprise Management	Oyo	19th-23rd, February	₦50,000
<b>NIAS/T/001</b>	Practical Techniques for Effective Pig Production	Ibadan	18th-20th, April.	₦20,000
<b>NIAS/T/002</b>	Entrepreneurship Development and Management Skills on Animal Productions for the Youth and Retirees “Investment Opportunities in Livestock Production in Nigeria”	Abuja	25th-27th, April	₦30,000
OIA/NIAS 4	Honey Production and Management	Oyo	19th-23rd, March	₦25,000
OIA/NIAS 5	Sheep and Goat Enterprise Management	Oyo	9th-13th, April.	₦25,000
OIA/NIAS 6	Commercial Pasture Enterprise	Oyo	16th-20th, April	₦25,000
OIA/NIAS 7	Swine Enterprise Management	Oyo	23rd-27th, April.	₦25,000
<b>NAIS/T/003</b>	Feasibility Study, Proposal Writing, Loan Accessment and Recovery Management for Livestock Producers	Anambra	9th-11th, May	₦15,000
<b>NIAS/T/004</b>	Mitigating Farmers-Pastoralists Clash and Cattle Rustling through Commercial Pasture Production (CPP)	Katsina	29th-31st, May	₦20,000
<b>NIAS/T/005</b>	Training of Women as Propellers of Poultry Value Chain	Ogun	17th-19th, May	₦15,000
OIA/NIAS 8	i. Catfish Seed Multiplication Enterprise Management ii. Tilapia Seed Multiplication Enterprise Management	Oyo	1st-31st, May	₦80,000
<b>NIAS/T/002</b>	Practical Techniques for Effective Pig Production	Abia	13th-15th, June	₦20,000
OIA/NIAS 9	Aquaponics	Oyo	18th-22nd, June	₦80,000
OIA/NIAS 10	Cattle Enterprise Management	Oyo	25 <sup>th</sup> -29 <sup>th</sup> , June	₦25,000
<b>NIAS/T/006</b>	Productive and sustainable Snail Farming	Oyo	19 <sup>th</sup> -21 <sup>st</sup> , June	₦15,000
OIA/NIAS 11	Food Fish Enterprise	Oyo	23rd-27th, July	₦80,000
<b>NIAS/T/002</b>	Practical Techniques for Effective Pig Production	Benue	25th-27th, July	₦20,000
OIA/NIAS 12	Catfish and Tilapia Processing Enterprise	Oyo	13th- 17th, August	₦80,000

<b>NIAS/T/007</b>	Optimizing Reproductive Techniques in Livestock Production	Rivers	28th-30th, August	₦20,000
OIA/NIAS 8	i. Catfish Seed Multiplication Enterprise Management ii. Tilapia Seed Multiplication Enterprise Management	Oyo	1st-29th, September	₦80,000
<b>NIAS/T/008</b>	Feedstuff Audit and Feed Management for Reduced Cost in Poultry Production	Enugu	11 <sup>th</sup> -13 <sup>th</sup> , September	₦15,000
<b>NIAS/T/009</b>	Processing of Animal Products and By-Products for Value Addition and Traceability	Taraba	26th-28th, September	₦20,000
OIA/NIAS 13	Poultry Enterprise management	Oyo	15th-19th, October	₦50,000
<b>NIAS/T/005</b>	Training of Women as Propellers of Poultry Value Chain	Anambra	24th-26th, October	₦15,000
OIA/NIAS 12	Leather Enterprise	Oyo	22nd-26 <sup>th</sup> , October	₦25,000
<b>NIAS/T/004</b>	Mitigating Farmers-Pastoralists Clash and Cattle Rustling through Commercial Pasture Production (CPP)	Benue	29th-31st, October	₦20,000
<b>NIAS/T/010</b>	Poultry Hatchery Management	Oyo	6th-8th, November	₦25,000
OIA/NIAS 13	Cane Rat Enterprise Management	Oyo	12th-16th, November	₦25,000
OIA/NIAS 14	Snail and Rabbit Enterprise Management	Oyo	19th-23rd, November	₦25,000
<b>NIAS/T/005</b>	Training of Women as Propellers of Poultry Value Chain	Abuja	27th-29th, November	₦15,000
<b>NIAS/T/011</b>	Fish Feed Management	Rivers	3rd-5th, December	₦20,000
<b>NIAS/T/012</b>	Abattoir Management	Kano	10th-12th, December	₦20,000

Training courses with 'NIAS/T codes' are organized by Nigerian Institute of Animal Science while Training courses with codes OIA/NIAS are organized by OFFER Center Institute of Agriculture in collaboration with Nigerian Institute of Animal Science.

