



# ADEYEMI COLLEGE OF EDUCATION

## ONDO, ONDO STATE

### DEPARTMENT OF PRIMARY EDUCATION

#### NCE ONE FIRST SEMESTER

#### **PED 111 Foundation of Education (2 Units) C**

#### **(Elements of Philosophy, History & Sociology of Education in Nigeria)**

#### Objectives

At the end of the course, students should be able to:

- i. Apply the concepts of philosophy to Primary Education;
- ii. Explain the contributions of leading philosophers and early Nigerian leaders to Primary Education;
- iii. Identify problems and issues in Primary Education in Nigeria.
- iv. Evaluate the Universal Basic Education Programme in Nigeria

#### **COURSE CONTENT**

- Meaning and Nature of Philosophy of Education Objectives of Education in Nigeria.
- Relevance of Philosophy to Primary Education.
- Selected lead Philosophers in Primary Education and their thoughts.
- Philosophy of Nigeria Education
- National Goals and Educational Goals
- Relevance of History of Education to Primary Education in Nigeria
- Brief History of Education in Nigeria
- Types of Education
- Evolution of U.B.E
- Major Nigerian Contributors to Education in Nigeria
- Nature and Scope of Sociology of Education
- Socialization; concepts, types and agencies
- The child, the school, the community and their interrelationship
- Influence of various social factors on learning process
- Social status and school achievements
- Education as a change agent in Nigeria
- The school as a formal organization

- Contemporary social issues in Nigeria Education e.g Cultism, Examination Malpractices, Drugs Abuse e.t.c.

## **PED 112 English Studies I (2 Units) C**

### Objectives

At the end of the course, students should be able to:

Listen to conversation in English and demonstrate understanding through speaking.

Conduct a simple conversation.

Read children's books and summarise in short grammatical sentences.

Demonstrate skills of reading to children.

Pronounce set of drills.

Demonstrate knowledge and use of theme-related vocabulary.

### **COURSE CONTENT**

- Reading skills
- Children stories
- Newspapers/magazines
- Using methods for child-centred story telling: use of voice, expressions, using pictures, teaching aids.
- Listening skills
- News/radio
- Dialogue
- Stories
- Speaking skills
- Summarizing
- Dialoguing
- Pronunciation
- Games for language skills: word bingo, lotto, matching game, pairs, memory game, fishing game.
- Drills
- Theme related: idioms used in the classroom, market and home.
- Vocabulary
- Theme related: alphabetic pictures, word wall, hangman, word search, crossword puzzle, jumbled word.

## **PED 113: Mathematics in Primary Education Studies I (2 Credits) C**

### Objectives

At the end of the course, students should be able to:

Apply basic mathematical operations to solve elementary problems in mathematics.

Demonstrate competence in the use of variety of methods and strategies for facilitating the learning of the primary school mathematics curriculum.

### **COURSE CONTENT**

- Counting and place value and strategies for teaching place value.
- Basic operation- addition and subtraction using these strategies: counting on, partial sum method, column-addition method, short algorithm, trade first method, counting up, left to right and partial difference, using number line and mental strategies.
- Roman Numerals and Cardinal points.
- Elementary set theory.
- Basic operations- multiplication and division using these strategies: continued addition, multiplication finger facts, partial product, short algorithm, Egyptian method, lattice, partial quotients, columns division, and repeated subtraction.
- Fractions and decimal numbers.
- Prime numbers (LCM and HCF).
- Ratio and percentages
- Depreciation and discount
- Profit and loss

## **PED 114 BASIC SCIENCE AND TECHNOLOGY CURRICULUM (2 credits) C**

### Objectives

At the end of the course, students should be able to:

Explain the fundamental unity of Science;

Demonstrate the role and functions of Science in everyday life;

Develop scientific literacy in themselves and their pupils;

Impart and encourage the spirit of inquiry in their pupils;

Carryout scientific investigations;

Develop competence in the design and development of simple technology;

Use the knowledge gained to devise and construct simple improvised instruments or equipment.

Teach basic Science and Technology in all the Primary Schools of Nigeria.

### **Course Content**

- Exploring the environment
- Using the senses
- Classification of objects by their properties
- Water, air and wind: Properties and uses
- Plants and animals
- Light, sound, colors: Properties and uses
- The human body: The skeletal system
- Machines
- Measurement: Length
- Nutrition: Classification of foods
- Safety measures and concerns for human life
- Family life health Education
- Modeling with clay
- Basic Science and Technology.
- Introduction to the production of Iron
- Ferrous and non-ferrous metals
- Plain carbon steel including dead mild and medium carbon steel
- Introduction to alternating currents (AC) and direct current (DC)
- Characteristics of AC and DC generators
- A study of trees: types, characteristics and uses of timber in Nigeria (emphasis should be on the ones in the immediate environment)
- Identification, properties and construction uses of: Mud/clay Bamboo Palm fronds, etc.

- Different methods of building construction using mud, bamboo, palm fronds, thatch, bricks, sandcrete blocks etc. (there should be a distinction here between ancient and modern construction methods)
- The ancient construction team: master craftsman, craftsmen, helpers
- The modern construction team: engineer, architect/draughtsman, technologist/technician, craftsmen (masons, carpenters, etc.).

## **PED 115 Home Economics in Primary Education (1 Unit) E**

Objectives.

