



Usmanu Danfodiyo University, Sokoto

College of Health Science

Faculty of Allied Health Sciences

DEPARTMENT OF NURSING SCIENCES

Students' Hand Book

2023

Postal Address

This Students' Handbook is an overview of Department of Nursing Sciences' education policies and procedures. Its purpose is to serve as a guide for the student body.

Administrative office:

Head of Department's Office,

First Floor, Department of Nursing Sciences' Building
Teaching Hospital Complex,
Usmanu Danfodiyo University Teaching Hospital
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Policy Statement

Policies contained herein were current at the time of publishing of this handbook and are subject to changes without notice. This catalog supersedes all previous editions and is in effect until a subsequent version is published either in print or online

Non-Discrimination Statement

Department of Nursing Sciences, Usmanu Danfodiyo University, and all its programs operating under its auspices, does not discriminate on the basis of age, race, religion, ancestry, gender, sexual orientation, physical ability, national origin or other legally protected classifications.

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Department of Nursing Sciences at a glance

Year Founded: 2012

Facilities: Well-equipped laboratories, 2 dedicated classrooms, 2 shared class rooms (ranging in capacity from 75 to 150), Tutorial room, 3 skills laboratories, shared Lecture theater (500 seat), study and student lounge areas, Nursing Library, wireless and fiber-optic technologies, e-Library & Learning Resource Centre. In addition, Department of Nursing Sciences has fully equipped teaching hospital with advanced facilities in all clinical fields, including Centres of excellence in Neurosurgery, Pediatrics, Urology, and Radiotherapy and Radio diagnostic facilities.

Programme Offered: Bachelor of Nursing Science.

Language of Instruction: English

Administration of the Department of Nursing Sciences

Head of Department:

Dr Auwalu Muhammed, *RN, RM, BNSc, MSc, PhD*,

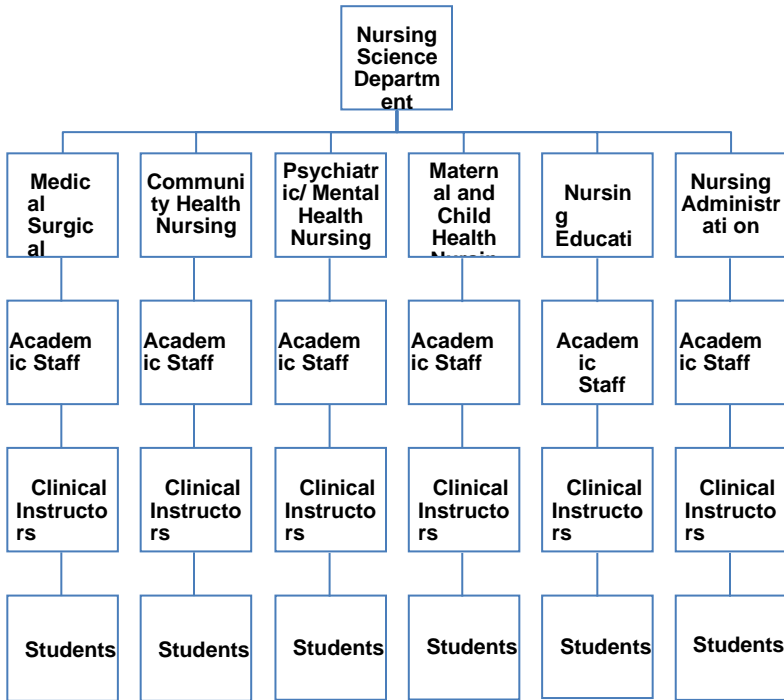
Dean, Faculty of Allied Health Sciences:

Dr. Abdurrahman Muhammad Sani, *RN, RM, RPHN, BNSc, MSc, PhD, FWACN, NIM*

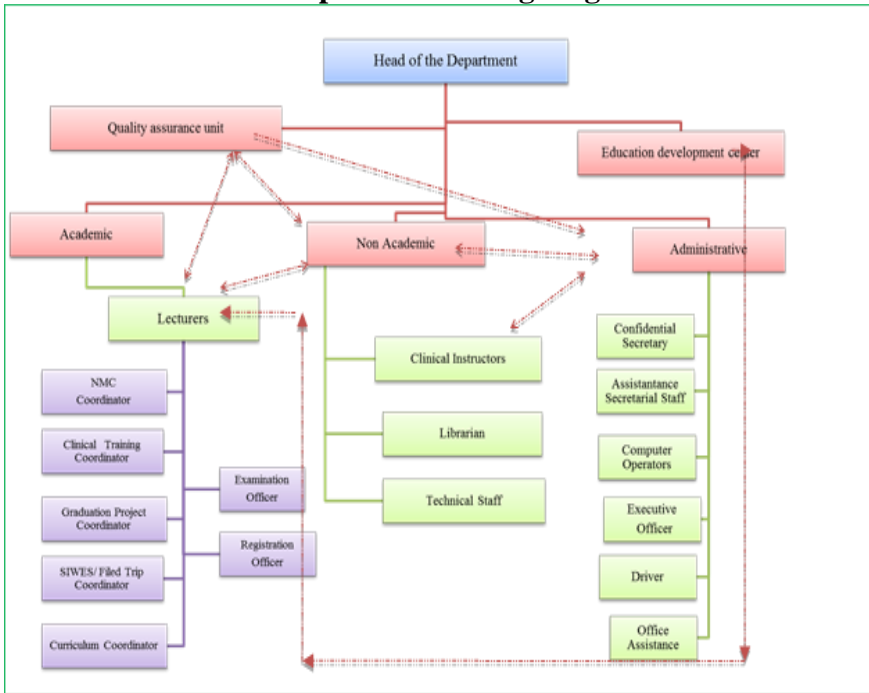
Provost, College of Health Sciences:

Professor S. A. Saidu, *MBBS, FWACS*

Academic Sub Units of The Department



Departmental Organogram



Foreword

This is the fourth edition of students' handbook since the establishment of Department of Nursing Sciences of Usmanu Danfodiyo University Sokoto in 2012. The handbook will serve as a guide to students and staff on the rules and regulations and other issues related of the Department. The handbook contains brief history of the Department of Nursing Sciences. The book also captured the Departmental mission, vision and philosophy, rules and regulations, list of staff, relevant organizational charts and detailed information about the BNSc programme curriculum.

