

100 level First Semester

Course Code	Course Title	Number of Hours		Total number of Hours	Credit Unit	Remark
		Lecture	Lab. practical			
BIO111	Introductory Biology I	30	..	30	3	Core
BI0112	Practical Biology I	30	..	30	1	„
CHEM111	General Chemistry I	30	..	30	3	„
CHEM113	General Chemistry Laboratory I	..	45	45	1	„
ST111	Introduction to Probability and & Prob. distribution	30	..	30	2	„
GENS101	Use of English I	30	..	30	2	„
NURS101	Foundation of Nursing I	45	..	45	3	„
PHYS116	Physics for life Sciences I	30	..	30	3	„
PHYS117	Practical physics	..	45	45	1	„
	TOTAL		90			

100 level Second Semester

Course Code	Course Title	Number of Hours		Total number of Hours	Credit Unit	Remark
		Lecture	Lab. practical			
BIO122	Introductory Biology II	30	..	30	3	Core
BIO126	Practical Biology II	30	..	30	1	„
CHEM121	General Chemistry II	30	..	30	3	„
CHEM124	General Chemistry Laboratory II	30	..	30	1	„
CHEM192	Introduction to practical chemistry	..	45	45	1	„
GENS121	Use of English II	30	..	30	2	Electiv
ST121	Descriptive Statistics	30	..	30	2	^e Core
NURS102	Foundation of Nursing II	45	..	45	3	„
PHYS126	Physics for life Sciences II	30	..	30	3	„
PHYS117	Basic Experimental Physics	..	45	45	1	„
	TOTAL		90			

Course Code	Course Title	Number of Hours		Total number of Hours	Credit Unit	Remark
		Lecture	Lab. practical			
ANAT209	Human Anatomy 1	45	..	45	3	Core
BCHM241	Biochemistry of Macromolecules	30	..	30	2	„
BCHM247	Biochemistry Practical	..	45	45	1	„
COMM201	Biostatistics	30	..	30	2	„
COSC265	Fundamentals of Computer Science	30	30	30	2	„
HPHY209	Introduction to Human Physiology I	60	45	105	5	„
NURS201	Foundation of Nursing III	30	..	30	2	„
POLS201	Nigerian Government and Politics	45	..	45	3	„
SOLG203	African Society and Culture	30	..	30	2	„
	TOTAL	300	120	420		

Course Code	Course Title	Number of Hours		Total number of Hours	Credit Unit	Remark
		Lecture	Lab. practical			
ANAT212	Human Anatomy II	45	..	45	3	core
BCHM242	General Metabolism	30	..	30	2	„
COMM202	Man and His Environment	45	..	45	3	„
GENS202	Entrepreneurship and Innovation	30	..	30	2	Elective
HPYH212	Introduction to Human Physiology	45	..	45	4	Core
MICR286	Medical Microbiology and Parasitology	30	45	75	3	„
NURS202	Foundation of Nursing IV	30	45	75	3	„
SOLG204	Social Formation in Africa	30	..	30	2	„
	TOTAL	285	90	375		

CONCENTRATED CLINICAL POSTING (8WEEKS)

Course Code	Course Title	Number of Hours		Total number of Hours	Credit Unit	Remark
		Lecture	Lab. Practical			
ANAT301	Human Anatomy III	45	..	45	3	Core
BCHM343	Human Nutrition	30	..	30	2	„
GENS301	Business Creation and Growth	30	..	30	2	„
NURS301	Mental Health Nursing I	45	..	45	3	„
NURS303	Medical Surgical Nursing I	60	..	60	4	„
NURS305	Community Health Nursing I	45	..	45	3	„
	TOTAL	255	..	255		

CONCENTRATED CLINICAL POSTING (8WEEKS)

300 Level Second Semester

Course Code	Course Title	Number of Hours		Total number of Hours	Credit Unit	Remark
		Lecture	Lab. Practical			
EDPS302	Developmental Psychology	30	..	30	2	Core
NURS302	Mental Health Nursing Ii	45	..	45	3	„
NURS304	Medical Surgical Nursing Ii	45	..	45	3	„
NURS306	Maternal and Child Health Nursing Ii	45	..	45	3	„
NURS308	Community Health Nursing Ii	45	..	45	3	„
PATH312	General Cellular Pathology and Cytology	45	..	45	3	„
PHCL308	Pharmacology and Chemotherapy	30	..	30	2	„
	TOTAL	285	..	285		

CONCENTRATED CLINICAL POSTING (8WEEKS)

Course Code	Course Title	Number of Hours		Total number of Hours	Credit Unit	Remark
		Lecture	Lab. Practical			
COMM401	Principle and Methods of Epidemiology	30	..	30	2	Core
NURS401	Medical Surgical Nursing Iii	45	..	45	3	„
NURS403	Principles of Nursing Education	30	..	30	2	„
NURS405	Curriculum Development in Nursing Education	15	..	15	1	„
NURS407	Community Health Nursing Iii	30	..	30	2	„
NURS409	Maternal and Child Health Nursing Ii	45	..	45	3	„
NURS413	Paediatric Nursing	30	..	30	2	„
PHCL407	Systemic Pharmacology	30	..	30	2	„
	TOTAL	255		255		

CONCENTRATED CLINICAL POSTING (8WEEKS)

Course Code	Course Title	Number of Hours		Total number of Hours	Credit Unit	Remark
		Lecture	Lab. Practical			
COMM406	Nutrition in Health and Illness	30	..	30	2	Core
LAWN414	Medical Jurisprudence	30	..	30	2	„
NURS402	Management of Nursing Care Services	30	45	75	3	„
NURS404	Research Methodology	45	..	45	3	„
NURS406	Teaching and Management Practice	30	..	30	2	„
NURS408	Nursing Seminar	45	..	45	3	„
NURS412	Medical Surgical Nursing Iv	30	45	75	3	„
NURS418	Maternal and Child Health Nursing Iii	30	..	30	2	„
	TOTAL	270	90	360		

CONCENTRATED CLINICAL POSTING (8WEEKS)

500 Level First Semester

Course Code	Course Title	Number of Hours		Total number of Hours	Credit Unit	Grade
		Lecture	Lab. Practical			
NURS501	Public Health Nursing I	60	..	60	4	Core
NURS509	Research Methodology	30	..	30	2	Core
	TOTAL	135	..	135		

CONCENTRATED CLINICAL POSTING (8WEEKS)

Course Code	Course Title	Number of Hours		Total number of Hours	Credit Unit	Grade
		Lecture	Lab. Practical			
NURS502	Public Health Nursing II	60	..	60	4	Core
NURS504	Research Project	45	90	135	5	„
NURS506	Health Economics	30	..	30	2	„
	TOTAL	210	135	345		

CONCENTRATED CLINICAL POSTING (8WEEKS)

CLINICAL EXPERIENCES IN WEEKS

S/N	UNITS	WEREKS
1	General Medical-Surgical Unit	36
2	Pediatric Unit	8
3	Out-patient Department	8
4	Orthopedic Unit	5
5	Ophthalmic Unit	5
6	Rural/Community Health Service	6
7	Emergency Room	4
8	Operating Theatre	4
9	Psychiatric Unit	4
10	Infectious Disease Unit	4
11	Immunization Unit	5
12	Gynecological Unit	4
13	Obstetric Unit	4
	TOTAL	97 WEEKS

Course Title: **Applied Physics**

Course Code: **PHYS131**

Credit Units: **2**

Introduction

The course is designed to provide applied knowledge in Physics for application in clinical Nursing practice.

Learning Objectives

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

1. Discuss basic concepts in physics as applicable to nursing care.
2. Describe specifically the principles of light, heat, sound, electricity, magnetism etc. in health care interventions.
3. Explain the nature of radioactivity in relation to X-ray, radiological procedures and radiotherapy.
4. Describe precautionary measures in the protection of clients, staff and the community in general during radiological procedures.

Course Content

Unit I: Introduction

Definition of Science and Physics

Branches of science- physics and their relevance to Nursing practice.

Nature of scientific enquiry and its importance to Nursing practice.

Unit II: Molecular phenomena and applications

Concept of surface tension.

Definition and common examples of molecular phenomenon.

States of matter.

Concept of osmosis.

Concept of capillarity

Application in nursing practice.

Unit III: Measurements and Units

Types of measurements commonly carried out by nurses: length, weight, height, volume, pressure, density, temperature.

S.I. and conversion of units.

Instruments used for measurements.

Pressure measurement; Barometer, Sphygmomanometer.

Specific gravity measurement.

Hydrostatic pressure in fluid

Characteristics of pressure in fluid

Measurement of pressure in fluid

Pascals Law application e. g. water mattress

Boyle's Law application

Buoyancy and Archimedes' principle applications e.g. CSF, Amniotic Fluid.

Viscosity and applications.

Unit IV: Forces and their application in Nursing practice

Force, work, energy and power.

Application in nursing practice.

Unit V: Machines

Definition, types and examples.

Levers: definition, classification and examples.

Pulleys: definition, classification and examples.

Application to nursing practice.

Unit VI: Heat

Definition, terminology and sources of heat.

Methods of providing heat for the body.

Definition and measurement of temperature.

Types of thermometers and uses.

Heat conversion

Heat energy

Heat content of food: calories, caloric values in adult and baby food.

Unit VII: Elasticity

Definition

Stress and strain

Types of stress

Hook's Law

Young's modulus

Bulk's modulus

Shear modulus

Applications – blood vessels, spring balance, shearing force in decubitus ulcer etc

Unit VIII: Optics and Waves

Definitions of optics and waves

Concept of light and its properties.

Mechanical waves:

- Characteristics of sound
- Production and transmission
- Forced vibrations
- Application in Nursing

Electromagnetic waves and properties

Light waves

- Sources of light
- Transmission of light
- Propagation of light
- Lenses
- Reflection of light through lenses
- Dispersion of light

Application: simple lens, human eyes, microscope, common eye defects and corrective mechanism.

Unit IX: Electricity, magnetism and sound waves

Definition of terms

Basic principles of electricity, magnetism, sound and waves

Properties of magnet

Electromagnetism

X-ray: prediction, properties and nature in healthcare

Precautionary measures in radiological procedures

Application of radiological investigations: Computerised Tomography (CT)

Scan,
n,

Magnetic Resonance Imaging (MRI), Ultrasound.

Unit X: Practical: Measurement of physical properties

Application of the principles of Physics to Clinical nursing practice

Visit to Radiology and Radiotherapy departments.

Course Title: Introduction to practical Physics

Course Code: PHYS161

Credit Units: 1

Measurement

Determination of acceleration due to gravity by means of compound pendulum

bifilar suspension

Experiment with cantilever

Experiment with spiral spring

Coefficient of restitution

Coefficient of friction

Course Title: Introduction to practical Physics II

Course Code: PHYS162

Credit Units: 1

Selected experiments in Physics for service courses

Surface tension using capillary method

Surface tension using Jaeger's method

Specific heat capacity of a liquid

Latent heat of vaporization

Latent heat of fusion

PHYS 122 – Physics. (3 UNITS)

Electric charge. Coloma's law. Electric field. Electrostatic potentials. Energy in Electric field, capacitors. Die electrics, Electric current, potential difference and electro motive force. Ohm's Law, potentiometer, Meter Bridge, wheat Store Bridge. Magnetic effects of current permanent magnetism, earth's magnetic field. Faraday's Law of induction. Generators and Electric motor

Application of principles of Chemistry to clinical Nursing practice.