At the end of the course, students should be able to:

describe procedure for personal cleanness;

analyse various stages of personal and social development;

enumerate the different family structures, unit, and family patterns in Nigeria;

identify the different kitchen plans, types, equipment and basic foods;

mention different sewing tools, clothing and textile terms and family clothing needs;

analyse basic elements of home management;

critically evaluate the impact of advertisement on consumers.

### **Course Content**

- Personal appearance and good grooming Care of the different parts of the body, exercises, good posture, rest, sleep and grooming
- Management of the home Care of the different rooms and equipment in each room
- The family units, roles of members and relationship of members
- The family life structure
- The beginning, expanding and contracting family
- Approaching woman/man hood.
- Preparation for motherhood/fatherhood
- Identification of sewing equipment, use and care of sewing tools
- Clothing and textile terms; seams, stitches, fastening, smocking, fibres and embroidery
- Food & Nutrition
- Food laboratory, types of kitchens, kitchen hygiene, kitchen equipment:- Types, choice, care, use and safety of equipment.
- Basic food groups and nutrients
- Methods of cooking and effect of heat on food nutrients
- Consumer education – power of advertisement and selection of goods
- Family welfare and clothing needs

## **PED 116 Agricultural Education in Primary Education (1 Unit) E**

### Objectives

At the end of this course, students should be able to:

describe the development of Agriculture in Nigeria

state the role of government in agricultural financing and development

apply relevant knowledge necessary for the establishment of an agricultural enterprise

describe natural and climatic factors that affect agriculture

use and maintain agricultural machineries and tools.

### **Course Content**

- Importance of Agriculture
- Development of Agriculture in Nigeria
- Farming systems and land tenure systems
- Effect of pollution, desertification and erosion on Agriculture
- Role of Government in Agricultural finance and development
- Principles and climatic factors that affect Agriculture
- Agricultural machinery and tools: Their uses/Maintenance
- The school farm/Garden
- Agriculture as enterprise.



## **PED 117 Social Studies in Primary Education I (2 Units) C**

Objectives:

At the end of the course, students should be able to:

- a. explain the concept of Social Studies and its relationship to other subjects
- b. describe the relationship between man and his social, physical and economic activities and how they affect each other.

### **Course Content**

- Introduction to Social Studies:
  - a. Definition, Nature and Scope of Social Studies
  - b. Aims and objective of Social Studies
  - c. Relationship between Social Studies and other subjects.
  - d. Man and his social and physical environment
  - e. Types of social environment
  - f. Family types, structure, functions and changing roles
  - g. Primary and secondary groups – definition, characteristics and functions
  - h. Living together
  - i. Factors that promote living together
  - j. The concept of physical environment
  - k. Minerals and Rocks
  - l. Relief features
  - m. Weather and climate
  - n. Vegetation
  - o. Water, soils and atmosphere
- The influence of physical environment in man's activities, etc. Man and his economic activities:
  - a. Scarcity and choice
  - b. Factors of production
  - c. Man's reaction to supply and demand of goods and services
  - d. Production system
- Economic problems. e.g. inflation, poverty, unemployment, illiteracy, diseases.
  - a. Poverty alleviation programmes.
  - b. Man and his Government
  - c. Concepts and the role of government in the society
  - d. Power and Authority Traditional forms of government e.g. family, clan, village, town. Modern forms of government e.g. Democracy Organs, arms and tiers of government. Problems of Governance

## **PED 118 Nigerian Languages in Primary Education I (2 Units) C**

### Objectives

At the end of the course, students should be able to:

- a. demonstrate knowledge of the language.
- b. Explain the use of grammar in a Nigerian Language.
- c. Use songs, poems, sounds and stories to teach a Nigerian Language
- d. Form words and sentences in a Nigerian language
- e. Express the meaning of simple sentences in a Nigerian Language

### **Course Content**

- a. Introduction to the study of the Language.
- b. The sound system
- c. Vowels, consonants
- d. Sound processes
- e. Tone
- f. Morphology
- g. Root, stem suffix
- h. Syntax
- i. Phrases
- j. Clause
- k. Simple sentence
- l. Compound sentence
- m. Complex sentence
- n. Grammar
- o. Tense
- p. Number
- q. Gender
- r. Parts of speech

s. Semantics

t. Meaning

u. Met language

## **PED 119 Physical And Health Education in Primary Education I (2 Units) C**

### **Objectives**

At the end of this course, students should be able to:

explain concept, misconceptions, components, philosophy and problems of physical Education,

teach, coach and officiate sports and games using different methods of teaching physical education in the primary school,

prepare a scheme of work and develop lesson plan for teaching of Physical Education in the primary school,

treat sport injuries with a lot of ease and expertise,

organise inter-house sports and games competition in the primary school,

### **Course Content**

- Meaning, aim, objectives, philosophy, problems, components and misconceptions of physical education.
- Concepts of sports, games and gymnastic activities.
- Fundamental and creative movements.
- Traditional sports and low organized games.
- PHE syllabus, scheme of work and lesson plan.
- First Aid and safety education.
- Physical fitness.
- Teaching methods of PHE in the primary schools
- Track and field events
- Sport injuries, management and prevention
- Legal aspects of sports and games
- Techniques and mechanics of coaching in sports, games and athletics
- Referee: qualities and duties
- Planning, organizing, budgeting and management of materials and human resources in physical education
- Organisation of Inter-house Sports.