The Department of Nursing Sciences was established in 2012 with the aim of training competent, and polyvalent nursing staff who will meet the manpower needs of the diverse health care setting in Nigeria.

The Department appreciate the University Management under the leadership of Prof L. S. Bilbis; the Vice Chancellor for giving us all that the Department needed to grow and develop within the shortest possible time. We also appreciate the support of the Provost of College of Health Sciences; Prof S. A. Saidu and all other deans, Head of Departments and staff of the University.

It is hoped that this handbook will be used as a reference material by the staff and students of the Department.

Please I enjoy you to make good use of the hand book.

Dr. Auwalu Muhammed

Ag. Head of Department

Brief History of Department of Nursing Sciences

The National University Commission of Nigeria granted approval for the commencement of Bachelor of Nursing Science programme and the programme commenced in 2012/2013 session. The Department initially was placed as a department under the College of Health Sciences. Following the upgrade and creation of 2 faculties in the college of Health Sciences, the Nursing Sciences' Department was placed under the Faculty of Clinical Sciences until 2019 when the University established Faculty of Allied Sciences which Nursing Sciences Department was placed.

The Department started under the leadership of Alh. Faruk Umar Abubakar as a visiting lecturer and Ag. Head of Department with thirty (30) students admitted through UME into 100 level in 2012/2013.

Motto: Service with Knowledge and Skills.

Vision: To achieve excellence in education, training, research and community service in all of nursing specialties.

Mission of the Department: Department of Nursing Sciences is committed to the application of quality standards in the preparation of the students who are able to provide comprehensive nursing care for individuals and community during health and illness, and enhance their skills and career development in different health care settings at the local, national and international level.

Philosophy of the Department

The philosophy of the Department of Nursing Sciences, Faculty of Allied Health Sciences, Usmanu Danfodiyo University Sokoto, takes cognizance of the philosophy of nursing profession vis-a-vis the philosophy of education in Nigeria.

1. The Nursing profession believes that man is a bio-psychosocial being and his needs are the focus of all nursing activities. Man is a member of a family and families make up communities.

2. The health care systems exist to meet the needs of the consumers of health care by providing primary, secondary and tertiary health maintenance activities to ensure that individuals, families, groups and communities are assisted to maintain a high level of wellness.
3. The human environment is a major factor in man's status. It is therefore necessary to conceptualize the individual and the environment as open systems engaged in continuous and dynamic interaction.
4. University education is the key to the growth of a profession. Optimal professional nursing education can be achieved in an institution of higher learning that provided a foundation for general education in the various sciences and arts.
5. Nursing is a science based on the knowledge of behaviour that enables changes in the client system to be monitored by utilizing the scientific method of enquiry while providing nursing intervention to individuals, families, groups and communities at the primary, secondary and tertiary levels of health care.
6. Professional nursing education is built upon theoretical base that seeks to develop continuous self-directed practice. Current health care demands, require an innovative approach in professional preparation and a curriculum that is responsive to the needs of the society.

The Values adopted by the Department:

Excellence -Quality- Commitment- Leadership– Justice-Respect - team spirit-Continuing Education–innovation and creativity.

University Address

Usmanu Danodiyo University, Sokoto,
Main Campus Sokoto. Nigeria.
Postal address: P.M.B. 2346
Web site: www.udusok.edu.ng

Departmental Address

Department of Nursing Sciences,
Faculty of Allied Health Sciences,
Teaching Hospital Complex
Usmanu Danfodiyo University Teaching Hospital,
C.H.S. U.D.U. Sokoto.

The department is situated Behind the Institute of Child Health,
U.D.U.T.H. Sokoto close to the school of Nursing and Midwifery
U.D.U.T.H., Sokoto.

PHILOSOPHY AND OBJECTIVES OF THE UNIVERSITY

The philosophy and objectives of the University are:

- a) To encourage the advancement of learning and to hold out to all persons, without distinction of race, creed, sex or political conviction, the opportunity of acquiring a higher and liberal education;
- b) To provide courses of instruction and other facilities for the pursuit of learning in all its branches, and to make those facilities available on proper terms to such persons as are equipped to benefit from them;
- c) To encourage and promote scholarship and conduct research in all fields of learning and human endeavor;
- d) To relate its activities to the social, cultural and economic needs of the people of Nigeria;
- e) To undertake any activities, appropriate for a University of the highest standard;

Vision

To be a Centre of excellence in teaching, research and community service in all fields of human endeavor; and

Mission

To provide quality teaching, research and community service under the most conducive atmosphere and in line with the National Policy on Education, irrespective of social class, gender, race, nationality and religion.

DETAILS OF TRAINING CURRICULUM AND ITS IMPLEMENTATION IN THE COLLEGE AND TEACHING HOSPITAL

Bachelor of Nursing Sciences (BNSc.) Curriculum

The Department of Nursing Sciences offers a five-year BNSc. degree programme for those entering at UG.I/100 level. The programme has been designed taking into consideration the requirements of the Nursing and Midwifery Council of Nigeria for the training of Nurses. These conditions are clearly spelt out in the red book of the council. The fulfillment of these conditions can earn the Department the full accreditation.

PHILOSOPHY AND OBJECTIVES OF BACHELOR OF NURSING SCIENCES (BNSc.) PROGRAMME

Philosophy of the Programme

The Bachelor of Nursing Science Degree (BNSc) requires the systematic acquisition of knowledge in the arts and sciences that will enable the individual develop a liberal education essential for professional nursing practice. The study of theoretical models for nursing practice serves as the basis for the provision of nursing care to individuals, families, groups and communities. The philosophy of the BNSc programme takes cognizance of the philosophy of health services and nursing education for Nigeria. The nursing profession believes that man is a bio-psychosocial being and his needs are the focus of all nursing activities. The health care system exists to meet the needs of the consumers of health care by providing primary, secondary and tertiary health maintenance activities to ensure that individuals, families, and communities are assisted to maintain a high level of wellness. Optimal professional nursing education can be achieved in an institution of higher learning that provides a foundation for general education in the various sciences and arts. Nursing science is based on the knowledge of behaviour that enables changes in the client system to be monitored by utilizing the scientific method of inquiry while providing nursing intervention to individuals, families, groups and

communities at the primary secondary and tertiary level of health care. Health care delivery requires an innovative approach in professional preparation and a curriculum that is responsive to the needs of the society.