**Target Audience:** Youths and women with passion in agriculture; pre-retirees and retirees prospective farmers; agric. initiative and cooperative groups; agric. entrepreneurs; State and Local Governments officers, academia, students, religious, groups, etc.

For further enquires call: 09066288719; E-mail: edu.training.nias@gmail.com

**We give you the best practices of Animal Production for optimum yield and maximum profits**

## How to Apply

### Procedures of Payment into the Nigerian Institute of Animal Science (NIAS) Account

Payer can:

- i. Enter the remita web address, ***www.remita.net***
- ii. Click on **“Pay a Federal Government Agency”** on the icons displayed
- iii. On the Name of MDA, write **“Nigerian Institute of Animal Science” or 021503600100**
- iv. On the Name of Service/Purpose write **‘Training’**
- v. On Training, write the amount
- vi. Fill all the fields on the templates, with emphasis on the fields with asterisks.
- vii. Then, fill the text character and submit.
- viii. The system generates a unique transaction ID known as Remita Retrieval Reference (**RRR**) for the payer. The RRR is used to make payment via any Commercial Bank.
- ix. The RRR number and/or Teller number should be indicated in the **Application Form** below:



# **NIGERIAN INSTITUTE OF ANIMAL SCIENCE**



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## **ONLINE TRAINING APPLICATION FORM**

Name of Participant: .....

Gender..... Occupation.....

Organization..... State of Origin.....

Contact Address.....

.....

Phone Number..... Email .....

Course Applied .....

Course Code..... Amount Paid..... Teller/RRR No: .....

**Note:** Please, send the filled copy of the form to: [edu.training.nias@gmail.com](mailto:edu.training.nias@gmail.com) for further processing

## **PRACTICAL TECHNIQUES FOR EFFECTIVE PIG PRODUCTION (NIAS/T/001)**

**PREMISE:** Pig management is the ability to coordinate feeding, breeding, health care, design of facilities, use of labour, marketing and other relevant practices to yield maximum profit for the enterprise. Pig production is profitable enterprise because pigs are prolific, resistant to diseases and fast-growing farm animals with high demand in markets as lean pork. Today, most pig farmers struggle to get back their working capital instead of realizing huge profit. This is because they fail to equip or adopt relevant skills/techniques necessary for effective production.

**OBJECTIVES:** This course is therefore designed to equip participants on modern practices to obtain great yield and profit within short-term of production. At the end of the course, participants should be able to:

- i. Identify the relevant breeds suitable for production;
- ii. Manage boars, sows, piglets, weaners;
- iii. Carry out successful AI, Estrous Synchronization and Superovulation in pigs; and
- iv. Process and market pig products and by-products;

### **CONTENTS**

- i. Breeds of Pigs;
- ii. Housing and Equipment Requirement for Pig Production;
- iii. Practices for Effective Reproduction in Pig Productions;
- iv. Pig Products and by-product Management; and
- v. Waste Management.

**TRAINING METHODS:** Lectures, group discussions, case studies and study visit.

**TARGET AUDIENCE:** Interested officers in both public and private service, prospective pig farmers, agricultural extension officers, pre-retirees, retirees, agric. Initiative organizations, entrepreneurs, cooperators, youths and women with passion in pig production etc.

**FIRST TRAINING: Duration:** 3days **Date:** 18th-20th April, 2018 **Venue:** Ibadan, Oyo State.

**SECOND TRAINING: Duration:** 3days **Date:** 13th -15th June, 2018 **Venue:** Abia State.

**THIRD TRAINING: Duration:** 2days 3 **Date:** 25th -27th July, 2018 **Venue:** Rivers State.

**FEES:** ₦20, 000.00 per participant

## **ENTREPRENEURSHIP DEVELOPMENT AND MANAGEMENT SKILLS ON ANIMAL PRODUCTION FOR THE YOUTH AND RETIREES “INVESTMENT OPPORTUNITIES IN LIVESTOCK PRODUCTION IN NIGERIA” (NIAS/T/002)**