# NCE ONE SECOND SEMESTER

## **PED 121 English Language studies II (2 Credits) C**

### Objectives

At the end of the course, students should be able to:

Demonstrate knowledge and use of identified English grammar.

Use songs, poems and stories to teach English language skills.

### Course Content

- Simple sentence structure and teaching strategies: word games, substitution table
- Parts of speech: subject, object, verb phrase, direct object, adverbials.
- Determiners with countable and uncountable noun.
- Noun phrases.
- Pronouns
- Verbs and verb forms.
- Verbal groups.
- Adverbs and adjectives
- Prepositions
- Poems: Alliteration, Clap & Count syllables
- Songs: Rhyming songs, Nursery Rhymes
- Pronunciation chart and drills teaching methods.
- Vocabulary, drill and spelling.
- Resources
- Vocabulary map graphic organiser
- Grammar book
- Drills- audio and written material.
- Language Laboratory

## **PED 122: Mathematics in Primary Education II (2 Credits) C**

### Objectives

At the end of the course, students should be able to:

Solve problems on Shape, Space and Measurement in the primary school mathematics curriculum. Demonstrate competence in the use of variety of methods and strategies for facilitating the learning of the Shape, Space and Measurement components of the primary school mathematics curriculum.

Apply Identified strategies of measuring Shapes, Space and Objects.

### **Course Content**

- Modelling and drawing of Plane and 2D Shapes and primary school method of teaching Planes and 2D Shapes.
- Modelling and properties of 3D shapes and primary school methods of teaching 3D shapes.
- Construction of angles and bisection of angles.
- Methodology of non- standard and standard measuring strategies: capacity. Volume Perimeter length. Area mass.
- money
- time.

## **PED 123 Social Studies in Primary Education II (2 credits) C**

### Objectives

At the end of the course, students should be able to:

- a. explain the functions and responsibilities of both the leader and the followers.
- b. discuss Nigeria as a nation; Issues of national integration and development.
- c. roleplay the functions and responsibilities of both the leader and the followers.

### **Course Content**

- a. Leaders and Followers
- b. The Concept of Leaders
- c. Types of Leaders
- d. Qualities and functions of a good leader
- e. Problems of bad leaders
- f. Followers responsibility
- g. Problems of bad followers
- h. Nigeria as a Nation
- i. The concept of Nation and nation state
- j. Ethnic groups in Nigeria
- k. Efforts at National Integration
- l. Problems of National Integration
- m. The concept of culture
- n. Types of culture - material and non-material
- o. Cultural traits and traits complexes
- p. Nigerian national objectives and symbols
- q. Issues and Problems of National Development
- r. Nature and concepts of National Development
- s. Dimensions of National Development

t. Problems of National Development in Nigeria

u. Planning for National Development



## **PED 124 A Home Economics in Primary Education Studies II (1 Credit) E**

### Objectives

At the end of the course, students should be able to:

Identify the principles of work simplification

Make the home surrounding beautiful and identify all danger points in order to guard and prevent accidents

Differentiate between natural and man-made fibres and use textiles to construct simple household articles

State the processes of food preservation, plan meals and prepare different dishes and snacks.

### **Course Content**

- Work simplification
- Managing the daily tasks of the family through the use of work simplification.
- Home surroundings
- Beautification of the surroundings and home gardening
- Safety in the home
- Precaution and prevention of accidents in the home
- Consumer education
- Power of advertisement and wise selection of goods
- School health
- Planning meals for schools, considering the age of learners

## **PED 124 B      Agricultural Education in Primary Education II (1 Credit) E**

### Objectives

At the end of the course, students should be able to:

apply relevant skills in crop production and animal husbandry

identify pests, diseases and their control methods

discuss problems associated with livestock production, distribution and marketing.

Explain various sources of agricultural financing.

### **Course Content**

- Principles of crop production and animal husbandry
- Soil types, land preparation and planting methods (materials, spacing and selections)
- Preservation of farm produce
- Life history of pests, disease control and their economic importance
- Livestock types, breeds and their distribution
- Characteristics of different classes of farm animals
- Principles of animal nutrition and health
- Competition for scarce resources (grazing, fertilizer, water, farm, etc.)
- Agricultural marketing and finance.

## **PED 125 Cultural and Creative Arts Curriculum and Methods for Primary School (2 Credits) C Objectives**

At the end of the course, students should be able to:

- a. develop scheme of work and lesson plans in accordance with the Cultural and Creative Arts for Primary School Curriculum
- b. identify and apply the methods of teaching Cultural and Creative Arts
- c. select and produce instructional materials for teaching Cultural and Creative Arts
- d. produce and use instructional materials to teach Cultural and Creative Arts for Primary School Curriculum.

### **Course Content**

- Introduction to methods of teaching Cultural and Creative Arts – Lectures, demonstrations, discussion, games, etc.
- Developing scheme of work and lesson plan in accordance with National Primary School Curriculum.
- Selection, production, improvisation and use of instructional materials. Micro-teaching

## **PED 127: French in Primary Education I (2 Credits) E**

### Objectives

At the end of the course, students should be able to:

- a. Pronounce correctly French sounds and their dictum
- b. Demonstrate basic skills in reading and writing in French.
- c. Teach effectively the French course contents of primary education curriculum.