Aims of the Programme

The objective of the programme is to produce competent nurses that will provide nursing and midwifery care to individuals, families, and community.

Objectives of the Programme

The main aim of the programme is to produce competent polyvalent nurses that will provide nursing and midwifery care to individuals, families, and community.

The Specific objectives of undergraduate studies in the discipline of Nursing are to:

- a) Train professional nurse practitioners who will utilize theoretical models, knowledge derived from research, and critical thinking skills to assist individuals and communities adapt to changing health needs by providing reliable, effective and acceptable professional health service in the homes, communities and health care institutions and the society at large.
- b) Train professional nurse practitioners who will be intellectually stimulated to continually improve their practice skills through the utilization of research findings.
- c) Provide sound academic professional background for professional nurses who would be capable of working anywhere in the world with sufficient management ability to play leadership role in training and the practice of nursing science.
- d) Offer general and professional education for nurses who will be able to utilize psycho-social and physical factors in health promotion, health maintenance and health restoration.
- e) Prepare polyvalent nurse-practitioners capable of performing nursing skills in a variety of settings, therapeutically assisting

individuals, families and communities with diverse backgrounds and health problems to attain optimal health.

- f) Prepare nurse-practitioners capable of relating the role of health services to the broader social system, and who will be engaged in life-long and self-directed learning

Competencies of the Graduate

By the end of the academic programme, the graduate will be able to: -

- Utilize nursing process in the care of the individual family and community.
- Assess client/patient through history taking, physical assessment, review of relevant records and listing of appropriate actual and potential nursing diagnosis.
- Assess community through data gathering and identifying health needs to arrive at community diagnosis.
- Plan for individual diagnosis/problems and family health needs for attainment and maintenance of health states.
- Assume responsibility and plan for delivery of dependent and interdependent activities.
- Implement necessary nursing action to minimize individual problems through holistic and client/family centered approach in homes, community and health care institutions.
- Evaluate care through stated objectives to ascertain effectiveness of nursing actions and health activities rendered in homes, community and health care institutions.
- Develop strategies for health education needs of client/patient and families in homes, communities and health care institutions.
- Assist the client/patient to achieve optimum functioning.
- Diagnose and treat simple medical and surgical conditions.
- Utilize available resources within the home, community and hospital setting to achieve maximum provision of healthcare.

- Participate in formulating health plans for the community.
- Develop proficiency in presenting and dispensing family planning methods and in follow up of clients.
- Provide rehabilitative services to individuals and families to enable the client/patient adapt to changing conditions.
- Demonstrate assertiveness in the management of health care for client/patient in the homes, community and health care institutions.
- Initiate and participate in the development of recording and reporting system, maintaining, analyzing and utilizing the collected data.
- Manage essential drugs by evolving an effective monitoring and cost of recovery systems.
- Establish and maintain a 2-way referral system.
- Assist in budgeting, managing and auditing the accounting system of primary health center.
- Organize and implement educational programme for community based workers and nursing students.
- Ensure work discipline by providing adequate motivation for health workers.
- Initiate and carryout research to improve practice and develop new techniques to meet health needs of the people.

Employment Opportunities

The graduates of BNSc programme are opportune with varieties of job opportunities, either in the clinical area or administrative offices as well as tutoring and lecturing services.

Admission Requirements

To be admitted into the B.N.Sc. Degree programme, candidates must have satisfied the prescribed minimum conditions of the University for Admission to the degree courses and fulfilled the requirements of direct entry or University Matriculation Examination/Unified Tertiary Matriculation Examinations (U.T.M.E.). This is given below:

A U.T.M.E Entry Qualification

Candidates should hold the general certificate of education ordinary level of SSCE or NECO with credit in at least five (5) subjects including English language, Mathematics, Biology, Physics and Chemistry at not more than two sittings. This is in addition to satisfying appropriate grade or passes in the Post Unified Tertiary Matriculation Examination.

B Direct Entry (when approved)

- (i) Candidates holding General Certificate of Education Advanced level with good grades in Biology or Zoology, Chemistry and Physics plus a minimum of (5) credits at ordinary WASC, G.C.E, SSCE or NECO in English Language, Mathematics, Physics, Chemistry and Biology at not more than two sittings.
- (ii) Registered Nurse/Midwifery Certificate and five (5) credits at ordinary levels G.C.E, NECO or SSCE which must include English Language, Mathematics, Physics, Chemistry and Biology at not more than two sittings. Any post-basic nursing diploma is an added advantage.

Duration of the Study

The BNSc programme is a 5-year course for students that entered through university matriculation (i.e. those that start from 100 level). Those that enter the programme through Direct Entry (if applicable) begin from 200 level and spend four years in the programme.

Registration of Students on Admission

At the beginning of each academic year, all students register at both departmental level and university level. This is in accordance with the rules made from time to time by the university senate. The procedure for registration shall include the following;

Screening procedure for certifying of candidates' qualification and credentials

1. Payment of dues and other charges.

2. Careful on line filling of registration forms.

3. Obtaining the signature of all appropriate authorities, at university and departmental levels.
4. Returning the completed registration forms to the appropriate authorities, at university, faculty and departmental levels, not later than the closing date fixed for the registration.

Graduation Requirements

To graduate a UTME candidate must earn at least 222 credit units while a direct entry candidate must earn at least 175 credit units.

After successfully completing the requirement of the 4 or 5 years course of study and obtaining a pass in all the specified examination for the BNSc degree by the relevant university, the students shall be eligible for application to the Nursing and Midwifery Council of Nigeria to seek license for practice as a Registered Nurse (RN) and Registered Midwife (RM). Subject to sitting for and passing the Professional Examination for General Nurses /Midwives by Nursing and Midwifery Council of Nigeria (N&MCN)

The student must have undergone the required practical/clinical experiences in the Hospital and other practical areas during the semester and long vacation from 200 level to 500 level. The following are the areas covered during the training: 1) medical posting, 2) surgical posting, 3) paediatric nursing posting, 4) theatre posting, 5) obstetrics and gynecology posting, 6) labour ward posting and 7) Community posting 8) Psychiatric 9) Nursing Education and Administration among others.

During the period of clinical experience, clinical instructors and academic staff from the department will supervise the student. At the end of each posting, clinical examinations are conducted. For the community posting each student is expected to submit a report.

- Among the requirements for this programme, is a research project undertaken at 500 level.