Course Title: Introduction to General Chemistry.

Course Code: CHEM 121

Credit Units: 2

Introduction

The course is designed to provide applied knowledge in Chemistry for application in Nursing practice.

Learning Objectives

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

Explain the basic concepts and principles in chemistry that are applicable to Nursing care.

Identify basic biochemical compound/substances used in health care.

Describe precautionary measures against biochemical substances used in health care.

Course content

Unit I: An introduction to atomic structure. Development of electronic configuration of the elements. Stoichiometry and mole concept. Electronic theory of valency. Chemical bonding. The periodic classification of the elements. General study of one or two representative elements of groups in the periodic table with emphasis on position of the elements. Radioactivity and its application structure of solids

Unit III: Acids, Bases and Salts

Definition, properties, and uses

Measurement of acidity and alkalinity

Types of salts, uses

Hydrolysis of salts

Acid/base titration

Efflorescent, deliquescent

Simple volumetric analysis

Metals and non-metals: examples and properties

Unit IV: Electrolysis

Definition of electrolysis, electrolytes and non-electrolytes

Ionic theory, ionization

Electrolysis, electrolytes, non-electrolytes

Air composition, pollution and purification

Water pollution and purification

Course Title: Introduction to Organic Chemistry

Course Code: CHEM 101

Credit Units: 2

Introduction

The course is designed to provide applied knowledge in Chemistry for application in Nursing practice.

Learning Objectives

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

Explain the classification and structure of organic and inorganic compounds and their impact on nursing practice.

Demonstrate an understanding of the application of knowledge of carbons and hydrocarbons to nursing practice.

Course Content

Unit I: Fundamental chemical principles; the gas laws. Kinetic theory of gases. Colligative properties of dilute solutions. Raoult's Law, Henry's Law and molecular weight. Determination. Thermochemistry, chemical equilibrium, Law of Mass action, reaction rate and chemical energetics. Electrochemistry, ionic equilibrium. Theory of acids, bases and indicators. Phase equilibrium study of one or two components.

Unit II: Carbon and carbon compounds

Carbons, properties of elements and its allotropes

Introduction to Organic Chemistry

- Hydrocarbons (saturated).
- Hydrocarbons (unsaturated), alkenes and alkynes
- Introduction to functional group Chemistry e.g. alcohols, amines, carbonyls, carboxylic acids etc.

Unit III: Organic and inorganic compounds

Organic compounds: definition, classification, examples and structures

Examples of oxidation products of alcohol

Aldehydes: examples and uses in Nursing practice

Carbohydrates, proteins, fatty acids, lipids.

Biological importance of some inorganic substances

Inorganic compounds: definition, classification, structures and examples.

Application to nursing practice

Unit IV: Atomic nucleus and nuclear energy

Radioactivity: natural and artificial

radioactive elements

Types of radiation from radioactive elements: alpha, beta, gamma

nuclear structure and radioactive decay

Half-life

Radioisotopes

Nuclear reaction

Nuclear energy: nuclear fission and fusion

Health hazards from radioactive substances

Application in nursing practice

Course Title: Introduction to Chemistry Practical

Course Code: CHEM 191

Credit Units: 1

The theory and practice of simple volumetric and qualitative analysis.

1. Preparation and standardization of NaOH
2. Standardization of HCL and H₂C₂O₄ solution using NaOH
3. Determination of amount of Aspirin in Aspirin tablet
4. Determination of amount of NaOH AND Na₂CO₃
5. Determination of the concentration of Na₂CO₃ and NaHCO₃ in a mixture

Course Title: Invertebrates and Vertebrates

Course Code: BIOL 113

Credit Units: 2

This course is designed to explore the structure and function of animals and to extrapolate to human's relevant findings. It includes animal embryology, development and metabolic

physiology. The physiology covers vertebrates and invertebrates.

a) Animal Physiology (Vertebrates and Invertebrates) . (2 UNITS)

- General principles of physiological process
- Regulation of body temperature, body weight, blood pressure, respiration, body fluid, hormones.
- Normal function of sex determination.
- Sex chromosomes, cytogenic effects of radiation and chemical agents.

b) Metabolic Physiology

_ Metabolism of CHO, lipids, protein, amino acid and nucleic acid.

Breakdown and synthesis of protein and amino acid

Course Title: Introduction to Chemistry Practical II

Course Code: CHEM 192

Credit Units: 1

Oxidation – Reduction Titrations

1. Standardization of KMnO_4 using standard $\text{Na}_2\text{S}_2\text{O}_3$
2. Standardization of $\text{Na}_2\text{S}_2\text{O}_3$ using standard KMnO_4
3. Standardization of KMnO_4 using standard $\text{H}_2\text{C}_2\text{O}_4$
- 2-
4. Standardization of C_2O_4 using standard KMnO_4
5. Standardization of Fe(II) using standard KMnO_4
6. Determination of the amount of $\text{H}_2\text{C}_2\text{O}_4$ and $\text{Na}_2\text{C}_2\text{O}_4$ in a given mixture
7. Determination of % purity of an impure sample of $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$ using standard $\text{Na}_2\text{S}_2\text{O}_3$

Course Title: Plants Biology

Course Code: BIOL 111

Credit Units: 2

The course is designed to familiarize the student with activities of living things, the cell its general structure and activities, viruses. Chromosomes, prokaryotic and eukaryotic cells. Fungi and algae etc. General structure anatomy and physiology of the stem, root, leaf and flower and floral diversity.

a) The Role of Plant Breeding

Breeding methods

Breeding for diseases

Inheritance of diseases and human resistance

b) Applied Plant Physiology

Structure and actions of herbicides, persistence and destruction of herbicides.

c) Limnology

The physical properties of water and their biological significance. The chemical composition of water and water Pollution

Course Title: Introduction to Ecology

Course Code: BIOL 112

Credit Units: 2

Introduction:

Ecology addresses the full scale of life, from tiny bacteria to processes that span the entire planet. Ecologists study many diverse and complex relations among species, such as predation and pollination. The diversity of life is organized into different habitats, from terrestrial to aquatic ecosystems. The course is design to familiarize the students with Ecology and it relevant to course service

Course content:

Level, scope and scale of organization

Basic Ecological Concepts

Subdivisions of Ecology

Individual Level of Integration in Ecology

Course Title: Introduction to Evolution and Genetics

Course Code: BIOL 114

Credit Units: 2

The course is design to familiarize the students with Genetics and Evolution immerse on the molecular aspects and the works of nature that led to what every living thing has become.

The ideologies of natural selection and evolution explicate the breadth of diversity among organisms. The knowledge imparted by geneticists and evolutionists led to modern technologies, such as genetic engineering and selective breeding.

Objective:

To know the various stages of meiosis and the special meiotic events, such as independent assortment of chromosomes and crossing over, that promote genetic diversity

To be familiar with the concepts of phenotypes, genotypes, and alleles and the application of a test cross and Punnett square as tools to understand principles of dominance and pattern of inheritance

To articulate Charles Darwin's theory of evolution and natural selection, and provide examples to support these ideologies

Course content:

Introduction to Genetics

Chromosomal Basis of Heredity

Gene Segregation and Interaction

Mendelian Inheritance

Non-Mendelian Inheritance

Mutations

Natural Selection

Adaptive Radiation

Population Genetics

Biotechnology

Course Title: **Communication in English**

Course Code: **GST 111**

Credit Units: **2**

Introduction

English Language is the official means of communication in Nigeria.

This course is therefore designed to equip students with the knowledge and skills of proper use of English Language to facilitate the attainment of sound academic standard, and enhance effective communication.

Course Objectives

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

1. Identify possible sound patterns in English Language;

2. List notable Language skills;
3. Classify word formation processes;
4. Construct simple and fairly complex sentences in English;
5. Apply logical and critical reasoning skills for meaningful presentations;
6. Demonstrate an appreciable level of the art of public speaking and listening; and
7. Write simple and technical reports.

Course Content

Unit I: Effective speaking:

Correct use of stress, rhythm, and intonation patterns

Sound patterns in English Language (vowels and consonants, phonetics and phonology).

English word classes (lexical and grammatical words, definitions, forms, functions, usages, collocations).

Sentence in English (types: structural and functional, simple and complex).

Unit II: Grammar and Usage:

Tense, mood, modality and concord, aspects of language use in everyday life.

Logical and Critical Thinking and Reasoning Methods.

Generalization and Explanations.
Ethical considerations.

Copyright Rules and

Infringements

Unit III: Writing Activities:

Pre-writing, Writing, Post writing, Editing and Proofreading.

Brainstorming, outlining, Paragraphing, Types of writing, Summary, Essays, Letter. Curriculum Vitae.

Report writing, Note making etc. Mechanics of writing.

Unit IV: Comprehension Strategies and Art of public speaking

Reading and types of Reading, Comprehension Skills, 3RsQ.

Information and Communication Technology in modern Language Learning.

Language skills for effective communication. Major word formation processes.

Writing and reading comprehension strategies.

Logical and critical reasoning for meaningful presentations and listening.

Report writing

Course Title: Nigerian People and Culture

Course Code: GST 112

Credit Units: 2

Learning Objectives:

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

1. Analyze the historical foundation of the Nigerian culture and arts in pre-colonial times;
2. List and identify the major linguistic groups in Nigeria;
3. Explain the gradual evolution of Nigeria as a political unit;
4. Analyze the concepts of Trade, Economic and Self-reliance status of the Nigerian peoples towards national development;
5. enumerate the challenges of the Nigerian State towards Nation building
6. Analyse the role of the Judiciary in upholding people's fundamental rights
7. Identify acceptable norms and values of the major ethnic groups in Nigeria; and

8. List and suggest possible solutions to identifiable Nigerian environmental, moral and value problems.

Course Contents:

Unit I: Nigerian history:

Culture and art up to 1800 (Yoruba, Hausa and Igbo peoples and culture; peoples and culture of the ethnic minority groups).

Nigeria under colonial rule (advent of colonial rule in Nigeria; Colonial administration of Nigeria).

Evolution of Nigeria as a political unit (amalgamation of Nigeria in 1914; formation of political parties in Nigeria; Nationalist movement and struggle for independence).

Nigeria and challenges of nation building (military intervention in Nigerian politics; Nigerian Civil War).

Concept of trade and economics of self-reliance (indigenous trade and market system; indigenous apprenticeship system among Nigeria people; trade, skill acquisition and self-reliance).

Unit I: Social justices and national development:

Law definition and classification.

Judiciary and fundamental rights.

Individual, norms and values (basic Nigeria norms and values, patterns of citizenship acquisition; citizenship and civic responsibilities; indigenous languages, usage and development; negative attitudes and conducts.

Cultism, kidnapping and other related social vices.