### **Course Content**

#### A. Listening & articulation

- Apprendre les alphabets français
- Apprendre les chiffres en française
- les actes de paroles suivant
- Saluer
- se présenter
- prendre congé
- identifier les personnes et les choses en apprenant en même temps les noms de objets qui nous entourent (qui est-ce ? qu'est-ce que c'est ?)
- décrire l'habit de quelqu'un ! nature, couleur
- décrire un objet : taille, couleur, forme, goût
- exprimer ses besoins : Demander quelque chose, remercier et s'excuser
- utiliser les jours de la semaine et les mois de l'année pour la date
- parler du temps (météo et saison)
- exprimer ses goûts et ses préférences
- faire un choix
- connaître les animaux domestiques/sauvages

#### B. Reading

- Lecture des textes faciles et des chansons appris en classe.

#### C. Writing

- Dictée (vérification et fixation)

## **PED 128 School Observation 2 (Credits) C**

This course is primarily a practical course that introduces NCE PED students to teaching practice. The aim of the course is for students to gain a first hand experience of what goes on in the Primary School and to make links between what they are learning in theory and the reality of the Classroom.

### **Objectives**

At the end of the course, students should be able to:

- a. state the responses of learners to the various methods of teaching used by the teachers;
- b. explain effective methods used by the teacher in managing his/her class; and c. write down a summary of what they have observed.

### **Methodology and Procedure**

Students All PED NCE 1 students will be posted to schools. They will observe for 2 hours a week for alternative weeks for a period of 15 weeks. The weeks that they are not observing they will attend lectures so that they are able to combine the theory and practical aspects of school observations. They are to be fully briefed before embarking on their school observations. The students will be required to complete a journal of their observations, which must have been signed by the class teacher and endorsed by the school on each visit. They will have to write an assignment based on their journal entries. This will go towards the continuous assessment for this course.

### **Teachers in the schools**

The Head Teachers in each school will be contacted and the purpose for the Teaching Observations will be explained. They in turn will inform the class teachers of their role. Each school will be given a list of students posted to their school and they will be asked to provide an attendance register that the students will sign in and out of; this will be monitored by the school and by the lecturers of the college of education

The staff in the PED department will be responsible for briefing the students, the teachers and Head Teachers. They will organise the timetable for the students, monitor and evaluate the programme and ensure the successful implementation of the programme as well as give the lectures.

## NCE TWO FIRST SEMESTER

### **PED 211 Basic Science & Technology II (2 Credits) C**

#### **Objectives**

At the end of the course, students should be able to:

- a. Explain the fundamental unity of Science;
- b. Demonstrate the role and functions of Science in everyday life;
- c. Develop scientific literacy in themselves and their pupils;
- d. To impart and encourage the spirit of inquiry in their pupils;
- e. Carryout scientific investigations;
- f. Develop competence in the design and development of simple technology; and
- g. Use the knowledge gained to devise and construct simple improvised instruments or equipment.
- h. Teach basic Science and Technology in all the Primary Schools of Nigeria.

#### **Course Content**

- Layout of motor vehicle chassis
- Arrangement and functions of the main components of the chassis
- Different types of engine and their principles of operation
- Principles of the operations of a bicycle and a tricycle
- Maintenance of a bicycle and a tricycle (including lubrication)
- Engine lubrication and cooling systems (components and their functions and lubricants)
- Types of fuel
- Changing of oil and filter: Servicing of air cleaners
- Removing and refilling of battery: Use of hygrometer and voltmeter to test battery
- Building blocks (types, materials, production and sizes)
- Procedure for building a house using bricks and blocks (clearing of site, excavation for foundation, building of excavation with concrete, fixing doors and windows, constructing floor and plastering)
- Simple description of electricity supply systems from power station to consumers premises
- Construction of light using one-way and two-way switches
- Wiring of electric bell
- Reproduction in Plants: Dispersal and Pollination
- Pressure: Air, Water
- Force
- Matter: Brownian motion
- Energy: potential and Kinetic
- Chemical Equation
- Compounds and Mixtures
- Unicellular Organisms: Amoeba
- Metamorphosis: Complete life cycles of Mosquito, Housefly.
- Incomplete life cycle - cockroach
- Introduction to ecology
- Kinetic theory of matter
- Reflection of light

## **PED 212 Educational Technology; Communication, Production and Improvisation.**

**(2 Credits) C**

### **Objectives**

At the end of the course, the student should be able to:

- a. demonstrate basic communication skills and show proficiency in the selection, production, improvisation and use of instructional materials;
- b. produce individual and group projects on instructional materials for exhibition and preservation in PED resource rooms.

### **Course Content**

- The Concepts of Educational Technology
- The concept and process of Communication
- Information Technology and Communication
- Rationale and use of multi-media in Primary Education e.g visual, audio, audio-visual, computer, e.t.c.
- Design, Production, improvisation, maintenance and retrieval of educational media
- Use of local resources in Primary Education
- Student Project

## **PED 214 Nigerian Languages in Primary Education II (2 Credits) C**

### **Objectives**

At the end of the Course, students should be able to;

- a. read clearly a Nigerian language
- b. write legibly in a Nigerian language
- c. act or dramatize a text in a Nigerian language
- d. explain aspects of the culture of native speakers of a Nigerian Language

### **Course Content**

- Nigerian language and the dialectal issues
- The significance of tone marks, phonemes and orthography in Language study, syllables, words and sentence formation
- Nasal vowels and orthography
- Writing skills
- Drama
- Oral literature
- Written literature (the novel)
- Poetry (oral/written)
- Cultural aspects of the language
- tradition, food, crafts, trades, taboos.