COURSE FRAMEWORK

100 Level

First Semester

Course Code	Course Title	Units
BIO 101	General Biology I	3 (2+1)
CHM 101	General Chemistry I	3 (2+1)
MAT 101	Elementary Math. I (Algebra Trigonometry)	3 (3+0)
PHY 101	Gen Physics I (Mechanics & Prop. of Matter)	3 (3+0)
PHY 103	Gen Physic III (Heat, Light & Sound)	2 (2+0)
PHY107	Practical Physics/Gen Lab Physics	1 (0+1)
NUR 101	Foundation of Nursing I	3(3+0)
GST 101	Communication in English I	2(2+0)
GST104	Use of Library and Study Skills	1(2+0)
	Subtotal	21

Second Semester

Course Code	Course Title	Units
BIO 102	General Biology II	3 (2+1)
BIO 103	Basic Parasitology	3 (2+1)
BIO 104	Introduction to Genetics	3 (2+1)
CHM 102	General Chemistry II	3 (2+1)
MAT 102	Elementary Mathematics II(Calculus)	3 (3+0)
PHY 102	Gen Physics II (Electricity & Magnetism)	3 (2+1)
PHY 108	Practical Physics II/General Lab Physics II	1 (0+1)
NUR 102	Foundation of Nursing II	2 (1+1)
GST 102	Nigerian Peoples and Culture	2(2+0)
GST 103	Information and Communication Technology (ICT)	1(1+0)
GST 105/106	Communication in French/ Arabic	2(2+0)
	Subtotal	26
	TOTAL	47

200 Level

First Semester

Course Code	Course Title	Units
NUR 201	Foundation of Nursing III	2 (1+1)
COM 201	Biostatistics	2 (2+0)
COM 203	Environmental Health	2 (1+1)
ANA 201	Gross Anatomy I	3 (2+1)
ANA 202	Histology and embryology I	2 (1+1)
PHL 201	Physiology I (General Physiology)	3 (2+1)
PHL 202	Physiology II (Respiratory & Cardiovascular)	2 (2+0)
BCH 206	Chemistry of Biomolecules	2 (2+0)
GST212	Logic, Philosophy and Human Existence	2(2+0)
GST213	History and Philosophy of Science	2(2+0)
	Subtotal	22

Practical Demonstration of Nursing Skills

End of First Semester: Concentrated Practical Demonstrations of Nursing – 4 Weeks

Second Semester

Course Code	Course Title	Units
NUR 202	Foundation of Nursing IV	3 (2+1)
ANA 212	Gross Anatomy II	2 (1+1)
ANA 211	Histology and Embryology II	2 (1+1)
PHL 211	Physiology III (GIT, Renal, Rep. & Endocrine)	3 (2+1)
PHL 212	Physiology IV (Biomechanics & CNS Physiology)	2 (1+1)
COM 202	Man and His Environment	2 (1+1)
MIC 285	Medical Microbiology & Parasitology	3 (2+1)
GST 211	Communication in English II	2 (2+0)
GST 214	Peace Studies and Conflict Resolution	2 (2+0)
BCH 207	Basic Enzymology & Intermediary Metabolism	3 (2+1)
NUR 206	Introductory Clinical Posting	2 (1+1)
	Subtotal	26
	TOTAL	48

Practical Demonstration of Nursing Skills (4 Weeks)

300 Level

First Semester

Course Code	Course Title	Units
ANA 301	Gross Anatomy III (Head, Neck and Neuroanatomy)	3 (2+1)
NUR 301	Mental Health Nursing I	3 (2+1)
NUR 303	Medical Surgical Nursing I	4 (2+2)
NUR 305	Community Health Nursing I	3 (2+1)
EDP 302	Developmental Psychology	2 (1+1)
NUR 307	Medical Surgical Nursing Practicum I	2 (0+2)
NUR 313	Sociology of Medicine	2 (2+0)
BCH 316	Nutritional Biochemistry	1 (1+0)
GST311	Entrepreneurship and Innovation	2 (2+0)
	Subtotal	22

Second Semester

Course Code	Course Title	Units
NUR 302	Mental Health Nursing II	3 (2+1)
NUR 304	Medical Surgical Nursing II	4 (2+2)
NUR 306	Maternal and Child Health I	4(2+2)
NUR 308	Community Health Nursing II	3 (2+1)
PHA 302	Pharmacodynamics and Chemotherapy	4(2+2)
NUR 309	Medical Surgical Nursing Practicum II	2 (0+2)
NUR 314	Sociology of Health and Illness Behaviour	2 (2+0)
BCH 317	Special topics in Biochemistry	2 (2+0)
GST 312	Venture Creation and Growth	2(2+0)
	Subtotal	26
	TOTAL	48

400 Level

First Semester

Course Code	Course Title	Units
NUR 401	Medical Surgical Nursing III	4 (2+2)
NUR 403	Principles of Education and Teaching Methods	2 (1+1)
NUR 405	Curriculum Development in Nursing	1 (1+0)
NUR 407	Community Health Nursing III (Field Trip & Rural Posting)	4 (2+2)
NUR 409	Maternal and Child Health II	3 (2+1)
NUR 411	Paediatrics Nursing Practicum	3 (0+3)
COM 401	Principles & Methods of Epidemiology	2 (2+0)
PHA 407	Systemic Pharmacology	3 (2+1)
PAT 411	General and Cellular Pathology and Cytology	3 (2+1)
	Subtotal	25

Second Semester

Course Code	Course Title	Units
NUR 402	Nursing Administration and Management	3 (2+1)
NUR 404	Research Methodology	3 (2+1)
NUR 406	Teaching Practice	2 (1+1)
NUR 408	Nursing Seminar	3 (0+3)
NUR 410	Medical Surgical Nursing IV (Pt. care study embedded)	3 (2+1)
COM 406	Nutrition in Health and Illnesses	2 (1+1)
LAW 422	Medical Jurisprudence	2 (2+0)
NUR 412	Nursing Informatics	3 (2+1)
	Subtotal	23
	TOTAL	46

NMCN Professional Examination for General Nursing

Pre – Part V: Specialty Clinical Posting to (ICU, Theatre, ENT, Ophthalmology, Orthopaedics and Anaesthesia) – 6 weeks.