Re-orientation, moral and national values

The 3R's – Reconstruction, Rehabilitation and Re-orientation; Reorientation Strategies: Operation Feed the Nation (OFN), Green Revolution, Austerity Measures.

War against Indiscipline (WAI), War against Indiscipline and Corruption (WAIC), Mass Mobilization for Self-Reliance, Social Justice and Economic Recovery (MAMSER), National Orientation Agency (NOA).

Current socio-political and cultural developments in Nigeria.

Course Title: **Foundation of Nursing I**

Course Code: **NURS101**

Credit Units: **3**

Introduction

This course is the foundation for the practice of nursing in homes, communities, and health institutions and for professional education. The course is more than the acquisition of technical skills and will be based on sound scientific principles, which the student will apply throughout the programme and will be able to build on as the programme progresses.

Learning Objectives

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

1. Explain the basic health concepts and principles underlying client care.

2. Have understanding of the Ethics and etiquettes in Nursing
3. Identifying the Structures of health care institutions in Nigeria.
4. Demonstrate understanding of theories and models relevant to Nursing practice.
5. Explain the components and principles of Nursing Process.
6. Demonstrate skills in basic Nursing care for total client/patient management.
7. List and explain the functions of professional organizations
8. Demonstrate diagnostic measures used in the management of clients/patients

Course Content

Unit I: Introduction

- Definition of Nursing/Nurse
- History and Trends in Nursing
- Ethics and Etiquettes in Nursing
- Concept of Health and Illness
- Concept of Basic Human Needs
- Professional Organizations: National and International
- Health Maintenance Agencies: National/International
- Characteristics of a Polyvalent Nurse

Unit II: Health Care Institutions

- Hospital and Ward Organization
- Structure of Primary, Secondary and Tertiary Health Facilities and Social Services
- Client/Patient in community and health institution
- The Patient as a member of a family and community
- Reception, admission, referral and discharge procedures
- Principles and Techniques of Health Education and the Role of the Nurse

Unit III: Tools of Nursing

- Principles of reporting and recording/documentation
- Taking and handing over

- Selected theories and models relevant to Nursing Practice e.g. Nightingale, Virginia Henderson, Orem's etc.
- Problem Solving Techniques
- Nursing process

Unit IV: Comfort and Safety Measures

- Care of hospital equipment
- Simple bed making: occupied and unoccupied beds
- Special bed making – admission, operation, cardiac beds etc.
- Use of bed accessories: cradle, air-ring
- Body support/posture
- Methods of lifting patients
- Safety measures
- Positions used in Nursing
- Nurses' responsibilities in promoting rest and sleep

Unit V: Interpersonal Communication and Counselling (IPCC)

Introduction to the client-Centred approach

Understanding interpersonal communication

Empathic Communication

- Interpersonal Relationship
- Communication Skills
- Interviewing and Counselling

Unit V: Basic Client/Patient Care

- Personal hygiene
 - Bathing adults, children and babies
 - Oral hygiene
 - Care of the nails
 - Hair care
- Pressure Sore: Pressure points, causes, treatment and prevention.
- Oral feeding
- Providing means of elimination: Serving of bedpans/urinals, diapers, with precautionary

measures, nappy care.

- Environmental hygiene
- Principles of community-centred care with emphasis on comprehensive health care.
- Standard precautions.

Unit VI: Diagnostic Measures

- Introduction to general examination of the patient (head-to-toe)
- Vital signs and apex beat
- Observation and recording: Height, weight and anthropometric measures.
- Collection/observation of specimen/precautionary measures:
 - Sputum
 - Vomitus
 - Urine
 - Stool, etc

Course Title: Foundation of Nursing II

Course Code: NURS102

Course Units: 3

Introduction

This course is designed to equip students with knowledge and skills in basic nursing procedures, aseptic techniques, injection safety and legal aspects of Nursing.

Course Objectives

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

1. Demonstrate competence in drug administration to prevent complications
2. Apply principles of aseptic technique and injection safety in the care of patients.
3. Explain the importance of healthcare waste management.
4. Demonstrate understanding of wound dressing technique.
5. Demonstrate skills in the use of nose masks and hand gloves
6. Demonstrate understanding of unsafe injection practices

Course Content

Unit I: Administration of Drugs

- Principles/Rules of drug administration
- Classification of routes of administration:
e.g. Oral, IM, I.V., Rectal, Inunction, Intradermal subcutaneous, Intrathecal, Venepuncture, Topical, Instillation of drops, Ear and Eye irrigation etc.
- Drug control act
- Oral and Parenteral
- Setting Intravenous line
- Administration of I.V. fluids/blood
- Use of fluid intake and output chart.
- Dilution of lotions, suspensions/injections
- Calculation of dosages

Unit II: Aseptic Techniques

- Introduction/principles of aseptic techniques
- Standard precaution
- Sterilization, disinfection and decontamination
- Central Sterilizing Supply Department (CSSD)
- Theatre Sterile Supply Unit (TSSU)
- Techniques in the use of masks/gloves
- Scrubbing and donning of PPE
- Dressing of wound
- Removal of sutures
- Injection Procedure
- Care of drainage tube
- Isolation techniques/barrier nursing

Unit III: Injection Safety

- Risk associated with unsafe injection practices.

- Diseases/Conditions transmitted or caused by unsafe injection practices.
- Risk groups.
- Relationship between infection prevention and control and injection safety.
- Conditions causing risks to providers, patients and communities.
- WHO recommendations on injection safety.
- Filling of the monthly monitoring of injection safety devices form.
- Requisition for injection safety commodities, calculating and ordering commodities and supplies using the stock cards.
- National, Regional and Global Health Care Waste Management Policies and Laws.
- Basel convention.
- Stock holding conventions.
- United Nations packaging requirements, etc.

Unit IV: Unsafe Injection Practices

- Definition.
- Overview of the burden of unsafe injection practices.
- Unsafe injection practices that harm the recipient, health worker and community.
- Reasons for giving unsafe/unnecessary injections.
- Reasons for patients/clients not insisting on safe injections.

Unit V: Introduction to Healthcare Waste

- Risk and hazards of healthcare waste.
- Classification of healthcare waste.
- Importance of proper healthcare waste disposal.
- Key steps in healthcare waste management.
- Methods of healthcare waste disposal.

Course Title: **Individual, Group and Society**

Course Code: **SOLG 102**

Credit Units: **2**

This course is designed to introduce the students to sociological concepts and theories. It examines the nature society, social stratification and the relevance of the study of sociology in relation to health and illness states. Introduction to sociological concepts, definitions, history and sociological research. Roles, norms, socialization, culture and social process. Conformity and social control, social institutions, policies, religion, kinship. Economy and education, social mobility.

It considers the sociological perspectives of society, social institutions and complex organizations.

It emphasizes the role of man as a functioning member of society, Social interaction, social relations as basis for the development of social life. The role culture, beliefs and taboos.

Traditional society, modernization and urbanization. Social institution and complex social organization. Social problems and social welfare services.

Course Title: **Biostatistics**

Course Code: **COMMED 201**

Credit Units: **2**

The course introduces the student to the statistical process and various statistical methods in common use. It deals with the collection, compilation, analysis, presentation of data, and the drawing of conclusions from statistical analysis. Cumulative distributions. Measures of location and regression. Simple concepts of probability distribution and density. Basic inference about population, mean estimation and test based on large and small samples.

Course Title: Social formation in Arica
Course Code: SOLG204
Credit Units: 2

Introduction

This course is designed to facilitate students' understanding of concepts and principles in Sociology and Psychology. The relevance of these concepts and their influences on human behaviour in health and illness, are explored.

Course Objectives

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

1. Describe relevant terms and concepts in Sociology and Psychology.
2. Explain the role of social institutions in the overall wellbeing of individuals, families and communities.
3. Discuss social values and cultural determinants of diseases and health-illness behaviour.
4. Discuss the relationship within the health care environment, health practitioners and clients.
5. Demonstrate how to provide culturally-sensitive care to patients.
6. Discuss the theories of personality, human growth and development.
7. Demonstrate psychological methods in health care management.

Course Content

Unit I: Nature and Scope of Sociology

Definition of Concepts

Relevance of Sociology in Nursing

Founding fathers of Sociology and their contributions: - Auguste Comte, Herbert Spencer, Emile Durkheim, Max Webber and Karl Max

Introduction to Anthropology

- Social Stratification
- Relationship between Social Class and health status
- Social Change and Population Dynamics

Concept of Psychology
Branches of Psychology
Scientific Method
Relevance of Psychology to Nursing

Unit II: Social Process/Adaptive Processes

Socialization

Social institutions such as family, schools, religious institutions and their effects on the individual.

Organization of health care institutions

Health care delivery systems

Group/community concepts and influences on health

Unit III: Health Illness Behaviour

Culture, society, tradition and belief system

Relationship between culture, society and Nursing.

Influence of culture on health and illness.

Pathways to health care

Cultural factors influencing the acceptance and utilization of health care services.

Traditional and scientific medical beliefs

Transcultural Nursing

Unit IV: Relationships in Health Care Organizations

Formal organization and bureaucracy

Bureaucracy and organizational culture

Inter-professional relationship

Intra-professional relationship

Inter-personal relationship

Nurse-patient relationship

Unit V: Human Growth and Development

Principles of growth and development

Factors influencing growth and development

Theory of Psychosexual Development (Freud)

Theory of Psychosocial Development (Erikson)

Theory of Cognitive Development (Piaget)

Collective Unconsciousness (Carl Jung)

Theory of Basic Human Needs (Abraham Maslow)

Bases of mental health in family situations

Mother-child relationship

- Characteristics and problems associated with each stage of human development:
- Childhood
- Adolescence
- Adulthood
- Old Age

Unit VI: Human Emotions and Behaviour

Concept of human emotions and behaviour

Instinct and behaviour

Emotions and reflex action

The mind

Attitude, Motivation and intelligence etc.

Unit VIII: Psychological Methods used in Health Care Management

Psychotherapy

Counselling

Behaviour therapy

Group therapy

Group dynamics

Interpersonal relationship

Course Title: Human Anatomy

Course Code: ANAT209

Credit Units: 3

Introduction

The course introduce to the student outline of general anatomy, which include:

Terminologies cell biology

Basic histology

General embryology

Regional gross anatomy

Upper limb

Lower limb and

Thorax

Course Title: Human Anatomy II

Course Code: ANAT212

Credit Units: 3

This portion covers regional anatomy,

Abdomen

Pelvis and perineum

Head & Neck

Neuron anatomy.

The practical period shall involve demonstration of gross anatomy, bones, models and stained microscopic slides

Course Title: Introduction to Human Physiology I

Course Code: HPHY209

Credit Units: 5

This course introduces students to human physiology,

Cellular physiology,
Blood tissues and body fluids,
Cardiovascular system,
Central nervous system
Special senses.

Course Title: Introduction to Human Physiology II

Course Code: HPHY212

Credit Units: 4

This course introduces the students to:

Respiratory physiology
Renal Physiology
Gastro intestinal tract
Liver and Biliary system
Endocrine system
Reproduction and glands.