**PREMISE:** Most pre-retirees in civil service are reluctant to go on retirement because of some unpleasant challenges their predecessors (retirees) are passing through at home. These challenges adversely affect all areas of their lives especially in their finances. Youths are also not left out of these challenges because they are left with very little or no government/public jobs. This has caused huge loss of human resources derived from these populous groups (retirees and youths) in Nigeria and also great loss to Nigerian economy. To address these issues, Nigerian retirees and youths should begin to think out the box by grabbing opportunities lying abundantly in agricultural sector especially in livestock production for self-development and enrichment which will contribute immensely to national development.

**OBJECTIVES:** This course is therefore designed to equip retirees and youths with the knowledge and skills on investment opportunities in livestock production in Nigeria. At the end of the course, participants should be able to:

- i. Identify the relevant opportunities in livestock productions;
- ii. Acquire skills of production management in livestock productions;
- iii. Produce good records/reports;
- iv. Processes and market of livestock products; and
- v. Prepare business plans on livestock production;

### **CONTENTS:**

- i. Investment Opportunities in Livestock Production in Nigeria;
- ii. Proposal and Feasibility Preparation on Livestock Production;
- iii. Livestock Production Management Skills; and
- iv. Loan Assessment and Management

**TRAINING METHODS:** Lectures, group discussions, case studies and study visit.

**TARGET AUDIENCE:** **TARGET AUDIENCE:** Retirees, pre-retirees, youths and other interested individual/groups like agric. extension officers, prospective farmers, agric. entrepreneurs, local and state governments etc.

**DURATION:** 3 days

**DATE:** 25th – 27th, April, 2018

**VENUE:** Abuja

**FEES:** ₦30,000.00 per trainee

**FEASIBILITY STUDY, PROPOSAL WRITING, LOAN ASSESSMENT AND RECOVERY MANAGEMENT FOR LIVESTOCK PRODUCERS (NIAS/T/003)**

**PREMISE:** Feasibility study and proposal writing are very relevant business approaches that facilitate the growth of investment important. This is because they provide a better basis for decision-making in business design, implementation and transparency at all levels. Loan management is also a vital promoter in all kinds of investment. However, investors may run into bankruptcy or liquidation, if these tools were wrongly managed. Today, most livestock investors in Nigeria have suffered such financial doom while very few skilled investors have taken advantages of these tools to generate more employment opportunities. Therefore, livestock investors should not only focus on technical-know-how to break-even but also prepare ahead of their business goals by considering these scenarios.

**OBJECTIVES:** This course is designed to train interested participants on feasibility study, proposal preparation and loan management for small and medium livestock producers. At the end of the course, participants should be able to:

- i. Carry out feasibility study on livestock production in Nigeria;
- ii. Prepare proposal for livestock production;
- iii. Access agricultural loans from designated organizations in Nigeria;
- iv. Manage loan invested in livestock business with dividends; and
- v. Manage all scales of livestock business.

**CONTENTS**

- i. Feasibility Study in Livestock Business;
- ii. Proposal Writing in Livestock Business;
- iii. Loan Assessment and Management; and
- iv. Livestock Production and Management.

**TRAINING METHODS:** Lectures, group discussions, case studies and study visit.

**TARGET AUDIENCE:** Prospective farmers, agricultural extension officers, feed millers, pre-retirees and retirees, officers in Federal, State Local Governments, officers in agricultural programmes (like ADP, FADAMA, N-Power, Research Institutes NGOs), Agric. initiative and Cooperative groups, agric. entrepreneurs, academia, students, youths and women with passion in agro-business, religious groups; etc.

**DURATION:** 3days

**DATE:** 9th-11th May, 2018

**VENUE:** Anambra State

**FEES:** ₦15, 000.00 per trainee

## **MITIGATING FARMERS-PASTORALISTS CLASH THROUGH COMMERCIAL PASTURE PRODUCTION (CPP) (NIAS/T/004)**

**PREMISE:** Resource-based conflicts between pastoralists and farmers have become a major source of concern in Nigeria. These incessant conflicts have drastically affected the livelihoods of both pastoralists and farmers as loss of livestock and interruptions of farming activities have been recorded. The root-cause of this persistent conflict lies in the paucity of mainly pasture and water. The impact of climate change in the form of desertification, declining water points and loss of foliage (in places like Lake Chad) coupled with increasing human and livestock populations has intensified competition over scarce land and water resources. These prompted the jostle for grazing land and watering points for cattle, against farmlands, thus creating this ugly scenario that demands urgent attention.