500 Level

First Semester

Course Code	Course Title	Units
Core		
NUR 501	Public Health Nursing I	5 (3+2)
NUR 503	Maternal & Child Health III	5 (3+2)
NUR 515	Midwifery Clinical Practicum I	3 (0+3)
NUR 517	Obstetrics and Gynaecology Practicum	3 (0+3)
NUR 519	Nursing Entrepreneurship	2 (1+1)
	Subtotal	18
Electives (must choose one)		
NUR 505	Paediatrics Nursing	5 (2+3)
NUR 507	Operative Theatre Nursing	5 (2+3)
NUR 509	Oto–Rhino–Laryngology	5 (2+3)
NUR 511	Occupational Health Nursing	5 (2+3)
NUR 513	Anaesthetic Nursing	5 (2+3)
	Subtotal (18+5)	23

NMCN Professional Examination for

Midwifery Second Semester

Course Code	Course Title	Units
Core		
NUR 502	Public Health Nursing II	5 (3+2)
NUR 504	Research Project	5 (0+5)
NUR 516	Health Economics	2(2+0)
NUR 518	Midwifery Clinical Practicum II	3 (0+3)
	Subtotal	15
Elective (must choose one)		
NUR 506	Ophthalmic Nursing	5 (2+3)
NUR 508	Intensive Care Nursing	5 (2+3)
NUR 510	Orthopaedic Nursing	5 (2+3)
NUR 512	Dermatology Nursing	5 (2+3)
NUR 514	Radiology/Radiotherapy Nursing	5 (2+3)
	Subtotal (15+5)	20
	Total (23+20)	43

COURSE DESCRIPTION

100 Level

BIO 101 General Biology I **3(2+1) Units**

Morphology and life cycle of plants and animals. A general study of plants and animal group from virus, algae/fungi to chordates. Structural and functional study of plant and animal cells, tissues and animal cells tissues, organs and systems Taxonomic physiology and developmental studies of plants and animals Reproduction, genetic-hereditary substances, mechanism of nuclear division and stem cell formation. Evolution and natural selection. Biology Practical's and demonstration.

BIO 102 General Biology II **3(2+1) Units**

General principles of physiological processes. Element of Biological chemistry- inorganic and micro molecules to life Enzymes and cellular metabolism of carbohydrates. Lipids, Proteins amino acids and nucleic acids synthesis and catabolism of proteins and amino acids control mechanisms; intercellular and hormonal controls. Study of the environment from the ecological view point Physical properties of water and their Biological significance. Water pollution. Biological practical and demonstration.

BIO 103 Basic Parasitology **3(2+1) Units**

Development of microbiology and Parasitology and pathogenic organisms. Bacteria-principal bacterial diseases of medical significance. Spirochaetes, mycoplasma, rickettsiae, coxiela, Chlamydia, bordotella, and legumellae. Fungi- general features of pathogenic fungi and classification. Viruses-general characteristics, classification, replication and transmission cycle. Principal viral diseases. Parasitic organism of medical importance- classification: protozoa, helminthes, platyhelminth, trematodes, cestodes, and nematodes. Other worm-like parasites. Host-parasite relationship. Arthropods of medical importance- basic principles of diseases and infections. Microbial control and prevention. Immunity- immune responses. Serotherapy and chemotherapy- factors affecting chemotherapy. Basic laboratory practices and techniques.

BIO 104 Introduction to Genetics**3(2+1) Units**

Brief history of medical/molecular genetics. Introduction, current trends in genetics. gene and chromosomes. chromosomes and cell production: meiosis, work of Mendel and Morgan. Inheritance. the DNA; evidence of genetic material. nature of DNA molecule. chromosomal aberrations- causes, types, chromosomal disorders of clinical importance. expression of genetic potential. sex-linked traits. cytogenetics-classification of human chromosomes and its methods of preparation. y-chromosome, x-chromosome. medical genetics and counseling. Genetics and its scope. Mendelian laws of inheritance. physical and chemical basis inheritance. Man as an object of Genetics Expression Modification of classical Mendelian ratios. Hereditary and environment.

PHY 101 General Physics I (Mechanics and Prop of Matter)**3(3+0) Units**

Units and dimensions, vector algebra, particle kinematics displacement velocity, acceleration, rectilinear motion, Newton's Laws of motion, work energy and power conservation of energy Impulses and momentum collisions, circular motion, relation between equations of linear motions and rotational conservation of angular momentum, moments of inertia, hydrostatics, Archimedes, principle, surface tension, fluid flow and viscosity, Poiseuille's law.

PHY 102 General Physic II (Electricity & Magnetism) 3(2+1)

Units Electronic, conductors and currents, dielectrics, magnetic fields and inductions. Maxwell equation, electromagnetic oscillations, waves and their applications.

PHY 103 General Physics III (Heat, Light and Sound) 2(2+0)

Units Concepts of heat, temperature; heat capacity, calorimetry, thermal energy, conduction, convection, radiation, sound waves, intensity, pitch and quality of sound. Propagation of sound in solids, liquids and gases. Doppler Effect. The Eye, reflection and refraction of light, Plane and spherical mirrors, thin lenses, optical instruments. Visual defects and their corrections. Wave nature of light, interference, diffraction. Velocity of light.

PHY 107/108 General Physics Laboratory **2(0+2) Units**

This includes selected experiments from different areas of Physics. This course is taken over the first and second semester.

CHM 101 General Chemistry I **3(2+1) Units**

An introduction to atomic structure and electronic configuration. The elements. Electronic theory of valency. The Periodic classification and the general study of the element with emphasis on similarities and differences based on position in the period table. Radioactivity and its applications. Kinetic theory and laws of gases.

Electrolytes and ionic equilibrium. Theory of acids, bases and indicators. Phase equilibrium study and multi-component systems and applications in partition and absorption chromatography. Chemistry practical and demonstration.

CHM 102 General Chemistry II **3(2+1) Units**

Historical survey of the development and importance of organic chemistry. Nomenclature and classes of organic compound. Homologous series, functional groups, isolation and purification of organic compounds, qualitative and quantitative organic chemistry. Stereochemistry. Determination of structure of organic compounds. Electronic theory in organic chemistry. Saturated hydrocarbons. Unsaturated hydrocarbons. Periodic table and periodic properties. Valence forces. Structure of solids. Chemistry of selected metal and non-metals. Quantitative analysis.

MAT 101 Elementary Math. I (Algebra & Trig) **3(3+0) Units**

Elementary set theory, union, intersection, complements. Venn Diagrams, Advance indicial and logarithmic equations. The use of the notations.