Course Title: Bio-Chemistry of Micro molecules

Course Code: BCHM241

Credit Units: 3

The course deals with the chemistry of important biological compounds stressing their bio-genesis and reaction mechanism. Introduction to biochemistry, introductory kinetics and energetic of enzyme action. Chemistry of proteins and enzymes. Chemistry and metabolism of carbohydrates.

- Lipids – Vitamins as co-enzymes. Interaction of metabolism.
- Oxidation – Nucleic acid. – RNA and protein synthesis.
- Diet – Food value – Vitamin deficiency

Course Title: Nigerian Government & Politics

Course Code: POLS201

Credit Units: 3

The course introduces the student to social organization and mechanisms of government. It stresses the needs and problems of politics as they affect Nigeria, Africa and the health professions.

Course Title: Fundamentals of Computer Science

Course Code: COSC265

Credit Units: 2

The course introduces the students to digital computer hardwares and sftwares; Historical perspective. Simple typical applications of digital computers to health and Nursing programmes.

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

1. Explain the basic concept of computer
2. Demonstrate the use of computer
3. Describe relevant health informatics concepts and electronic health records
4. Demonstrate skills in the use of Information Technology in patient care
5. Identify and use patient monitoring and care devices

Course Content

Unit 1: Introduction to Nursing Informatics

Definition & Concept of Nursing Informatics

Types of Nursing Informatics

Importance of Nursing Informatics

Tools of nursing informatics (-e.g.-)

o Computer

Definition of computer

Classification of computers

Components of a Computer

Basic software applications (Microsoft Word, Power Point, Excel Sheet, etc)

The
Internet

Unit II: Nursing Information Management

Concept of Electronic Health Records

- Definition
- Types

Data Access: Healthcare Data

Integration of Nursing Data

Documentation of Patient Assessment

Data quality, reporting and security

Information Retrieval System

Unit III: ICT in Nursing Practice

Technology trends applied to nursing e.g. Mobile Health, wearable devices

Human Computer Interface

Workplace ergonomics & electronics use

Application of Information System Technology to clinical practices

Tele-Health & Tele-Nursing

Electronic Communication- individual and group communication (e.g. Zoom, Google

Meets, Teams, Skype, Video Conference, Moodle, etc.)

UNIT IV: Monitoring & Care Devices

Diagnostic Devices. e.g. Ultra Sound, CT Scan, MRI

Monitoring devices. e.g. Pulse Oximetry, Cardiac Monitor/Telemetry, Video Surveillance

Direct Nursing delivery technology. e.g. I.V pumps, Barcode Medication Administration

Patient Assisted devices. e.g. Robotics, Patient transfer devices, Automated wheel chair Indirect Nursing care. e.g. Radio Frequency Identification System, Electronic Inventory System, Computerized Staffing System

Course Title: Biochemistry Practical

Course Code: BCHM247

Credit Units: 1

Classification and physical properties of carbohydrates, structure of glucose, projection and

perspective formulae; structure and properties of other monosaccharides, oligosaccharides and polysaccharides. Structure, properties and classification of amino acids, peptides. Reaction of specific amino acids, separation and sequence analysis of peptides, chemistry of proteins including their basic structural levels, and types of bonds stabilizing them. Properties, functions, and classifications of proteins, enzymes, vitamins and coenzymes. Forces that stabilize the three-dimensional structures, The structural levels of proteins, denaturation, renaturation, protein function, Ramachandran plots, X-ray crystallography of proteins, oxygen binding proteins (Hemoglobin, myoglobin), classification and properties of lipids, methods of analysis; lipoproteins, membranes and membrane structure. Chemistry of nucleic acid, (bases, sugars and phosphate acids, nucleosides, nucleotides, and nucleic acids). The structure and roles of RNA and DNA. Classification and nomenclature of enzymes. Kinetics of one-substrate enzymes catalyzed reactions (Michaelis-Menten equation), Enzymes inhibition kinetics.

Course Title: General Metabolism

Course Code: BCHM242

Credit Units: 1

The course provides an overview of degradation and digestion of carbohydrates, glycogenesis, glycogenolysis, glycolysis, tricarboxylic acid cycle, phosphogluconate pathway, Cori cycle and gluconeogenesis. Disorders of carbohydrate metabolism, High-energy compounds and their importance in biochemical reactions. Electron transport chain and oxidative phosphorylation. Regulation of ATP production, Oxidation of fatty acids. Formation and oxidation of ketone bodies, biosynthesis of fatty acids, triacylglycerols, phospholipids, glycolipids, cholesterol, acetyl Co-A as a central precursor for biosynthesis of lipids. Genetic disorders of lipid metabolisms. Hormonal control of metabolic pathways. Antimetabolites. Clinical correlation. Molecular basis and biochemical events in diabetes mellitus and its classifications, clinical correlation (heart failure), Fatty acid biosynthesis clinical correlation (Hyperlipidemia, cardiovascular diseases).

Amino acids pool and their sources, Transamination and its mechanism, Deamination, oxidative and non-oxidative, Metabolism of ammonia, Urea cycle-reaction, energetic and metabolic disorders, fate of carbon skeleton of amino acids, biosynthesis of amino acids and clinical correlation (haemoglobinopathy), In-born errors of amino acids metabolism, metabolisms of one-carbon unit, biogenic amines and polyamines – functions, biosynthesis, degradation and clinical importance. Metabolism of purine and pyrimidine, nucleosides and nucleotides (*de novo* and salvage), gene structure (prokaryotic and eukaryotic), central dogma: Replication, transcription and translation including post-transcriptional and post-translational modifications, DNA damage and

repair, gene mutation, site-directed mutagenesis, mutagenic agents and consequences of mutation, epigenetics, genetic recombination, genetic basis of diseases and gene therapy, cell cycle (phases and biochemical checkpoints)

Course Title: Philosophy, Logic and Human Existence

Course Code: GST 212

Credit Units: 2

Learning Objectives:

A student who has successfully gone through this course should be able to:

1. know the basic features of philosophy as an academic discipline;
2. identify the main branches of philosophy & the centrality of logic in philosophical discourse;
3. know the elementary rules of reasoning;
4. distinguish between valid and invalid arguments;
5. think critically and assess arguments in texts, conversations and day-to-day discussions;
6. critically assess the rationality or otherwise of human conduct under different existential conditions;
7. develop the capacity to extrapolate and deploy expertise in logic to other areas of knowledge, and
8. Guide his or her actions, using the knowledge and expertise acquired in philosophy and logic.

Course Contents

Scope of philosophy; notions, meanings, branches and problems of philosophy. Logic as an indispensable tool of philosophy. Elements of syllogism, symbolic logic— the first nine rules of inference. Informal fallacies, laws of thought, nature of arguments. Valid and invalid arguments, logic of form and logic of content deduction, induction and inferences. Creative and critical thinking. Impact of philosophy on human existence. Philosophy and politics, philosophy and human conduct, philosophy and religion, philosophy and human values, philosophy and character molding, etc.

Course Title: Entrepreneurship and Innovation

Course Code: ENT 211

Credit Units: 2

Learning Objectives:

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

1. Explain the concepts and theories of entrepreneurship, entrepreneurship, opportunity seeking, new value creation, and risk taking;
2. State the characteristics of an entrepreneur;
3. Analyze the importance of micro and small businesses in wealth creation, employment, and financial independence;
4. Engage in entrepreneurial thinking;
5. Identify key elements in innovation;
6. Describe stages in enterprise formation, partnership and networking including business planning;
7. Describe contemporary entrepreneurial issues in Nigeria, Africa and the rest of the world; and
8. State the basic principles of e-commerce.

Course Contents

Concept of entrepreneurship (entrepreneurship, entrepreneurship/corporate entrepreneurship,). Theories, rationale and relevance of entrepreneurship (Schumpeterian and other perspectives, risk-taking, necessity and opportunity-based entrepreneurship and creative destruction). Characteristics of entrepreneurs (opportunity seeker, risk taker, natural and nurtured, problem solver and change agent, innovator and creative thinker). Entrepreneurial thinking (critical thinking, reflective thinking, and creative thinking). Innovation (concept of innovation, dimensions of innovation, change and innovation, knowledge and innovation). Enterprise formation, partnership and networking (basics of business plan, forms of business ownership, business registration and forming alliances and joint ventures). Contemporary entrepreneurship issues (knowledge, skills and technology, intellectual property, virtual office, networking). Entrepreneurship in Nigeria (biography of inspirational entrepreneurs, youth and women entrepreneurship, entrepreneurship support institutions, youth enterprise networks and environmental and cultural barriers to entrepreneurship). Basic principles of e-commerce.

Course Title: Medical Microbiology and Parasitology

Course Code: M1CR286

Credit Units: 3

Introduction

Microbiology is the study of both unicellular and simple multicellular microscopic organisms (microorganisms). Medical Microbiology is concerned with the study of those microorganisms – bacteria, viruses, parasites and fungi that are detrimental to the health of man, by their ability to produce disease. The study of Microbiology at this level provides the student nurse the opportunity to acquire a broad knowledge about the different types of organisms, and their relevance in disease causation, as well as the application of microbiological principles in disease control.

Learning Objectives

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

1. Discuss the historical development of Microbiology and its contribution to medicine and health.
2. Classify microorganisms with their distinguishing features.
3. Discuss the general principles of disease process and infectious disease control.
4. Discuss the various microorganisms of clinical importance.
5. Identify the basic processes of immunology and immune response.
6. Interpret results of laboratory microbiological investigations.
7. Explain the principles of environmental sanitation and healthcare waste management.

Course Content

Unit I: Introduction

Definition of microbiological terms

History and development of Microbiology

Relevance of Microbiology to Nursing

Classification of microorganisms

Unit II: Infectious Process and Infectious Disease Control

Source, transmission and course of infection

Chain of spread (causative agent, reservoirs, carriers, portal of exit, mode of transmission, portal of entry and susceptible hosts).

Lesions produced by infective agents in the body

General signs and symptoms of infectious process

Principles of control of infectious diseases

- Hand washing, waste disposal, handling and disposal of sharps.
- Decontamination, disinfection and sterilization
- Principles of asepsis and application to sterile procedures/operating theatres.
- Disposal of infected materials and specimens.

Surveillance

Quarantine, isolation, contact tracing, case control and notification

Standard precautionary measures

Functions of the Infectious Control Unit of the hospital.

Unit III: Microorganisms of clinical importance

Normal flora

Description, mode of transmission, diagnosis, course and treatment of specific microorganisms

Microbiology of water, milk and food (water-borne, milk-borne and food-borne diseases).

Worm, larva and ova.

Unit IV: Introduction to Immunology and Immune Response

General principles and practice of Immunology

Antigens and Antibodies

Body's defences against microorganisms:

- Non-specific
- Specific

Classification of Immunity

Abnormal Immune responses

- Auto-immune response
- Anaphylaxis
- Serum Sickness
- Acquired Immune Deficiencies

Unit V: Diagnostic Microbiology

Collection of specimen for microbiological investigation

Isolation of microorganisms from different environments

Identification of different organisms/specific distinguishing features.

Incubation and examination of specimens under various test conditions

Microbiological tests of food, milk and water.