## **PED 215 Physical and Health Education in Primary Schools (2 Credits) C**

### **Objectives**

At the end of the course, students should be able to:-

- i. explain the prevention and control of communicable and non-communicable diseases
- ii. explain how to sustain life at critical situations
- iii. manage emergency health situations: First Aid practices
- iv. describe physiological changes on human bodies
- v. discuss how to prevent unwanted pregnancies and sexually transmitted infections.
- vi. distinguish between nutritive and non-nutritive foods
- vii. various methods and strategies of teaching Health Education in primary schools

### **Course Content**

- Components of School Health
- Food and Nutrition including values, classification, balanced diet and malnutrition (over and under)
- School Nutrition
- Life style and Habits
- Health Education including personal and family health
- Communicable and non-communicable diseases
- Expanded Programme on Immunization (EPI) and Oral Rehydration Solution (ORS)
- Health: including, water, insect, air and contact borne diseases as well as pollutions
- Drug Education (drug use, drug abuse and addiction)
- Sex Education
- Factors that aid the spread of diseases in schools
- Role of School in the prevention and control of diseases and other bad habits
- Agencies for disease control
- Appraisal of School child's health
- Methods and strategies of teaching health education

## **PED 216 Social Studies in Primary Education III (2 credits) C**

### **Objectives:**

At the end of the course, the students should be able to:  
trace political and constitutional developments in Nigeria,  
explain the interrelationship between Nigeria and other African Communities  
identify and discuss contemporary health, infrastructural and environmental issues in Nigeria

### **Course Content**

- Nigerian political Life
- The concepts of nation, state and country
- Nationalist Movements and political parties
- Independence and 1st Republic
- Military rule in Nigeria
- Political issues: -Population Size, Power Sharing/Shift, Revenue allocation, Resource control, etc.
- Voter education
- Voter registration and its significance
- Electioneering campaigns and election
- Election misconducts, political thuggery, etc.
- **Nigerian Constitution**
- Constitution: Meaning, Purposes and Types
- Constitutional development in Nigeria 1914 – 1960
- Post Independence Nigerian Constitution
- Legislature, Executive, and Judiciary.
- African Community
- African states and people of Africa
- Population size and distribution
- Economics Communities in African States
- Cooperation among African States - e.g. Economic, Political, Socio-cultural and education.
- Contemporary Public Issues
- Health issues of HIV/AIDS, STDs, drug abuse and addiction, sanitation, etc
- Infrastructural issues: transportation, housing, communication, agricultural technology, etc.
- Environmental issues: sanitation, desertification, erosion, pollution, etc.
- Social Issues e.g. collapse of family life, gender sensitivity, refugee crisis, prostitution, women and child trafficking, Religious and Ethnic conflicts, cultism, examination misconduct, child labour and exploitation.
- Economic Issues: LEEDS, SEEDS, NEEDS, NEPAD, MDGs, NAPEP, SMEDAN, etc.

## **PED 217 English Studies in Primary Education III (2 Credits) C**

### **Objectives**

At the end of the course, the student should be able to:

Identify and use mechanics and methods of teaching reading in primary school.

Use methods of teaching English in the primary schools in accordance with the National Primary School English Studies Curriculum.

Use instructional materials in teaching English Language in the primary schools.

### **Course Content**

- Reading Readiness and its relation to the maturation process.
- Training on auditory and visual discrimination.
- Principles of first language acquisition, principles of second language acquisition and language interference.
- Training in comprehension and the skills involved.
- Plays – direct and indirect speech, complex sentences and sentence connectives, clauses.
- Children’s stories – passive voice, verb tenses, punctuation marks and pauses, expressing mood – modals, auxiliaries.
- Vocabulary, drills and spelling
- Resources
- Set of initial sounds picture/letter cards
- Children’s stories
- Plays
- Grammar book
- Drills book
- Language Laboratory

## **PED 218 French in Primary Education II (1 Credit) E**

### **Objectives**

At the end of the course, students should be able to:

discuss conjugation

use of auxiliary verbs ETRE & AVOIR

conjugate regular verbs ending in –ER, -IR and –RE

demonstrate basic skills in French grammar

### **Course Content**

- parler de ses loisirs/activités/sports pratiqués
- demander et donner l'heure
- parler de repas et des aliments
- faire la cuisine, donner une recette simple, donner des ordres et des conseils ou interdire quelque chose
- exprimer ses sentiments (joie, colère, satisfaction, regrets, . . .)
- parler de sa santé/la santé des autres
- identifier les parties du corps humain
- exprimer les quantités
- demander les prix/acheter quelque chose
- effectuer des calculs simples en français (les 4 opérations)
- inviter/proposer/accepter/refuser
- indiquer/demander son chemin, les moyens de transport