Real numbers, integers, rational and irrational numbers. Mathematics inductions, real sequences and methods of undermined coefficient, theory of quadratic equations, binomial theorem, roots of unit. Circular measure, trigonometric functions of angles and magnitude, addition and factor formulae.

MAT 102 Elementary Math II (Calculus) **3(2+1) Units**

Functions of a real variable, graphs, limits and idea of

continuity. The derivatives as limits of rates of changes, Techniques of differentiation. Extreme curves, sketching. Integration as an inverse of differentiation.

Methods of integration. Definitive integrals. Application to areas and volumes.

NUR 101 Foundation of Nursing I **3(3+0) Units**

Introduction to nursing as a science and an art, History Definition, Ethics, Models and Philosophy of Nursing. Man as a bio-psycho- social being interacting with the environment; Introduction to health care delivery system.; Professionalism, nursing status and education; It provides a foundation of nature of health and illness; Health- illness continuum; Basic human needs; Homeostasis; Man and his social environment.

NUR 102 Foundation of Nursing II **2(1+1) Units**

Concept of Primary Health Care – Meaning history, philosophy, components and evaluation of P.H.C. Nature of culture and society, how believes affect health care system, concepts, theories and principles.

GST 101: Communication in English I **2 (2+0) Units**

Effective communication and writing in English, Language skills, writing of essay answers, Comprehension, Sentence construction, Outlines and paragraphs, Collection and organization of materials and logical presentation, Punctuation.

GST 103: Information and Communication Technology (ICT)
1(1+0) Unit

Development of modern ICT, Hardware technology, Software technology, Input devices, Storage devices, Output devices, Communication and internet services, Word processing skills (typing, etc.).

GST 105/106: Communication in French/Communication in Arabic **2(2+0) Units**

1. Communication in French (GST 105): Introduction to French, Alphabets and numeric for effective communication (written and oral), Conjugation and simple sentence construction based on communication approach, Sentence construction, Comprehension and reading of simple texts.

OR

2. *Communication in Arabic (GST 106):* Introduction to Arabic alphabets and writing systems, Elementary conversational drills, Basic reading skills, Sentence construction in Arabic.

GST 102: Nigerian People and Culture **2 (2+0) Units:**

Study of Nigerian history, culture and arts in pre-colonial times, Nigerian's perception of his world, Culture areas of Nigeria and their characteristics, Evolution of Nigeria as a political unit, Indigene/settler phenomenon, Concepts of trade, Economic self-reliance, Social justice, Individual and national development, Norms and values, Negative attitudes and conducts (cultism and related vices), Re-orientation of moral Environmental problems.

GST 104: Use of Library and Study Skills 1(1+0) Units

Brief history of libraries, Library and education, University libraries and other types of libraries, Study skills (reference services). Types of library materials, using library resources including e-learning, e-materials; etc, Understanding library catalogues (card, OPAC, etc) and classification, Copyright and its implications, Database resources, Bibliographic citations and referencing.

200 Level

NUR 201 Foundation of Nursing III **2(1+1) Units**

The composite of nursing as a science and an art. Care of client. Comfort and safety measures. Diagnostic measures. Drugs and O₂ administrations. Physical assessment.

COM 201 Biostatistics **2(2+0) Units**

Introduces to statistical process and various statistical methods in common use. 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.

COM 202 Man and His Environment **2(1+1) Units**

Introduction to man and his environment. Effects of environmental factors on man. Disease causation in the environment. Socio-cultural factors in health and illness. Action to improve the quality of the environment/control of hazards. Environmental sanitation.

Environmental and public health's laws. Health agencies and their aims and objectives. Concept of international health. Concept of parts health services. Industrial/occupational health. Disasters in the community and control/treatment.

COM 203 Environmental Health **2(1+1) Units**

The effect of environmental factors on the health of the community, community assessment and action to improve the quality of the environment is emphasized. Man and his physical environment. Environmental factors that affect health; noise, gas pollution, waste products, air, water. Environmental sanitation: waste disposal, vector control, housing and water supply. Food hygiene. Rural-urban migration.

ANA 201 Gross Anatomy I **3 (2+1) Units**

Introduction to Anatomy. Bones and cartilages, bones of the body, joints; classification, structures, types, location. Major joints of the body. Muscles (types and locations, architecture, actions, blood and nerves supply). Major muscles/compartments/groups of muscles of

the

body. Hearts and great vessels. Blood supply to the body. Lymphatic systems, nervous systems, nerves supply to the body.

ANA 202 Histology and Embryology I **2(1+1) Unit**

Microscopy, the cell, tissues, (epithelial lining, glands, connective tissues; special connective (supportive), vascular connective tissues, muscular tissue, nervous tissue: neuroglia. General histology - The cells, epithelia, connective tissues, loose and special cartilage and bone, muscles-smooth, striated and cardiac. Cardiovascular system- Blood vessels, lymphoid tissue (immune system)

ANA 211 Histology and Embryology II **2(1+1) Units**

Respiratory system - Oral cavity, esophagus, stomach, intestines, liver and pancreas.

Gastrointestinal system - Kidney, ureter bladder, urethra, ovary, uterus, Fallopian tube, vaginal, testis, epididymis, vas deferens seminal vesicles and Prostate Endocrine system- pineal, pituitary, adrenal, thyroid, parathyroid, A Sensory organs: Nervous and integumentary- meninges, cerebrum, brain stem, spinal cord, skin, eye, ear and olfactory apparatus.

ANA 212 Gross Anatomy II **3(2+1)**

Units Respiratory system, Gastro-intestinal system, Urinary system, Female reproductive system, Male reproductive system. The Eye, the Ear, Spinal cord, Medulla, Pons, Cerebellum, Mid-brain, Cerebral cortex, Pathways (sensory, motor, vision, auditory).

BCH 206 Chemistry of Biomolecules **2(2+0) Units**

Structure, properties biochemical/biological functions of carbohydrate. Protein, among acids, nucleic acids and nucleotides, with related practicals. Structure and biological functions of nucleic acids.

BCH 207 Basic Enzymology and Intermediary Metabolism

3(2+1) Units

Biochemical catalysts of enzymes and coenzymes including their nature, Properties, characteristics, elementary kinetics.

Cent

ral Metabolic pathways biosynthetic pathways, generations of metabolic energy (ATP. GTP etc) and their importance with related practicals

PHL 201 Physiology I (General Physiology) 3(2+1)

Units Introduction and history of Physiology. Structure and function of cell membrane with emphasis on transport across cell membrane.