Unit VI: Environmental Aspects of Microbiology

Introduction to Entomology and Parasitology

Environmental sanitation and parasitic infections

Sewage and waste disposal

Water and air pollution

Health care waste disposal

- Risk and hazards of health care waste
- Classification of health care waste
- Importance of proper health care waste disposal
- Key steps in health care waste management
- Methods of health care waste disposal

Course Title: Foundation of Nursing III

Course Code: NURS 201

Credit Units: 3

Introduction

This course is designed to equip students with advanced knowledge and skills in patient care and emergency resuscitation. It also exposes students to the use of technology in nursing practice.

Course Objectives

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

1. Demonstrate skills in the management of patients with feeding and elimination problems
2. Demonstrate skills in emergency resuscitative care.
3. Demonstrate skills in oxygen administration.
4. Demonstrate skill in catheterization.
5. Demonstrate skills in management of urinary problems

Course Content

Unit I: Nursing Care of Patients with Feeding/Elimination Problems

- Passage and care of Nasogastric tube
- Nasogastric tube feeding
- Assisted feeding of patients
- Gastrostomy feeding

Care of Patients with bowel problems

- Constipation, diarrhoea and incontinence of faeces
- Barium enemata
- Flatulence/ Insertion of flatus tube
- Gastric lavage
- Rectal washout
- Colostomy care

Care of Patients with urinary problems

- Urinary retention, incontinence/stress incontinence
- Bougies and dilators
- Catheters/catheterisation
- Indwelling catheter
- Drainage
- Bladder irrigation.

Unit II: Basic Life Support

- Cardiopulmonary Resuscitation (CPR)
- Automated External Defibrillators (AED)
- Paediatric Advanced Life Support (PALS)
- Supporting respiratory functions
- Inhalation/Nelson's inhaler/Nebulization
- Steam tent
- Oxygen Administration: - intranasal, tent, and face mask
- Intermittent suction of the tracheobronchial tree.

UNIT III: Technologies used in Nursing

- Electronic blood pressure devices
- Cardiac monitors
- Infusion pumps
- Glucometer
- Pulse-oximeter
- Automated patient bed / Smart bed
- Use of simulators
- Electronic medical records

- Portable monitors
- Automated external defibrillators
- Infrared thermometer
- Ventilator, etc.

Course Title: Foundation of Nursing IV

Course Code: NURS 202

Credit Units: 3

Introduction

This course is designed to provide students with advanced knowledge and skills in specialised nursing procedures and management of medical-surgical emergencies.

Course Objectives

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

1. Demonstrate the ability to care for clients/patients with musculoskeletal dysfunction.
2. Prepare clients for special diagnostic procedures, and interpret the findings.
3. Manage some Medical and Surgical Emergencies.
4. Provide total comfort to clients/patients and their relatives in grief/dying.

Course Content

Unit I: Nursing Care of Patients with Musculoskeletal Injuries

- Maintaining muscular functions: range of motion: active and passive exercise, physiotherapy.
- Plaster of Paris (POP) and stockinet.
- Care of patients on traction: Skin traction, skeletal traction, Gallow's traction Skull traction, Cervical traction etc.

Unit II: Special Diagnostic Measures

- Preparing patients for special examinations such as Neurological Examination.
- Lumbar puncture
- Liver Biopsy/Liver function tests
- Fasting blood sugar.
- Barium swallow/meal.
- Gynaecological procedures e.g. Vulva swabbing etc.
- Intravenous pyelography
- Thoracocentesis, under water seal drainage
- Paracentesis abdomen

Unit III: First Aid Management of Patients with Medical/Surgical Emergencies

- Overview of medical/surgical emergencies
- shock
- fever
- haemorrhage
- Altered Level of Consciousness)
- Asphyxia
- Pain: Local application (compresses and poultices)
- Bites and Stings
- Fracture
- Poisoning

Unit IV: The dying patient

- Total care of the very ill patient
- Care of the dying patient (Kubler-Ross's stages of dying)
- Pathophysiology of the dying patient
- Grief and grieving process
- The Living "will" movement
- Support of relatives
- Certification of the dead patient/last offices.

Course Title: **General Cellular Pathology and Cytology**

Course Code: **PATH 312**

Credit Units: **3**

The course covers general mechanisms, the pathogenesis of disease and the dynamic nature of disease as it evolves from its incipient stage to its full expression. The effect of disease on organs and distant parts of the body are discussed. Pathology and the nature of disease. Chemistry of cell damage and the dying cell. Inflammation and infection. Inflammatory response and chemical mediators. Immunity and cellular immune response. Principles of repair and reorganization of cell structure.

Course Title: **Mental Health Nursing I**

Course Code: **NURS301**

Credit Units: **3**

This course enable the students to relate the knowledge of growth and development to mental health disorders and behavioural problems. It encourages her to develop an awareness of acceptance of behavioural changes of the mentally sick. The legal aspects of psychiatric nursing and the nurse's role are stressed. History of mental health movements, national and international. Growth and development: theories, relationship of growth and development of behaviour. Classification of mental health disorders, discussion of specific behaviours. Intervention by health care providers: individual and group approach, therapeutic care, behaviour management Nurses role, legal coverage.

Course Title: **Mental Health Nursing II**

Course Code: **NURS302**

Credit Units: **3**

The course deals with preventive aspects of mental health and involves the roles of Traditional healers as they effect the mental/psychiatric disease interpretation in urban and rural settings. The role of psychiatric health care in schools, industries and home. The nurse as therapeutic agent. Social issues affecting the nature of mental illness. Research and mental/psychiatric health, mental health, culture and the Nigerian society.

Course Title: Medical Surgical Nursing I

Course Code: NURS303

Credit Units: 4

The course is designed to equip students with the knowledge and skills required for the care of patients with Medical/Surgical conditions.

Learning Objectives

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

1. Demonstrate an understanding of basic concepts and terminologies in Medical-Surgical Nursing.
2. Demonstrate diagnostic measures used in medical/surgical conditions and interpret results.
3. Describe emerging diseases and factors that lead to their development.
4. Utilise the Nursing Process as a framework for the care of patients/clients.
5. Describe body defence mechanisms and associated problems.
6. Describe the principles of Operating Room Nursing.
7. Describe the concept and principles of rehabilitation.
8. Identify the roles of the individual, family, community, governmental and non-governmental organisations in rehabilitation.

Course Content

Unit I: Concepts and Terms in Medical Surgical Nursing

Concepts in Medical-Surgical Nursing

Models of Nursing care

Holistic care

Health – illness Continuum

Adaptation

Homeostasis

Stress

Illness Behaviour

Unit II: Critical Thinking and the Nursing Process

Critical Thinking

- o Rationality & Insight
- o Components of Critical Thinking
- o Critical Thinking in Nursing Practice

The Nursing Process

- o Definition
- o Components
- o Using the Nursing Process
- o Introduction to Standardized Nursing Language (SNL): NANDA I, NIC-NOC

Unit III: Diagnostic Measures

Background Information, steps, and roles of the Nurse before during and after, reporting and interpretation of findings in the following diagnostic measures:

Assessment

History taking

Physical examination

Vital signs, weight, height, apex beat and fetal heart beat

Health screening preparation

Urine testing

Blood analysis

Blood groups and cross matching

Urea and electrolytes

X-ray

Ultra sound

MRI

CT – SCAN

- Positron Emission Tomography (PET)

Unit IV: Common Situations that Threaten Adaptation

Definition, causes, signs and symptoms, pathophysiology, relevant theories, implication for Nursing and Nursing Process Application in the management of the following conditions:

Inflammation

Pain

Fatigue

Haemorrhage

Shock

Fever

Fluid and electrolyte imbalance

Asphyxia

Unconsciousness

Anxiety

Fear

Insomnia

Dyspnoea

Oedema

Stress

Fainting

Unit V: Management of Patients with Infectious Diseases

Review of related anatomy and physiology of the body defence system

Body Defence Mechanisms

The Infection Process

Preventing Infection in the Hospital

Emerging and Re-emerging Infectious Diseases: Monkeypox, Haemorrhagic fevers,

Unit VI: Principles of Operating Room Nursing

Operating Room

- Structure
- Types

- Modular Theatre
- Casualty Theatre
- Operating Room Nursing
- Perioperative Asepsis
- Operating Room Protocols
- Circulating
- Scrubbing
- Swabbing
- Needle counting
- Instrumentation

Roles of the Nurse in Peri-operative Care

Pre operative

Intra-operative

Post-operative care

Prevention of complications

Hazards of Operating Room Nursing

Biological

Chemical

Legal

Physical

Psychological

Social

Unit VII: Principles and Practice of Rehabilitation

Philosophy, scope and objectives of rehabilitation.

Concepts and process of rehabilitation.

Members of the rehabilitation team

Specific rehabilitation situations

Techniques of rehabilitation

Roles of the individual family, community, government and non-governmental organisations in rehabilitation.

Course Title: Medical Surgical Nursing II

Course Code: NURS304

Credit Units: 3

Introduction

Adult health problems require a wide range of skills to provide not only the necessary physical care but also psychological support. Hence the delivery of expert comprehensive care with an understanding of the full impact of the disorder on the individual's quality of life is very important. This course is therefore designed to equip students with knowledge and skills in the management of patients with problems of dermatologic, digestive, genito-urinary and respiratory systems.

Learning Objectives

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

1. Describe the structure and functions of the selected systems
2. Explain the diagnostic procedures used for selected disorders
3. Demonstrate skills in the managements of patients before, during and after diagnostic and systems.

Course content:

Unit I: Management of Clients with Problems of the Cardiovascular System

Anatomic and Physiologic overview

Assessment of clients with cardiovascular disorders

- Health history
- Physical assessment

Diagnostic evaluation

Conditions affecting the cardiovascular system

- Dysrhythmias
- Coronary artery disease
- Structural, infectious and inflammatory cardiac disorders
- Cardiac tumour and trauma surgery
- Vascular disorders and problems of peripheral circulation

Management of clients with cardiovascular problems using the nursing process

Nurse`s role in the prevention of cardiovascular problems

Special procedures: e.g., Electrocardiogram, Defibrillation etc.

Unit II: Management of clients with problems of the respiratory system

Anatomic and physiologic overview of the respiratory system

Assessment of clients with respiratory problems

- o Health history
- o Physical assessment
- o Psychosocial assessment

Review of diagnostic procedures and nurses role

Conditions affecting the respiratory system

- Upper airway infections
- Obstruction and trauma of the upper respiratory airway
- Lower respiratory tract infections
- Other chest disorders
- Occupational lung diseases
- Management of patients with respiratory disorders using the nursing process
- Nurses` roles in the prevention of respiratory conditions

Special procedures e. g. tracheostomy, under-water seal drainage, endotracheal intubation, thoracentesis and mechanical ventilation.

Unit III: Management of Clients with Problems of the Digestive System

Review of related anatomy and physiology of the digestive system

Assessment of clients with digestive disorders

Health history

Physical assessment

Review of diagnostic procedures used in digestive disorders e. g. gastric aspiration and analysis.