**OBJECTIVES:** This course is designed to address these incessant conflicts by encouraging crop and animal farmers to Commercial Pasture Production (CPP) to generate more income and bring harmony to both groups. At the end of the course, participants should be able to:

- i. Identify quality pastures;
- ii. Cultivate pasture in commercial scale;
- iii. Process pastures into hay and silage; and
- iv. Market processed pastures (hay and silage)

### **CONTENTS**

- i. Identify challenges associated to Nomadic Cattle Production and mitigation.
- ii. Commercial Pasture Production; and
- iii. Processing, Storage, Marketing of Pasture;

**TRAINING METHODS:** Lectures, group discussions, case studies and study visit.

**TARGET AUDIENCE:** Prospective farmers, agricultural extension officers, agric. officers in Federal, State and Local Governments, officers in agricultural programmes ADP, FADAMA, N-Power etc. and research institutes, NGOs, religious groups, Agric. initiative and cooperative groups, agric. entrepreneurs, academia, students, youths and women with passion in agriculture, etc.

**FIRST TRAINING: Duration:** 3days, **Date:** 29th-31st May, 2018, **Venue:** Katsina State

**SECOND TRAINING: Duration:** 3days, **Date:** 29th-31st October, 2018, **Venue:** Benue State

**FEES:** ₦20, 000.00 per participant



## **TRAINING OF WOMEN AS PROPELLERS OF POULTRY VALUE CHAIN (NIAS/T/005)**

**PREMISE:** Fabiyi et al (2007) reported that women have been found to contribute about 60% of labour force; produce 80% of food and earn 10% of the money income, but own only 1% of the farm assets recorded in Nigeria. This is because; their level of agricultural operations is constrained by policies, beliefs, tradition, social and family status, and most importantly agricultural technologies. This assumption has also shown gender inequality in Nigerian agriculture where women work for men enrichment. Today, women are seriously deprived of credit inputs, information, communication, innovations and education in Nigerian agricultural sector. This has kept most women jobless, poor and derailed. Therefore, to exploit the resource of women in Nigeria, they should be empowered into various prospects of agriculture especially in poultry production where they are variable propellers. This, in tune, will elude the state of women marginalization in agriculture and also better the lives of women in Nigeria.

**OBJECTIVES:** This course is designed to train and equip women into various aspects of poultry business. At the end of the course, participants should be able to:

- i. Engage into poultry business;
- ii. Manage broiler, layer and turkey productions at small and medium scales;
- iii. Process and market poultry products like eggs, processed chicken etc;
- iv. Keep good records of all activities involved in poultry production;
- v. Mitigate risks associated in poultry business; and
- vi. Form a network for market linkages.

### **CONTENTS**

- i. Roles of Women in Poultry Production;
- ii. Practicable Prospects of Poultry Productions in Nigeria;
- iii. Processing and Marketing of Poultry Products; and
- iv. Qualities of Good Poultry Manager.

**TRAINING METHODS:** Lectures, group discussions, case studies and study visit.

**TARGET AUDIENCE:** Females from agricultural extension organizations viz: ADP, FADAMA, N-Power; feed mill industries, federal, state and local governments, cooperatives, town unions and religious groups. Women that are pre-retirees, retirees, entrepreneurs, academia, students, youths and local farmers/traders with passion in rearing birds.

**FIRST TRAINING: Duration:** 3days **Date:** 17th-19th May, 2018 **Venue:** Ogun State

**SECOND TRAINING: Duration:** 3days **Date:** 24th-26th October, 2018 **Venue:** Anambra State

**THIRD TRAINING: Duration:** 3days **Date:** 27-29 November, 2018 **Venue:** Abuja

**FEES:** ₦20, 000.00 per trainee

### **PRODUCTIVE AND SUSTAINABLE SNAIL FARMING (NIAS/T/006)**

**PREMISE:** Snail farming (heliculture) is a potentially lucrative business. It provides a sustainable solution to some economic, nutritional and health challenges through economic empowerment, self-employment and rural development. Snail farming is an environment- friendly practice requiring little capital and space to start and can be combined with other agro-businesses. Snail market price is generally high compared to other meat because of its high nutritive and medicinal (as antidote) values. Despite these advantages, most farmers still fail to invest in snail farming due to gap on technical skills required and thereby demand to bridge the skill-gap.