## NCE TWO SECOND SEMESTER

### PED 221; Research Method in Primary Education (1 Credit) C

#### Course Content

- The Nature and Meaning of Research
  - Types of Research
- Typology based on use
  - Pure Research
  - Action or Applied Research
- Typology based on form
  - Historical Research
  - Descriptive Survey
  - Experimental Research
- Typology based on kind of evidence and analysis used
  - Quantitative Research
  - Qualitative Research
- Methods of collecting data
  - Quantitative Techniques: Scored (Likert-type) questionnaires, experiments etc.
  - Qualitative Techniques: Structured interview, semi-structured interview, unstructured interview, participant observation, non-participant observation, use of documents, use of arte-facts or objects, audio and audio-visual materials.
  - Reliability and validity of Research Instruments
- **Methods of Organising and Analysing Data**
- The Quantitative Approach: coding and simple frequency counts; simple percentage and graphs, etc.
- Qualitative Techniques: coding, content analysis of textual and non-textual materials, transcription of interviews, audio and video-materials, documentary analysis, historical analysis, etc.
- Writing a Research Proposal
- Writing a Research Report

## **PED 222: Mathematics in Primary Education (2 Credits) C**

### **Objectives**

By the end of this course, students will be able to:  
demonstrate skills in teaching primary mathematics curriculum using childcentered strategies  
design, produce and utilize relevant instructional materials (including locally sourced) for effective teaching of the primary school mathematics curriculum.  
develop scheme of work and lesson plans in accordance with National Primary School Mathematics Curriculum.

### **Course Content**

- Rationale for teaching Mathematics in Primary Schools.
- Child- centered strategies for teaching e.g. number stories and word problems, mathematics games, use of graphic organizers.
- Development of syllabus, Schemes of Work and lesson plans in accordance with the National Primary School Curriculum. (This should be linked with PED Micro-Teaching practice EDU 224)
- Develop, improvise and utilize teaching materials for primary school mathematics curriculum e.g. number flash cards, hundred square, number lines, real objects, and mathematical tool kit.

## **PED 223 English in Primary Education (2 credits) C**

### **Objectives**

At the end of the course, students should be able to:  
Demonstrate methods of teaching English skills in accordance with the English Curriculum.  
Select, produce and use instructional materials for teaching English at the primary school level.

### **Course content**

- The role of English Language in Nigeria.
- The Nigerian language policy.
- The syllabus and scheme of work and lesson planning.
- Selection, production and use of instructional materials.
- Strategies for teaching the four language skills:
  - Listening and speaking: jingles, prompts, minimal pairs, conversation and dialogue.
  - Reading: phonics, high frequency words, predict and draw, connect, questions, summarise.
  - Writing: pre-writing activities, control writing: story boards, web creation, prompts, hooks, scaffolding, creative writing.
- Vocabulary, drills and spelling and methods of teaching.
- **Resources**
  - Nigerian Language Policy
  - National Primary School English Curriculum
  - Writing models
  - Games for listening and speaking
  - Language Laboratory

## **PED 224 Social Studies in Primary Education (2 Credits) C**

### **Objectives:**

At the end of the course, the students should be able to:  
develop scheme of work and lesson plans in accordance with the Social Studies for Primary School.

utilize appropriate methods and instructional strategies for teaching Social Studies.

produce and use instructional materials to teach social studies.

use educational media for teaching social studies.

Use a variety of evaluation strategy

### **Course Content:**

- An overview of the primary school Social Studies curriculum
- Preparation of Social Studies scheme of work and lesson plan
- Teaching strategies for Social Studies:
  - Role play
  - Inquiry
  - Dramatization
  - Problem-solving
  - Simulation
  - Concept mapping
  - Field trip/excursions, etc.
- Production and use of instructional materials/aids
  - Definition and uses
  - Selection guidelines
  - Types
    - Audiovisual
    - Audio
    - Visual
  - Resource persons
  - Realia
  - Models
  - ICT (Internet)
- Evaluation Strategies in Social Studies
- Group/individual project

## **PED 225 Basic Science and Technology in Primary Education (2 Credits) C**

### **Objectives**

At the end of the course, students should be able to:  
develop scheme of work and lesson plans in accordance with the Basic Science and Technology for Primary School Curriculum  
demonstrate the ability to deliver basic Science and technology lessons effectively.  
conduct simple biological and physical science experiments.  
discuss family life, HIV/AIDS and other life threatening diseases.  
discuss measures of safety in the School Laboratory.

### **Course Content**

- Structure of the eye, ear and skin
- Solutions: Acids, Bases and Salts
- Light: Refraction
- Sound: Properties
- Color: Properties
- Force: Friction
- Electricity: Parallel and series connections
- Magnetism
- Vertebrates and invertebrates
- The structure of an atom
- Photosynthesis
- Food chain, Food web
- Family life education
- HIV/AIDS and other life threatening diseases
- Safety measures in the laboratory
- Strategies for teaching Basic Science & Technology
- The National Policy on Education with emphasis on how it relates to the development of Science & Technology Education
- The National Policy on Science & Technology
- Teaching methods: lecture, discussion, demonstration, project, experimentation etc.
- System approach to instruction
- Evaluation: formative and summative



## **PED 226 Nigerian Languages L1 and L2 in Primary Education (2 Credits) C**

### **Objectives**

At the end of this course, students should be able to;  
prepare scheme of work and lesson plans in accordance with Nigerian language Primary School curriculum  
produce and use instructional materials in teaching a Nigerian language.  
Teach effectively a Nigerian language in Primary School

### **Course Content**

- Introducing the Nigerian Language and the principles of the L1 and L2 acquisition
- Introducing the Nigerian Language policy
- Discussing and description of the following concepts:
  - The syllabus
  - The scheme of work
  - The lesson plan
- Instructional materials
- Introduction to classroom management
- Teaching strategies with emphasis on:
  - Listening
  - Speaking
  - Reading, and
  - Writing skills
- Countable and uncountable nouns
- Noun phrases
- Verbs and verb forms
- Verbal groups
- Verbs and preposition
- Word formation, simple sentence, question tags
- Composition of persons and things
- Exercises using words and sentences.