Conditions affecting the digestive system

- disorders of the mouth
- disorders of the oesophagus
- disorders of the stomach and duodenum

- disorders of small and large intestines

Nurse's role in the prevention of gastrointestinal conditions

Utilizing the nursing process in the management of patients with gastrointestinal disorders

Special procedures such as GI Endoscopy, Barium swallow, Barium enema, Gastric

Lavage, etc.

Unit IV: Management of Patients with Problems of Genito-Urinary System

Review of related anatomy and physiology of the genitor-urinary system

Assessment of clients with genitourinary disorders

Health history

Physical assessment

Review of diagnostic procedures used in genitourinary disorders e. g. intravenous pyelogram.

Conditions affecting the genitourinary system

- Glomerulonephritis (acute and chronic)
- Renal failure (acute and chronic)
- Nephrotic conditions of the kidneys
- Neoplastic conditions of genitourinary system
- Trauma

Nurse's role in the prevention of genitourinary conditions

Utilise the nursing process in the management of patients with genitourinary disorders

Special procedures: e.g. Intravenous pyelography etc.

Unit V: Management of Patients with Problems of Integumentary System

Review of related anatomy of the skin

Assessment of clients with problems of the skin, hair and nails. Health history Physical assessment

Review of diagnostic procedures used in integumentary disorders e. g. skin biopsy.

Conditions affecting the skin

- Burns
- Leprosy
- Dermatitis

- Dermatomycoses
- Other conditions affecting the skin

Nurse's role in the prevention of skin disorders

Utilize the nursing process in the management of patients with integumentary disorders.

Complications of skin disorders

Special procedures: eg. Mantoux test, skin snip etc.

Course Title: **Community Health Nursing I**

Course Code: **NURS305**

Credit Units: **3**

Introduction

Community Health Nursing is a community-oriented nursing practice that is population-focused. It is a specialty in nursing that promote community health and involves going into the community (homes, schools, recreational facilities, work settings, parishes, and even street corners). The course provides students with the knowledge, attitudes, and skills required to promote and maintain the health of individuals, families, and the community including care for special groups of people in the community.

Learning Objectives

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

1. Define community and identify the types of communities
2. Explain the functions of a community
3. Explain basic concepts and tools used in Community Health Nursing.

4. Demonstrate knowledge and skills to provide promotive, preventive, curative, and rehabilitative health care services in the community
5. Utilise available social and health resources to promote an optimum level of functioning among special groups of people.

Course Content

UNIT I: Community Health Nursing

CONTENTS

- Concept of community
 - o Types of communities in health considerations
 - o Characteristics of a community
 - o Functions of a community
 - o Characteristics of a healthy community
- Concept of public and community health nursing
- Significance of community health nursing
- Characteristics of community health nursing

Unit II: Basic Concepts and Tools used in Community Health Nursing

Terms used in community health practice

- Health maintenance
- Health promotion
- Disease prevention
- Rehabilitation etc.
- Health education (*suggestion*)

History and philosophy of community health nursing

Tools in community health nursing practice

- Weighing scale, measuring tape, delivery kit, home visiting kit, referral forms, stationery, etc.

Essential skills for community nursing practice

- Advocacy skills

Community health planning cycle

Community risk assessment

- Problem identification
- Community diagnosis
- Planning – Prioritisation, selection of appropriate options etc
- Intervention – Program implementation
- Monitoring and evaluation

Communication and interpersonal skills

- Multidisciplinary and inter-sectoral team approach in community health nursing
- Functions and responsibilities of the nurse in relation to other workers in the community

Unit III: School Health Programme

Objectives and scope of school health programme

Components of the school health programme:

The role of the school management, Parent-Teacher Association (PTA), and other relevant members of the community in meeting the needs of the school child

Day care centres and nurseries

First Aid (*suggestion*)

Family Life Education(*suggestion*)

Unit IV: Nursing Needs and Management of Special Groups in the Community

The gifted child and children at risk:

- The gifted child
- HIV Orphans
- Street children
- Delinquent children
- The girl child
- Available social and medical services for special children in the community

Aging and Care of the elderly

- Characteristics of the Elderly and Challenges of the Old Age(suggestion)
- Rehabilitation programs for the Elderly(suggestion)

Care of persons with physical disabilities

- Needs of persons with physical disabilities- physical, social, financial, spiritual, mental, etc
- Available medical and social services for persons with physical disabilities
- Rehabilitation of persons with physical disabilities

Other groups/issues

- Unemployed
- Vulnerable families
- Internally Displaced persons (IDPs) /refugees
- Gender discrimination/violence against women etc
- Child abuse
- Child trafficking

The role of government, non-governmental and voluntary agencies in the care of special groups of people.

Unit V: Harmful Traditional Practices:

Common traditional practices:

- Female Genital Mutilation – Types, Medicalisation of FGM, Health consequences, legal aspect etc
- Teenage bride and pregnancy
- Body scarification
- Male child preference
- Nutritional taboos
- Widow-hood rites etc.

Implication of harmful traditional practices to health

The role of the community nurse in the prevention of harmful traditional practices

Nursing management of victims of harmful traditional practices using the Nursing process.

Behavioural Change Communication (BCC) in the prevention of harmful practices

Unit II: Basic Concepts and Tools used in Community Health Nursing

Health education (*suggestion*)

Behavioural Change Communication – IPCC (Interpersonal Communication and

Counseling Skills

Unit IV: School Health Programme

First Aid (*suggestion*)

Family Life Education (*suggestion*)

Course Title: **Community Health Nursing II**

Course Code: **NURS308**

Credit Units: **3**

Introduction

This course is designed to expose students to general epidemiological terms, prevention, and control of communicable and non-communicable diseases. The epidemiology, distribution, and determinants of health-related states or events in human populations, as well as providing them with the necessary knowledge, attitudes, and skills for communicable and non-communicable disease control. It also introduces students to the fundamentals of data collection and utilisation in the context of vital statistics and disease notification.

Learning Objectives

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

1. Define basic epidemiological terms
2. Describe the concepts of communicable and non-communicable diseases
3. Demonstrate skills in the prevention and control of endemic and epidemic diseases in the community.
4. Develop skills in the collection of vital health statistics for feedback into the National Health Service data bank.

Course Content

Unit I: Introduction to Epidemiology

Definition of Terms: epidemiology, infectious agents, infective host, susceptible reservoir, route of transmission, source of infection, immunity, incubation period, outbreak, incidence, prevalence, communicable disease, endemic, epidemic, control, prevention, resistance, surveillance etc.

Unit II: Prevention and Control of Communicable Diseases

Concept of Communicable diseases

General Principles of Control of Communicable Diseases

- Elimination of the reservoir of infection - Isolation of patients, Quarantine and Destruction of the non-human reservoir
- Interruption of the pathway of transmission - Concepts of universal, standard and transmission-based precautions
- Protection of the susceptible host - Immunization, adequate nutrition, healthy lifestyle through BCC etc.

Control of infections through the gastrointestinal tract:

- Viral infections – poliomyelitis, viral hepatitis etc
- Bacterial – enteric fevers, cholera, food poisoning, gastro-enteritis etc
- Protozoal – amoebiasis, etc
- Helminthic:
 - o Nematodes (roundworms) – ascariasis, guinea worm, etc
 - o Cestodes (tapeworms) – Taeniasis, Hydatid disease, etc
 - o Trematodes (flukes) – paragonimiasis

Control of infections through skin and mucous membranes (Human Contact):

- Viral infections – HIV/AIDS, chicken pox, Lassa fever, Ebola virus, Covid 19, Zika virus, etc
- Protozoal infections – Trichomoniasis etc
- Bacterial infections –syphilis, leprosy, trachoma etc.
- Fungal infections – candidiasis etc
- Arthropod infections – scabies

Other Sources:

- Viral infections – rabies etc
- Bacterial infections – tetanus, anthrax,
- Helminthic infections – hookworm, schistosomiasis, etc.

Sexually transmitted infections:

- Viral and rickettsial infections - HIV/AIDS, herpes genitalis etc.
- Bacterial infections – gonorrhoea, syphilis etc.
- Protozoal infections - Trichomoniasis etc.

Control of infections through the respiratory tract

- Viral infections – measles, rubella, mumps, influenza, acute upper respiratory tract infection, chicken pox, etc.
- Rickettsial infections – Q fever, anaplasmosis, ehrlichiosis etc
- Bacterial infections – tuberculosis, pneumococcal pneumonia, meningitis, rheumatic fever, whooping cough, diphtheria etc.
- Fungal infections – histoplasmosis etc.

Control of arthropod borne infections

- Arbovirus infections – Yellow fever, dengue fever, etc
- Rickettsial infections – louse-borne typhus, African tick typhus, etc
- Bacterial infections – Plague, tick borne relapsing fever, etc
- Protozoal infections – malaria, trypanosomiasis etc
- Helminthic infections – filariasis, onchocerciasis etc

Unit III: Control of Non-Communicable Diseases

Chronic diseases – hypertension, diabetes etc

Mental disorders – substance abuse, smoking, stress etc

Nutritional disorders – micronutrient deficiencies

Genetic disorders – Sickle cell anaemia etc

Neoplasms – Cancers of the breast, cervix and lungs etc

Accidents, poisoning and violence

- Behavioural change communication strategies in the control of non-communicable diseases.

Unit IV: Principles of Epidemiologic Data Collection and Utilisation

Vital statistics

Disease surveillance

Notification of diseases.

Course Title: Maternal and Child Health I

Course Code: NURS 316

Credit Units: 3

The course deals with the health of the family during its child bearing and child rearing years, emphasizing the needs of mother and the newborn during the maternal cycle, the role of the nurse in family planning and genetic counseling. History of maternal and child health nursing. National and International. The reproductive phase of the life cycle. Obstetric and gynecological conditions. Family planning and family health. Application of the nine tenets of P.H.C. Child welfare and school health programmes. Family health care. Field work – 6 weeks Health care institution practice.

Course Title: Medical Surgical Nursing Practicum

Course Code: NURS 312

Credit Units: 2

The clinical posting/practical experience would expose the students to four weeks of concentrated experience in male/female medical and surgical wards during the long vacation of 200 level plus another five weeks of concentrated experience in male/female medical and surgical wards, Out-patient Department and causality during first semester of 300 level after which a practical examination will be taken.

Course Title: Pharmacodynamics and Chemotherapy

Course Code: PHCL 308

Credit Units: 2

The course is designed to enable the students acquire knowledge of the derivation, action and functions of drugs on the systems of the body. It considers problems of drug therapy and the contribution of traditional chemotherapeutic measures to health maintenance. Drugs: derivations and standardization, classification of drugs, dosage, administration and body's reaction to drug therapy, principles of therapy, prophylaxis and control of bacterial, parasitic and viral infections. Chemotherapy for parasitic infections. Therapeutic drugs and their action on cells, diet therapy, toxicology and drug abuse. Nurses role in drug therapy.

Course Title: Developmental Psychology

Course Code: EDPS 302

Credit Units: 2

This course is on development from conception through childhood, adolescence to adulthood. Theories of learning, Psychology of education and the nurse. Human growth and development. The nature and structure of intelligence. Individual differences. Determinants of health behaviors.