**OBJECTIVES:** This course is therefore designed to equip participants on practical skills in productive and sustainable snail production. At the end of the course, participants should be able to:

- i. Design and construct snail farms
- ii. Identify the relevant breeds suitable for production;
- iii. Carry out breeding practices;
- iv. Effectively manage snail production;
- v. Process and market snail products and by-products; and
- vi. Properly feed snails;

### **CONTENTS**

- i. Breeds of Snails;
- ii. Housing and Equipment Requirement for Snail Production;
- iii. Practices for Effective Snail Reproduction;
- iv. Snail Products and by-product Management; and
- v. Snail Feeding and Nutrition Management.

**TRAINING METHODS:** Lectures, group discussions, case studies and study visit.

**TARGET AUDIENCE:** Interested officers in both public and private service, prospective snail farmers, agricultural extension officers, pre-retirees, retirees, agric. initiative, entrepreneurs, cooperators, youths and women with passion in snail production etc.

**DURATION:** 3days

**DATE:** 19th -21st, June, 2018

**VENUE:** Ibadan, Oyo State

**FEES:** ₦15, 000.00 per participant

## **OPTIMIZING REPRODUCTIVE TECHNIQUES IN LIVESTOCK PRODUCTION (NIAS/T/007)**

**PREMISE:** Infertility, dystocia (difficulty in delivery), offspring abnormalities, stillbirth, high rate of offspring mortality and other related failures/difficulties in livestock reproduction are very important challenges that required attention for effective reproduction and production of livestock.

**OBJECTIVES:** This course is therefore designed to equip participants on safety techniques to prevent these reproductive failures in livestock production. At the end of the course, participants should be able to:

- i. Identify relevant breeds;
- ii. Properly manage various type of natural mating;
- iii. Collect, extend and evaluate semen;
- iv. Carry out successful artificial insemination using the various methods,
- v. Carry out successful estrous synchronization and superovulation;
- vi. Assist animals during parturization especially in the case of dystocia; and
- vii. Properly manage lactating animals and their offsprings.

### **CONTENTS**

- i. Breeds of Livestock;
- ii. Reproductive Techniques in Male Animals;
- iii. Reproductive in Techniques in Female Animals; and
- iv. Failures in Reproduction in Livestock.

**TRAINING METHODS:** Lectures, group discussions, case studies and study visit.

**TARGET AUDIENCE:** Prospective farmers, agricultural extension officers, officers in federal, state and local governments, officers in ADP, FADAMA, research institutes, NGOs, pre-retirees, retirees, youths, women with passion in agriculture, cooperative groups, agric. entrepreneurs, academia, students etc.

**DURATION:** 3days

**DATE:** 28th-30th August, 2018

**VENUE:** Rivers State

**FEES:** ₦20, 000.00pertrainee

## **FEEDSTUFF AUDIT AND FEED MANAGEMENT FOR REDUCED COST IN POULTRY PRODUCTION (NIAS/T/008)**

**PREMISE:** Feed management is a very vital concept required for the sustenance of poultry production. Poultry feed alone consist about 70% of production cost in poultry business, this demand serious attention. Feeding in poultry production required skilled management to audit and provide series of diets with required nutrients to achieve optimum requirements for maintenance, growth, reproduction, and/or production of products (meat, eggs, and milk) at a very low cost for optimal income. Therefore, for poultry investors to get these aforesaid benefits, skilled management practices on storage and handling of feedstuffs/feeds, feed formulation, feed processing, feed toxicity mitigation, feeding regimes, feed supplements, etc. should be acquired.

**OBJECTIVES:** This course is therefore designed to train participants with relevant knowledge and skills of feed management practices necessary to boost the production and income. At the end of the course, participants should be able to:

- i. Identify the various feedstuffs and their prospective nutrient values;
- ii. Prepare the various types of feeds;
- iii. Properly store feedstuffs/feeds;
- iv. Prevent and/or treat feed toxicity; and
- v. Manage feed mill industries.