## **PED 228A Primary Home Economics Curriculum and Methods (2 Credits) C**

### **Objective**

At the end of the course, students should be able to:  
develop scheme of work and lesson plans in accordance with the  
Home Economics for Primary School Curriculum identify and apply effective  
methods of teaching Home Economics; select and produce effective instructional  
materials for teaching Home Economics.

### **Course Content**

- Introduction to methods of teaching home Economics – Lectures, demonstrations, discussion, games, etc.
- Developing of scheme of work and lesson plan in accordance with National Primary School Curriculum.
- Selection, production, improvisation and use of instructional materials.
- Micro-teaching

## **PED 228B Agriculture for Primary School Curriculum and Methods (2 Credits) C**

### **Objectives**

At the end of the course, students should be able to:  
use instructional materials and methods in teaching agriculture  
select, improvise and produce instructional materials.  
prepare scheme of work and lesson plans in accordance with the National Primary School curriculum.

### **Course Content**

- The National Agricultural curriculum.
- Teaching methods:
  - Lecture
  - Demonstration
  - Discussion
  - Field trips
  - Projects
  - Resource person/scaffolding
- Curriculum, syllabus, scheme of work and lesson plan in accordance with the National Primary School Curriculum.
- School farm/garden and the laboratory as facilities for teaching
- Selection, improvisation, production and use of instructional materials and community resources.

## **NCE THREE SECOND SEMESTER**

### **PED 321 Primary School Planning, Administration and Supervision**

#### **Objectives**

At the end of the course the student should be able to:

apply the basic concepts of administration, planning and supervision in primary schools.

demonstrate their roles as teachers, administrators and supervisors and understand the need for Community involvement and other agencies in funding Primary Education.

#### **Course Content**

- Basic concepts and definitions of administration
- Administration of Primary Education at Federal, State, Local Government and school levels in Nigeria
- The roles of international agencies and NGOs in funding Primary Education
- Community participation in Primary Education, Education Law and National Policy on Education
- Definition and purpose of educational planning
- Approaches to planning Primary Education
- Problems of planning and implementation of Primary Education in Nigeria
- Strategies for planning primary education
- Definition and purpose of Primary School Supervision and Inspection
- Roles of School Supervisors and inspectors
- Problems of Primary School supervision and inspection in Nigeria

## **PED 322: Computer Appreciation and Application (2 Credits) C**

### **Objectives**

At the end of the course, the student should be able to:

Teach general knowledge about computers and assist students in their use.

demonstrate competence in the use of computer and internet facilities.

demonstrate competence in the use computers for teaching purposes.

### **Course Content**

- Computer: definition and use.
- **Types of Computer:**
  - Mainframes
  - Supercomputers
  - Mini Computers
  - Desktop Computers
  - Laptops/Note Books
  - Palmtop/Tablets, etc
- By types, size, purpose and generation
- Parts/Components of Computer
  - Monitor
  - Central Processing Unit
  - Keyboard
  - Mouse
- Computer Peripheral (Input/output) Devices
  - Printer
  - Scanner
  - Digital Cameras
  - UPS (Un-Interruptible Power Supply)
  - Stabilizer
  - Flash drive
  - CD/DVD
- Types of Software and their application
  - Operating Systems
    - Window 98, Windows 2000, Windows NT, Window XP, Vista
    - UNIX
- Application Software
  - Games
  - Drawing
  - Playing music
  - Shopping
  - Record keeping
  - Banking
- Using the Computer
  - Word processing
  - Spreadsheet
  - Presentation
- Data and data processing
- Networking (LAN, WAN)
  - Internet
  - Accessing the Internet for instructional purposes

- Protection of the Computer/data

## **PED 323 English in Primary Education Studies IV (2 Credits) C**

### **Objectives**

At the end of this course, the student should be able to:

Identify and use English grammar correctly.

Demonstrate assessment methods for testing English skills.

Identify individual children's learning needs and provide remedial support.

Produce 4 different forms of writing.

### **Course content**

- Transitive & Intransitive verbs.
- Verbal phrases and preposition.
- Verbs and verb forms.
- Verbal groups.
- Modal verbs.
- Word formation.
- Question tags.
- Use of intensifiers: adverbs and adjectives.
- Gerund and infinitives as subject compliments indicating possession.
- Testing and evaluation of English language skills.
- Individual learning needs in English skills: Error analysis in reading and writing.
- Forms of writing: letters (formal and informal), essays (descriptive, narrative, argumentative and expository) poetry and drama.
- Resources
- Grammar book
- Assessment methods book
- Remedial Teaching book
- Examples of forms of writing
- Language Laboratory

## **PED 324 Mathematics in Primary Education III (2 credits) C**

### **Objectives**

At the end of the course, the student should be able to:

Demonstrate competence in different methods and strategies in teaching Algebra, Geometry and Statistics in the primary school mathematics.

Solve problems in Algebra, Geometry and Statistics from the primary school mathematics curriculum.