Course Title: Principles of Nursing Education

Course Code: NURS 403

Credit Units: 2

This course is designed to introduce the student to the principles of education and educational methodology. It stresses the role of the student as a teacher and health educator. Principles of education, of learning/learning philosophy and objectives of education in Nigeria. Relationship of the National policy and philosophy of education to the education of Nurses. Qualities of a teacher. Teacher/learner interaction. The learning environment. The learner. Deductive and inductive reasoning concepts of motivation. Development of instructional objectives. Development of course content. Methods of evaluation.

Learning Objectives

1. Utilise the principles of teaching and learning for client education in different settings.
2. Utilise appropriate teaching techniques to assist individuals, families and communities take responsibility for their health.
3. Recognise the importance of continuing education in the enhancement of personal and professional growth.

Course Title: Management of Nursing care Services

Course Code: NURS 402

Credit Units: 3

Introduction

The course covers the principles and techniques of Management and their application to Nursing. It fosters effective interpersonal relationship and maintenance of efficient and coordinated activities at all levels of health care. It also develops the leadership skills of a nurse.

Learning Objectives

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

4. Apply the principles of delegation, authority, and responsibility in nursing service administration

5. Utilise the concept of management by objectives (MBO) in the management of health care services
6. Use relevant leadership styles in accomplishing organisational goals
7. Utilise human and material resources effectively and efficiently within the health care system.
8. Demonstrate competence in the use of managerial skills for quality assurance in health care.
9. Utilise appropriate teaching techniques to assist individuals, families and communities take responsibility for their health.
10. Apply management and audit principles in evaluating nursing activities.

Course Content

Unit I: Management

Philosophy, principles and theories of Management

Functions of management

Planning

- Types of plan – operational, tactical, strategic, long-term, short term etc
- Characteristics of a good plan
- Decision making process

Organising

- Structure/design of organisations

Staffing

- Interdepartmental relationship and communication

Directing

- Leadership
- Delegation of responsibility
- Authority
- Supervision and accountability

Controlling

- Establishment of standards
- Job performance evaluation
- Discipline
- Financial control - Accounting and Budgeting

Unit II: Objectives in health administration

Setting clearly defined objectives

Personal versus organisational objectives

Hierarchy of objectives

Management by objectives – MBO

Application of MBO to health care management

Unit III: Leadership Dynamics

Concept and theories of leadership

Leadership styles, qualities

Motivation

- Theories of motivation
- Application of theories of motivation to nursing
- Role of motivation in health care services

Unit IV: Management of Resources

Man

Materials – drugs and supplies

Money

Time

Space – land, buildings and infrastructure

Unit V: Conflict Management and Resolution

Definition of conflicts

Antecedents to conflicts

Types of conflicts

Management of conflicts

Emotional intelligence

Unit VI: Application of Principles of Management to Nursing Practice

Organisation of the unit

Role of the nurse in the management of the unit

The politics of health services

Unit VII: Evaluation Process

Principles, purposes and importance of evaluation

Evaluation techniques

Management audit

Unit VIII: Administrative Laws Relevant to Nursing

Rules and regulations of the civil service

Public agencies/corporations

Public accountability - checks and balances

Nurses' legal status and hospital liabilities

Clients' rights and liabilities

Vicarious liabilities

Negligence and malpractice

Course Title: Medical Jurisprudence

Course Code: LAWN 414

Credit Units: 2

Introduction

The course introduces students to the ethico-legal issues in Nursing. It highlights the code of ethics, decrees and regulations applied to the Nursing profession. It further elaborates on the right and responsibilities of a nurse, legal roles of a nurse, common offences and legal protection of a nurse.

Course Objectives

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

1. Explain the concept of ethics and principle of standard of practice in Nursing.
2. Describe the legal roles and rights of the Nurse.
3. Explain the regulation of Nursing education and practice
4. Explain active failures and latent errors

Course Content

Unit I: Ethical Concept in Nursing

Value and value clarification

Morality

Ethics/Etiquette in Nursing

Code of ethics (ICN/ICM)

Ethics and Standard of Practice (confidentiality, informed consent, care of patients'

property, clinical trial, controlled substance, signing of legal documents).

Quality of a good nurse

Work attitude

Ethical dilemma and model of resolving ethical dilemma

Unit II: Regulation of Nursing

Nursing and Midwifery Council of Nigeria; Structure and Direction, Standard and Regulation of training and practice, Licensure requirement and disciplinary measures, Continuing Professional Development, etc

Rights and responsibilities of a nurse

Human rights and Patient's bill of rights

Professionalism; National and International (ICN, ICM, NANNM, etc)

Unit III: The Legal aspect of Nursing

Legal roles of the nurse as a:

- Provider of service
- Employer
- Private citizen

Nursing Legislation in Nigeria

Nursing Practice Act

- Decree No. 89 of 1979 and amended decree No. 54 of 1988, No. 18 of 1989

Common Offences

- Tort
- Negligence
- Malpractice
- Assault and battery
- False imprisonment
- Invasion of privacy
- Vicarious Liability
- Infringement of patient's right
- Criminal offences
 - o Manslaughter
 - o Infanticide
- Latent errors and active failures

Legal Safeguards in Nursing practice

- Record keeping
- Incident report
- Provision of competent care
- Good Samaritan Act
- Professional Liability
- Indemnity Insurance

Course Title: Nutrition in Health and Illness

Course Code: COMM 406

Credit Units: 2

The course discusses the historical perspectives of nutrition as a science. The nutritional values of food and its effects on health is emphasized. Food purchasing, presentation preparation and diet therapy are studied to enable the student provide well balanced diets to diets and patients.

- Historical perspectives – Nutrition as a science-Classification of food and their nutrients-

Relationship for digestion and absorption of foods

- Nutrient quality of local foods, diets-selection, and formulation of balanced & weaning diets-Use of food composition tables
- Nutrient requirement and recommended daily caloric requirements
- Food in relation to life cycle-Dietetic and diet in illness.

Dietary Counselling and Supplementation

Principles of Dietary Counselling

Process of Dietary Counselling

Dietary counselling in Medical/Surgical Conditions including Psychiatry, Obstetrics and

Paediatrics

Use of Nutritional/Dietary Supplements

Course Title: Systemic Pharmacology
Course Code: PHCL 407
Credit Units: 2

Introduction

The course provides information on drugs used in the management of various systemic disorders and midwifery practice. Emphasis is laid on identification, dosage, indications and contraindications, routes of administration, nursing implications and management of side effects.

Learning Objectives

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

1. Identify drugs used for different systemic disorders.
2. Discuss the indications and contraindication of drugs.
3. Discuss the dosages and routes of administration in adults and children.
4. Describe the role of the nurse in drug administration and management of side effects.

Course Content

Unit 1: Cardiovascular System

Drugs used in the treatment of congestive cardiac failure.

Drugs used in the treatment of hypertension.

Antiarrhythmic drugs.

Antianginal drugs

Anticoagulants

Haematinics

Unit II: Respiratory System

Anti-tussive agents.
Bronchodilators
Expectorants
Antibiotics and anti-infectives.
Sympathomimetics
Anti-Tuberculosis drugs

Unit III: Gastrointestinal System

Drugs used in the treatment of peptic ulcers.
Purgatives: anti-diarrhoeal agents.
Anti-spasmodic agents.
Antiprotozoal
Antiemetics
Anthelminthics
Rational drug use

Unit IV: Musculo-skeletal System

Analgesic drugs
Anaesthetic agents
Steroidal, non-steroidal anti-inflammatory drugs.
Neuro-muscular blockers.
Anticholinergic drugs

Unit V: Central Nervous System

Hypnotics/sedatives.
Anti-convulsants drugs.
Tranquilizers.
Psychoactive substance.
Antipsychotic drugs
Anticholinergic drugs

Unit VI: Endocrine System

Hypoglycemic drugs.

Drugs used in the treatment of hypothyroidism.

Drugs used in the treatment of hyperthyroidism.

Steroids

Unit VII: Genito Urinary System

Diuretics

Antibiotics

Antifungal

Cystine-binding Agents

Anticholinergics

Course Title: Medical Surgical Nursing IV

Course Code: NURS 401

Credit Units: 2

This course focuses on special areas in medico surgical Nursing such as ophthalmic (eye) ear, nose and throat (E.N.T) Dermatological conditions. Nervous system disorders

Course Title: Medical Surgical Nursing V

Course Code: NURS 412

Credit Units: 3

Introduction

The course is designed to provide students with the knowledge of the care of patients of all ages with oncological problems and critical conditions.

Learning Objectives

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

1. Discuss the concept of Oncology Nursing.

2. Explain the principles of Critical Care Nursing.
3. Describe the role of the nurse in gerontological care
4. Discuss the concept and principles of palliative care

Unit I: Oncology

Epidemiology of malignant conditions

Pathophysiology of the malignant process

Detection and protection of Cancer

Diagnosis of cancer and related Nursing considerations

Concepts and terminologies in cell proliferation

Types and characteristics of neoplastic disease

Characteristics of benign and malignant cells

Pathophysiology of neoplastic disorders

Management of patients with cancer Medical intervention and Nursing management during treatment and surgery

The role of Lifestyle in the prevention and management of cancers

o Dietary Modification

- o Social & Behavioural Modification
 - Rehabilitation of patients with cancer
 - Nurses' role in the prevention of neoplastic diseases
 - Oncologic emergencies

Unit II: Critical Care Nursing

- History of Critical Care Nursing
- Assessment of patients and diagnostic investigations
- Prevention/early detection of complications
- Care and monitoring of specific patients
- Basic Life Support
- Cardiopulmonary resuscitation
- Utilizing the nursing process in the management of disease conditions
- Management of patients on pacemaker and mechanical ventilation
- Use and maintenance of resuscitative equipment
- Legal implications in Nursing
- Critical Care in the community
- Flying Nurses, Boat Nurses.

Unit III: Gerontology

- Overview
- Definitions
- Physiological and psychological changes in the elderly
- Needs of the elderly
- Nursing care of the elderly
- Strategies for rehabilitation
- Roles of various groups

Unit IV: Palliative Care

Overview of palliative care
Concepts
Principles of palliative care
Clinical and pain assessment
Communication with patients and their families
Ethical and Human Right issues in end of life
Grief, Loss and Bereavement
Management
Nursing care at the end of life
Care and Support
Pain management
Management of symptoms other than pain
Psycho-social issues
Nutritional care

Course Title: **Research Methodology I**
Course Code: **NURS 404**
Credit Units: **3**

The course introduces students to the methods of conducting research, how to use the scientific method to identify, study, and solve Nursing problems. Issues pertaining to the conceptualization of a study, such as the formulation of research questions and hypotheses, as well as the development of theoretical contexts, will be discussed. Also included is an overview of qualitative and quantitative designs as well as sampling techniques, data analysis, and communication of research findings.

Learning Objectives

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

1. Define Nursing Research
2. Explain the steps in research process
3. Describe the importance of research to Nursing as a profession
4. Discuss the contributions of research to enhance nursing practice, education, and management.

5. Describe the steps in the research process.
6. Apply the principles of hypothesis formulation, data collection, analysis, and interpretation of research findings.