### **CONTENTS**

- i. Challenges of feed industries in Nigeria;
- ii. Feed Management Practices;
- iii. Feedstuff Audit Management in Poultry;
- iii. Feeding Techniques in Poultry;
- iv. Toxicity Management in Feed Production; and
- v. On-farm and Commercial Feed Production Management,

**TRAINING METHODS:** Lectures, group discussions, case studies and study visit.

**TARGET AUDIENCE:** Prospective farmers, agricultural extension officers, feed millers, pre-retirees and retirees, officers in federal, state, local governments, officers in ADP, FADAMA, N-Power, research Institutes, NGOs, religious groups; Agric. initiative and cooperative groups, agric. entrepreneurs, academia, students, youths and women with passion in poultry production, etc.

**DURATION:** 3days

**DATE:** 11th-13th September, 2018

**VENUE:** Enugu State

**FEES:** ₦15, 000.00 per participant

## **PROCESSING OF ANIMAL PRODUCTS AND BY-PRODUCTS FOR VALUE ADDITION AND TRACEABILITY (NIAS/T/009)**

**PREMISE:** In recent years, processing of animal products and by-products has become a greater challenge to public health because of the issue of food safety, environmental hazards and economic loss to most Nigerians. These have reflected in the demand for more information on bio-technologies in order to harness these products to improve their nutritional values for good health and income generation in a healthy environment for mankind.

**OBJECTIVES:** This course is therefore designed to train participants with relevant knowledge and skills necessary to boost the production and utilization of animal products and by-products with a view to ensuring the production of safe animal foods and raw materials to the populace. At the end of the course, participants should be able to:

- i. Identify the various products and by-products of animal origin and their importance;
- ii. Adopt the recommended methods of quantifying, processing, preserving and storing products and by-products from animals in order to improve their quality, shelf-life and marketability;
- iii. Generate income for practitioners;
- iv. Minimize environmental pollution caused by products of animal origin; and
- v. Equipped with basic skills required to manage animal products and by-product processing plant.

### **CONTENTS**

- i. An overview of animal products and by-products in Nigeria
- ii. Challenges of processing animal products and by-products
- iii. Basic processing, preserving and storage techniques of animal products;
- iv. Processing Plant Management; and
- v. Loan and Capital Management on Processing Investment

**TRAINING METHODS:** Lectures, group discussions, case studies and study visit.

**TARGET AUDIENCE:** Prospective farmers, agricultural extension officers, feed millers, pre-retirees and retirees, officers in Federal, State Local Governments, officers in ADP, FADAMA, N-Power, research Institutes, NGOs, religious groups; Agric. initiative and cooperative groups, agric. entrepreneurs, academia, students, Youths and Women with passion in Agriculture, etc.

**DURATION:** 3days

**DATE:** 26th-28th September, 2018

**VENUE:** Taraba State

**FEES:** ₦20, 000.00 per trainee

## **POULTRY HATCHERY MANAGEMENT (NIAS/T/010)**

**PREMISE:** In recent years, many changes in technologies have been introduced in hatchery industries, such as computer monitoring incubators and sexing machines among others. This development has brought automation of day-to-day hatchery operations. Based on these, hatchery workers are expected to key to these innovations so as to enhance efficiency in production of healthy chicks to Nigerian poultry farmers. Therefore, guidance is required in all prospects of hatchery operations ranging from parent stocks management, egg screening, incubation and hatchery operations, sexing, chicks screening to chicks delivery.

**OBJECTIVES:** This workshop is aimed at equipping participants with the relevant knowledge and skills on effective poultry hatchery management. At the end of the course, participants should be able to:

- i. Identify quality parent birds for breeding;
- ii. Screen out sick and abnormal fertile eggs from the normal ones;
- iii. Acquaint operators with the operations of incubation in manual, automated and computerized production of day old chicks (DOCs)
- iv. Carry out sexing of a day-old chick
- v. Properly administer recommended medication and vaccination schedule; and
- vi. Successfully package, transport and market hatched chicks

### **CONTENTS:**

- i. Challenges associated with Hatchery Industries in Nigeria;
- ii. Management of Parent-Stocks in Hatchery Industry;
- iii. Practical Protocols for Effective Production of Chicks; and
- iv. Marketing and Transportation of Chicks.