Collect, organise, represent and interpret data in all forms that are relevant to the primary school mathematics curriculum.

### **Course content**

- Open sentence and evaluation of simple algebraic expressions.
- Collection of terms and removing brackets
- Formation of words problems.
- Simple equations and methods of their solution.
- Simultaneous equations using substitution method, elimination and graphical method.
- Word problems leading to simultaneous equation.
- Simple problems in Geometry
- Statistics: Methods of data collection
- Data organisation: frequency distribution tables.
- Data representation relevant to primary schools: pictogram, bar chart, pie chart, histogram, and line graph.
- Statistics: measures of central tendency (mean, mode, median)



## **PED 325 Basic Science & Technology in Primary Education III (2 credits) C**

### **Objectives**

At the end of the course, students should be able to:

Demonstrate basic skills in elementary fabrication.

Conduct simple experiment in heat, light, sound and electricity.

Write reports of scientific experiments.

Able to apply the principle of conservation.

Demonstrate safety measures in the laboratory to discuss the effects of HIV/AIDS and other life threatening diseases on the economy.

Discuss the effects of HIV/AIDS and such other life threatening diseases on teachers and students.

### **Course Content**

- Common sheet, metal, working tools including their uses and care
- Production of bamboo cups and trays
- Electric fields: Charge storage, using ebonite rod, comb and paper, gold leaf electroscope, etc.
- Introduction to electromagnetism: temporary/permanent magnets; magnetic poles, fields, flux and strength.
- Methods of making magnets
- Use of local foundry with bellows and anvils to shape metals
- Production of machetes and hoes using local foundry
- Power, Work and Energy
- Forms of Energy
- Solubility
- Dispersion of Light
- Density, specific gravity
- Gravitational force
- Heat, Temperature
- Sound waves
- Plant and Animal cell
- Conservation of natural resources
- Flowering plants: fruits
- Effects of HIV/AIDS and other life threatening diseases

## **PED 326 Cultural and Creative Arts in Primary Education II (2 credits) C**

### **Objectives**

At the end of the course, students should be able to:

differentiate still life drawing from nature drawing;

identify all types of colour, e.g. Primary, Secondary, Tertiary and neutral and draw a colour wheel;

sing songs related to landmarks, play musical instruments and stage a dance.

Identify and produce Nigerian arts and crafts that are related to the immediate environment.

State ways of including values in Cultural and Creative arts.

### **Course Content**

- Production and use of posters and pictures.
- Communicating Population and Family Life Education (POP/FLE) messages and concepts using posters and music
- Light and shade, colour, lettering and life drawing.
- Local crafts: Carving, basketry, leather work, etc.
- Music and dance to communicate message
- Melody writing, a dance project to be organized by students under supervision of staff
- Theory of music, traditional musical instruments and making simple musical body movement (dance).
- Drama, songs and folk stories.
- Values in Cultural and Creative Arts.

## **PED 327 Coaching and Management of Sports in Primary Schools (2 Credits) C**

### **Objectives**

At the end of this course, students should be able to:  
use different methods of coaching for sports and games  
apply practical knowledge of sports and games in the art of officiating  
organize successful sports and games competitions in primary schools.

### **Course Content**

- Meaning of coaching
- Difference between coaching and teaching
- Techniques of coaching
- Mechanics of Coaching
- Roles of Sports Coaches
- Types of Coaches
- Coaching techniques of:
  - Shotput
  - Javeling
  - Discuss
  - High jump
  - Long jump
  - Triple jump
  - Soccer
  - Basketball
  - Volleyball
  - Hockey
  - Tennis
  - Table tennis
  - Kinesiology
  - Gymnastics
  - Handball
- **Refereeing**
- qualities of a referee and duties of a referee
- Organisation of physical education in Primary Schools
- Planning, budgeting and management of sport materials and human resources
- Organisation of a healthful school day
- Organisation of Schools' Sports.

## **PED 328 A Basic French in Primary Education (1 Cr dit) E**

### **Objective**

At the end of the course, students should be able to :  
use different teaching methods and the m thode communicative in particular to  
teach French in Primary School.

Demonstrate competence in using teaching aids and techniques (tapes, CDs &  
DVDs, Films) in teaching French.

Evaluate the performance of the learner in basic french.

### **Course Content**

- Introduction   la methodologie communicative
- Technique de motivation de l' l ve
- Exercices de correction phon tique ( couter et prononcer des mots et expression  non c s par le professor, et   partir des cassettes, CDs ou DVDs)
- Lecture   haute voix et technique de correction
- Compr hension, orale-questions/r ponses
- Chanson et r citation des po ms appris en classe.
- Technique des jeux des roles et jeux mots et expressions
- Exercices stucturaux

## **PED 329 Nigerian Languages in Primary Education Studies III (2 Credits) C Objectives**

At the end of the Course, students should be able to socio-cultural relevance in the use of language.

### **Course Content**

- The Language and Society (culture, tradition, acceptance)
- The dynamism of the Language (the living language)
- Language for keeping records (history), etc
- Language inter-lading (borrowed words).
- Introduction to general linguistics
- Introduction to Ajami as a medium of writing (Hausa)
- Translation (theory and practice)
- Development of the orthography (review of written text)
- Typology, regional and social dialects and registers of the Language
- Evolution and standardization of the dialect of common use – (standard orthography of the Language)