Course Content

Unit I: Overview of Research

Research and other related concepts

Methods of inquiry/sources of Human Knowledge

Classifications of Research

Unit II: Nature and Functions of Research

Characteristics/features of Research

Problems and Limitations of Research

Evolution of Nursing Research

Importance/contributions of Research to Nursing

Nurse's Role in Research

Nursing Research: Challenges and Opportunities

Unit III: Steps in the Research Process

The stages in the research process:

- o Problem identification

- Sources of the research problem

- Criteria for selection of research problem

- o Reviewing the literature

- Sources of literature

- Referencing and citation

- o Setting research questions, objectives, and hypotheses

- o Conceptual and Theoretical framework in Nursing Research

- o Choosing the study design

- o Deciding on the sample design

- o Data collection

- o Processing and analyzing data

- o Writing the report

Course Title: Teaching and Management Practice.

Course Code: NURS 406

Credit Units: 2

The course enables the student to utilize the principles and techniques of teaching and management, in health care settings. Opportunity is given for health education at the primary secondary and tertiary levels of health care.

Course Title: Nursing Seminar

Course Code: NURS 408

Credit Units: 3

The course is designed to enable student identify issues and trends in Nursing and health care. In-depth knowledge is derived through literature review and interaction with members of the health team. Care studies will also be presented.

Course Title: Pediatric Nursing Practicum

Course Code: NURS 411

Credit Units: 3

There would be a concentrated clinical/practical experience in paediatric wards(s) for a period of six (6) weeks during first Semester of 400 level with practical examination.

Course Title: **Maternal & Child Health Iii**

Course Code: **NURS 418**

Credit Units: **2**

The course is designed to enable the student transfer to theoretical knowledge of maternal and child health Nursing growth and development, child health and genetics to practice settings. Family care studies are essential. Domiciliary midwifery practice. N.P.I. & O.R.T.

Course Title: **Paediatric Nursing**

Course Code: **NURS 411**

Credit Units: **2**

This Pediatric Nursing course provides information and instructions on foundational concepts and principles of nursing care related to Pediatric health concerns in the hospital and/or community settings. This includes applying knowledge and skills required in nursing care for families with children. The goal is to provide a strong foundation in nursing theory, critical thinking and clinical judgment, evidence-based practice, and safe clinical care in all settings for children's health.

The scope of pediatric nursing practice varies widely depending on the country, the national and regional government, and professional regulatory agencies. This course addresses nursing skills and practices on several levels to be relevant to the global pediatric nursing community. It is the nurse's responsibility to know what particular regulations apply to their practice area.

Course Title: **Curriculum Development in Nursing Education**

Course Code: **NURS 405**

Credit Units: **1**

This course is designed to introduce the student to the principles of education and educational methodology. It stresses the role of the student as a teacher and health educator. Principles of

education, of learning/learning philosophy and objectives of education in Nigeria. Relationship of the National policy and philosophy of education to the education of Nurses. Qualities of a teacher. Teacher/learner interaction. The learning environment. The learner deductive and inductive reasoning concepts of motivation. Development of instructional objectives. Development of course content. Methods of evaluation.

It also introduces the student to curriculum development and principles of teaching and learning. It provides the foundation in acquisition of knowledge and skill for effective teaching in the classroom and clinical situations. Application of selected theories of learning. Traditional and international teaching methods as they apply to health education. Educational communication media. Development and implementation of teaching plans in clinical settings

Course Title:	Research Methodology II
Course Code:	NURS 509
Credit Units:	2

Introduction

This course is designed to equip students with the knowledge and skills to carry out independent Nursing research as well as introduce them to the process of disseminating research findings.

Learning Objectives

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

1. Discuss research designs and data collection methods.
2. Write a research proposal
3. Apply the knowledge of the research process acquired to initiate, implement and write a research project in a relevant area of Nursing.
4. Demonstrate an understanding of basic data analysis and its presentation.
5. Explain ways of disseminating research results.

Course Content

Unit I: Materials and Methods

Research Designs

- Definition
- Types
- Quantitative vs Qualitative Designs
- Quantitative research designs: Experimental design Non – experimental designs; Descriptive, Cross-sectional, Longitudinal, Correlational, Explanatory, Retrospective, Prospective designs, etc.

Population, sample, and sampling techniques

Ethical considerations

Data collection

Instruments for and methods of data collection

Questionnaire, Checklist, interview, observation, etc

Validity and Reliability

Unit II: Data Analysis, Interpretation and Presentation of Results

- Recognizing data
- Organization and interpretation of data
- Presentation of results
- Discussion of findings

Unit III: Research Proposal Writing

Overview of the Concept of Research proposal

Steps in research proposal writing

Writing a research report

Unit IV: Dissemination and Utilization of Research Findings

Disseminating research findings and channels for dissemination of research findings

Utilising research findings

Introduction to research Critique

Course Title: Research Project

Course Code: NURS 504

Credit Units: 6

Students are guided in the development, execution and writing of their research project

Course Title: Public Health Nursing I

Course Code: NURS 509

Credit Units: 4

This course provides opportunity for the student to acquire knowledge skills and attitudes adequate for working efficiently in public health and primary health care settings to meet the health needs of the individuals, families and communities. It involves the utilization of public health and primary health care strategies to manage health care. Introductory philosophy, concepts and principles of public health and primary health care. The community. Information, education and communication. Clinical skills in primary health care.

Course Title: Public Health Nursing II

Course Code: NURS 502

Credit Units: 4

The course provides the opportunity for the student to demonstrate understanding of the components of P.H.C, to provide promotive, preventive, curative and rehabilitative services. To utilize relevant information on two way referral system for effective continuity of client care. To demonstrate skill in inter-sectoral and inter-disciplinary collaboration in the provision of health care. Training and management in P.H.C.

Course Title: Obstetric and Gynaecology Clinical Posting

Course Code: NURS 505

Credit Units: 3

There would be concentrated midwifery posting of 8 weeks to obstetric ward, antenatal, etc with practical examination.

Course Title: Labour Ward Clinical Posting

Course Code: NURS 507

Credit Units: 3

There would be concentrated midwifery posting of 8 weeks to labour ward, postnatal, delivery room etc with practical examination.

Course Title: Clinical Posting + Practical Examination

Course Code: NURS 508

Credit Units: 3

There would be concentrated general posting of 8 weeks to with practical examination.

Health Economics/Entrepreneurship in Nursing

Course Code: NUR506

Placement: Fifth Year (Second Semester)

Duration: 75hours (Lecture - 15 Hours; 45Hours – Practical)

Credit Units: 2

Introduction

This course provides an overview of implementing innovative, inventive, and business ideas in health care, and nursing practice. It prepares students to combine nursing knowledge and skills to develop successful professional ventures that centre on standard nursing care delivery while maintaining professional standards.

Learning Objectives

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

1. Describe the factors affecting the supply and demand of health care services.
2. Analyse various types of health care costs and types of budgets
3. Discuss political and socio-economic factors influencing the Nigerian economy and their effects on the provision of health care services.
4. Discuss the concepts of entrepreneur, entrepreneurship, and enterprise
5. Describe the evolution of nursing entrepreneurship and policy measures promoting entrepreneurship in Nigeria

6. Describe entrepreneurial characteristics, type, attitude, and importance in nursing
7. Discuss the role of entrepreneurship in the economic development of health care
8. Discuss factors determining success in nursing entrepreneurship
9. Discuss strategies for the development of effective nursing entrepreneurship

Course Content

Unit I: Introduction to Health Economics

Concepts in health economics e.g., supply demand externalities of health care, opportunity cost, economic price, equilibrium, etc.

Supply and demand in health services.

Factors affecting supply and demand of health services.

Free-market economy in health care

Unit II: Cost and Budgeting in Health Care

- Types of health care costs
- Elements of cost
- Costing of Nursing services
- Budgeting for health care services.
- Economic appraisal in health care

Unit III: Health Care Financing and Insurance Scheme

Concept of health care financing

- o The importance of proper funding at all levels of health care.
- o Sources of health care financing in Nigeria
- o Community Health Care financing methods.
- o New approaches to the management of health care services – private-public partnership, outsourcing.
- o Importance of efficiency, effectiveness, and equity in the choice of the financing system.

Health insurance scheme – national, state, private, community

- Use of health maintenance organisations (HMOs) with examples
- Malpractice Insurance
- Registration / Licensing of health care providers
- Classification of health providers

- The role of non-governmental and International Agencies in health care financing.

Unit IV: Economic Influences on Health Care

The economic influences on health e.g., funding manpower needs, drug supply etc.

The importance of proper funding at all levels of health care.

Various sectors of collaboration at all levels of health care.

Methods of funding for all levels of health care (primary, secondary, tertiary levels).

The role of the nurse in health planning at all levels of health care.

Unit V: Entrepreneur, Entrepreneurship, and Enterprise

Concepts of enterprise, entrepreneur, entrepreneurship and entrepreneurial mindset

Characteristics and types of entrepreneurship and enterprises

Types of entrepreneurs and their attitude

Technological and social entrepreneurship

Theories of entrepreneurship

Factors promoting entrepreneurial practice

Wage employment and self-employment

Nigeria business terrain

Role of entrepreneurship in wealth creation

Ethical and social responsibilities of entrepreneurs

Unit VI: -The Entrepreneurial Journey, Steps, Risk, and Gain

Entrepreneurial journey

Steps, decisions, and actions involved in the entrepreneurial journey

Rewards and risks of the entrepreneurial journey

ABC analysis

Sense of innovation, creativity, and independence in entrepreneurship

The process of acquiring a high sense of information seeking and ability in operating an enterprise.

Problem-solving techniques in overcoming internal and external constraints

The role of mentoring in entrepreneurship

Unit VII: Factors for Success in Entrepreneurship

Key competencies required in setting up a successful small business (knowledge, skill, and traits).

Leadership and leadership skills (mobilising resources for establishing an enterprise).

Success factors in setting up a small business: Resources, Ability, Motivation and

Determination, Idea and Market, etc.

Individual life goals and entrepreneurship

Business games and the behavioral pattern observed: moderate risk-taking, goal setting, and learning from feedback.

Taking personal responsibility, confidence, and self-reliance

Strategies for the development of effective nursing entrepreneurship

Unit VIII: Introduction to Entrepreneurship in Nursing

Historical antecedents in the emergence of entrepreneurship in nursing

Typology of nursing entrepreneurship

Characteristics of Nurse entrepreneur

Stakeholders in entrepreneurship

- o Regulatory agencies

- o Professional associations

Challenges of entrepreneurship in nursing

Networking in Nursing Entrepreneurship: Local, National, and International

Unit IX: Entrepreneurship Opportunities in Nigeria

Establishment of Nursing and Maternity homes

Establishment of patent medicine stores

Other entrepreneurship opportunities allowed by law

Unit X: Transition to Professional Nursing practice

New trends in healthcare

The evolving role of nurses

Advancing the scope of nursing practice.

Transition from student to a professional Nurse.

Effective teamwork

Mentorship in Nursing

Nursing career paths and opportunities

Professional Identity & Self-Awareness