Biophysical principles osmosis, diffusion, active transport, homeostatic and control system.

Functions of blood cellular components, blood groups, hemoglobin, haemopoiesis. Body fluids and electrolytes, their measurement and regulation.

PHL202 Physiology II (respiratory and cardiovascular) 2 (2+0) Units

The respiratory tracts

Structure and function, pulmonary gas exchange mechanics of respiratory, compliance surfactant, lung volumes and capacities uptake and delivery of respiratory gasses with reference to oxygen and carbon dioxide transport. Pulmonary function test, response to hypoxia higher altitude, exercises etc. Artificial respiratory, chemical and neural control of respiration. Organization and structure of aorta and large arteries and arterioles- as resistance vessels, capillaries as sites of tissues fluid exchange.

The heart - Properties and functions of cardiac muscles. Regulation of heart's rate and cardiac output. Bar receptors and control of arterial blood pressure. Regional circulation, heart, hemorrhage, exercises, posture and altitude.

PHL 211 Physiology III (Gastrointestinal, Renal, Reproductive and Endocrine) 3(2+1) Units

Gastrointestinal tracks. Innervations and visceral sensations of motility and sensations. GIT hormones pancreatic and biliary secretions and adaptability to absorption of carbohydrates, proteins, nucleic acids, fat, water, mineral etc. Liver function test. The nephron urine formation and urinalysis. Urine concentration. ADH and osmolality. Acid-base balance, Micturation. Endocrine function of the kidney. Reproductive system.

PHL 212 Physiology IV (Biomechanics and CNS Physiology) 2(1+1) Units

Structure and classification of muscles, excitation and contraction theories and principles involved in muscle contraction, resting

membrane and action potentials. Generation of impulse in excitable

tissues, nerves and neuromuscular transmission. Simplex reflex s and spinal reflexes. Spinal cord ascending pathways, receptors, thalamus- sensory and motor cortex. Control of posture and movement. The reticular activating system. Sleep, neural center regulating visceral functions. Neuropsychological basis of instinctive behavior, conditioned reflexes, learning and temperature regulation. Sympathetic and parasympathetic pathways. Role in the various systems especially cardiovascular, respiratory and gastrointestinal.

MIC 285 – Medical Microbiology and Parasitology: 3(2+1) Units

Introduction to Microbiology, characterization and classification of bacteria; Morphology, Physiology, reproduction and metabolism of bacteria. Characteristics and classification of

microorganisms. Identification of infective agents that causes disease in man and knowledge of disease processes in terms of personal and communal health.

Host–parasite relationship; Infection; pathogenicity and virulence; Exo- and endo-toxins. Susceptibility and resistance to infection Natural resistance; phagocytes; antibodies, natural and acquired immunity; Immunization – active and passive, anaphylaxis, hypersensitivity and allergy, control of micro-organisms, sterilization, disinfections; Chemotherapeutic agents; Antibiotics.

GST 211: Communication in English II 2(2+0) Units

Logical presentation of papers, Phonetics, Instruction on lexis, Art of public speaking and oral communication, Figures of speech, Précis, Report writing.

GST 212: Logic, Philosophy and Human Existence 2(2+0)

Units A brief survey of the main branches of Philosophy Symbolic Logic Special symbols in symbolic Logic-conjunction, negation, affirmation, disjunction, equivalent and conditional statements law of tort. The method of deduction using rules of inference and bi-conditionals qualification theory. Types of discourse, Nature or arguments, Validity and soundness; Techniques for evaluating arguments; Distinction between inductive and deductive inferences; etc. (Illustrations will be taken from familiar texts, Including literature materials, Novels, Law reports and newspaper publications).

GST 213: History and Philosophy of Science **2 (2+0) Units**

Man – his origin and nature, Man and his cosmic environment, Scientific methodology, Science and technology in the society and service of man, Renewable and non-renewable resources – man and his energy resources, Environmental effects of chemical plastics, Textiles, Wastes and other material, Chemical and radiochemical hazards, Introduction to the various areas of science and technology. Elements of environmental studies.

GST 214: Peace Studies and Conflict Resolution **2(2+0)**

Units Basic Concepts in peace studies and conflict resolution, Peace as vehicle of unity and development, Conflict issues, Types of conflict, e.

g. Ethnic/religious/political/economic conflicts, Root causes of conflicts and violence in Africa, Indigene/settler phenomenon, Peace – building, Management of conflict and security. Elements of peace studies and conflict resolution, Developing a culture of peace, Peace mediation and peace-keeping, Alternative Dispute Resolution (ADR). Dialogue/arbitration in conflict resolution, Role of international organizations in conflict resolution, e.g. ECOWAS, African Union, United Nations, etc.

300 Level

NUR 301 Mental Health Nursing I: 3(2+1) Units

Interplay of 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 the nurse's role are stressed; History of mental health movements, national and international. Growth and development: theories, relationship of 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 Nurse role: legal coverage.

NUR 302 Mental Health Nursing II: 3(2+1) Units

The preventive aspects of mental health and roles of traditional healers as they affect the mental/psychiatric disease interpretation in urban and rural settings; The role of psychiatric health care in schools, industries and home; The nurse as a therapeutic agent. Social issues affecting the nature of mental illness; Research and mental/psychiatric health, mental health, culture and the Nigerian society.

NUR 303 Medical Surgical Nursing I: 4(2+2) Units

Study of in-depth knowledge of medical-surgical problems, role of a professional nurse in the care of adults and children with medico-surgical problems in the primary, secondary and tertiary settings of health care. Care of selected individuals and families to facilitate the transfer of theory to nursing practice situation; Theoretical models of care; Patho-physiology of medico-surgical problems; Dimensions of nursing practice, the nursing process levels of health care. Theories, concepts and principles of care: application of theoretical models of care, theories of illness and behaviour in illness state. Discussion of care studies on selected medico-surgical problem.

NUR 304 Medical Surgical Nursing II: 4(2+2) Units

Concept of cellular growth and proliferation, medical care and scientific nursing management of clients with specific acute and chronic ailments. Dynamics of fluid and electrolyte balance; Concept of metabolism: disturbances of ingestion, digestion

elimination, hepatic functioning, glucose metabolism and hormonal disturbances;

Concept of oxygenation and vessel disruptions. Concept of perception and co-ordination; Vascular and inflammatory disturbance; Nurses' role in the operating theatre, intensive care unit, ward and clinic situation.