**TRAINING METHODS:** Lectures, group discussions, case studies and study visit.

**TARGET AUDIENCE:** Hatchery workers, agric. extension officers, retiree, pre-retirees, officers from ADP, FADAMA, N-Power, Research Institutes and NGOs, cooperatives societies, religious groups Academia, youths, Corps members and students.

**DURATION:** 3 days

**DATE:** 6th – 8th November, 2018

**VENUE:** Oyo State

**FEES:** ₦25, 000.00 per trainee

## **FISH FEED MANAGEMENT (NIAS/T/011)**

**PREMISE:** In fish farming, feed costs account for about 60-70 percent of production costs which has been the major challenge to fish farmers to maximize profit. These prompt most commercial fish farmers to go into on-farm fish feed production with aim of reducing cost of production to achieve higher profit margin. Yet, this profit targets were not achieved because feeds produced were not properly compounded to enhance fish performance for production and reproduction.

**OBJECTIVES:** This course is therefore designed to train fish farmers on various techniques of producing improved fish feeds using local feedstuffs and machines. This training also aimed to equip participants with relevant knowledge and skill necessary for facilitating the enterprise of fish farmers. At the end of the course, participants should be able to:

- i. Identify fish feedstuffs with their corresponding nutritive values;
- ii. Identify and source feedstuffs found within locality;
- iii. Acquaint practitioners with various mashes of fish feed;
- iv. Teach the extrusion technology (floating feed production);
- v. Manage feeding activities in fish farms; and
- vi. Manage the challenges of microbial activities in fish feed production.

### **CONTENTS:**

- i. An overview on Importance and Constraints of the fish farming in Nigeria;
- ii. Sourcing and Evaluation of fish feedstuffs in Nigeria;
- iii. Fish Feed Management and Production i.e. extrusion; and
- iv. Practical Approaches of Fish Farming in Nigeria.

**TRAINING METHODS:** Lectures, group discussions, case studies, practical feed production and study visit.

**TARGET AUDIENCE:** Feed Millers, fish farmers, interested farmers, officers in agricultural programs like ADP, FADAMA, N-power, research Institutes, retirees, pre-retirees, cooperatives societies, academia, youths, students, national youth corps members, etc.

**DURATION:** 3 days

**DATE:** 3rd-5th December, 2018

**VENUE:** Rivers State

**FEES:** ₦20, 000.00 per participant

## **ABATTOIR MANAGEMENT (NIAS/T/012)**

Abattoir is the facility for the slaughtering of farm animals to supply meat for human consumption. The slaughtering of animals as it is being done in most places in Nigeria is on slaughter slabs that are poorly managed with cracks which contain blood, meat and effluents that cannot be properly cleaned. The flora around the abattoirs/slaughters are suffused with high contaminating microbes due to the poor hygiene and maintenance of the effluents which are acquaint to most slaughters in Nigeria. This practice has broadly imposed dangers mostly on the environment and health of residents. According to medical experts, some deadly diseases like pneumonia, diarrhea, typhoid fever, asthma, wool sorter diseases, respiratory and chest diseases are associated with abattoirs and are pronounced among residents close to Abattoirs. Therefore, this management gap in our abattoirs/slaughters is an urgent issue which should be bridge through professional training to provide well-processed animal proteins and by-products at a sustained healthy environments with more income.

**OBJECTIVES:** Therefore, this course is designed to equip participants to key on modern practices required in Abattoir Management. At the end of the course, participants should be able to:

- i. Acquaint with the implications/challenges of abattoir management;
- ii. Recycle waste for income generation;
- iii. Properly process and package animal products; and
- iv. Carry out profitable market strategies.

## **CONTENTS**

- i. Challenges associated with abattoir/slaughter
- ii. Cleaning and hygiene in the abattoir;
- iii. Abattoir Management;
- iv. Waste Management; and
- v. Meat Processing and marketing.

**TRAINING METHODS:** Lectures, group discussions, case studies and study visit.

**TARGET AUDIENCE:** Abattoir attenders, members of abattoir association, agricultural extension officers, officers in federal, state local government, interested individuals etc.

**DURATION:** 3days

**DATE:** 10th-12th December, 2018

**VENUE:** Kano State

**FEES:** ₦20, 000.00 per trainee