NUR 305 Community Health Nursing I: 3(3+0) Units

The social systems theory in the provision of community health care. Application of principles of epidemiology is emphasized in the maintenance of optimum wellness; The social system theory; Analysis of the family and significant others; Assessment of the community – environmental and community health services; Philosophy, components and principle of primary health care settings; Development of physical assessment skills.

Assessment of the family; The interrelationship of social and physical environment on health; Organization and coordination of community health services.

NUR 306 Maternal and Child Health I 4(2+2) Units

The health of the family during its child bearing and child rearing years, 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 programme; Family Health Care.

NUR 307 Medical Surgical Nursing Practicum I: 2(0+2) Units

The clinical posting/practical experience would expose the students to eight (8) weeks of concentrated experience in male/female medical and surgical wards and casualty during first semester of 300 level after which a practical examination will be taken.

NUR 308 Community Health Nursing II: 3(3+0) Units

Community Health Nursing and its integration into health care system; The role of the community health nurse. Meeting the health needs of the community; The handicapped, social Drop-outs; Problems of the aged; Health Administration in the community. The sue of the standing orders; The geriatric patient care; Beggars,

migrants, prostitution and refugees.

NUR 309 Medical Surgical Nursing Practicum II: 2 (0+2) Units

Clinical/practical experience in male/female medical and surgical wards, gynaecology and casualty wards for a period of 7 weeks during 2nd semester of 300 level {Medico-surgical Posting (Psychiatric/ Ophthalmic) (4 weeks; (MCH/O&G) (3 weeks)} Practical examination at the end of pointing.

PHA 302 Pharmacodynamics and Chemotherapy: 4(2+2) Units

Acquire knowledge of the derivation, action and factions of drugs on the body systems; 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.

EDP 302 – Developmental Psychology 2(1+1) Units

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 behaviours.

NUR 313 - Sociology of Medicine 2 (2+0) Units

Medical organizations and professions; the professionalization of medicine; the politics of medical care; traditional and modern forms of health delivery systems in Africa and their respective uses and social effects; public health in Nigeria; the hospital as a social system; the mental hospital as a total institution; the poor, the doctor and the society.

NUR 314 Sociology of Health and Illness Behaviour 2(2+0) Units

An introduction to concepts of and social aspect of health, illness and caring in different African cultures with particular emphasis on Nigerian cultures; interaction between folk and modern medicine; the delivery of health care as a social problem; the social structure of traditional versus modern health care delivery and their respective impact.

BCH 316 Nutritional Biochemistry **1(1+0)**

Unit Nutritional requirements and disorders, biochemical functions of trace elements. Liposoluble vitamins, co-enzymes (structure and functions).

BCH 317 Special Topics In Biochemistry **2 (2+0) Units**

Endocrinology: Structure function and molecular mechanics of action of steroid, thyroid and polypeptide hormones Hormonal deficiency diseases and their detections, methods of hormone assay.

Inborn errors of metabolism: Molecular basic of G6PD metabolic diseases biochemical derangements in deficiency. Sickle cell anaemia, glycogen storage disease, etc.

Xenobiotics and forensic medicine Metabolism of foreign compounds Induction of microsomal enzymes and drug resistance Medico-legal blood urine and sweat test. Recent developments of forensic techniques.

Neurochemistry - the neuron structure composition and metabolism hormonal regulatory mechanism. Metabolic antagonism in neurochemistry. Genetic Engineering (molecular biology).

GST 311: Entrepreneurship and Innovation **2(2+0)**

Units Introductory Entrepreneurial skills: Relevant Concepts: Enterprise, Entrepreneur, Entrepreneurship, Business, Innovation, Creativity, Enterprising and Entrepreneurial Attitude and Behaviour. History of Entrepreneurship in Nigeria. Rationale for Entrepreneurship, Creativity and Innovation for Entrepreneurs. Leadership and Entrepreneurial Skills for coping with challenge. Unit Operations and Time Management. Creativity and Innovation for Self-Employment in Nigeria. Overcoming Job Creation Challenges. Opportunities for Entrepreneurship, Forms of Businesses, Staffing, Marketing and the New Enterprise. Feasibility Studies and Starting a New Business. Determining Capital Requirement and Raising Capital. Financial Planning and Management. Legal Issues, Insurance and Environmental Considerations.

GST 312: Venture Creation and Growth **2(2+0) Units**

Profiles of business ventures in the various business sectors such as: Soap/Detergent, Tooth brush and Tooth paste making;

Photography;

Brick making; Rope making; Brewing; Glassware production/
Ceramic production, Paper production; Water treatment/
conditioning/packaging; Food processing/preservation/packaging;
Metal fabrication; Tanning industry; Vegetable oil extraction;
Farming; Fisheries/aquaculture; Plastic making; Refrigeration/Air-
conditioning; Carving, Weaving; Bakery; Tailoring; Printing;
Carpentry; Interior Decoration; Animal husbandry etc. Case Study
Methodology applied to the development and administration of Cases
that bring out key issues of business environment, start-up, pains and
gains of growth of businesses, etc. with particular reference to
Nigerian businesses. Experience sharing by business actors in the
economy with students during Case presentations.

400 level

NUR 401 Medico-Surgical Nursing III: 4(2+2) Units

Study of on special areas in medico surgical nursing: Ophthalmic (eye) ear, nose and throat (E. N. T.). Dermatological conditions (Skin cancer, Lupus, Rubeola, Acne, Hemangioma of the skin, Cold sore, Psoriasis, Seborrheic Eczema. Etc); Nervous system disorders

NUR 402 Management of Nursing Care Services: 3(2+1) Units

Philosophy theory; principles and techniques of management of Nursing care services. Essential tools for the management of Nursing care and the evaluation of response to care will be discussed. Introduction to Management: Philosophy, purpose and objectives; The health care delivery system: (National and International); Tools of management; Communication and interpersonal relationships. Interviewing skills; Concepts of guidance and counseling; Elements of nursing management Standards of nursing practice; Management of human and material resources. Budgeting and staffing supervisory process; Concepts of evaluation, of Clinical setting; Accountability and the role of research in practice.

NUR 403 Principles of Education and Teaching Methods: 2(1+1) Unit

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 instructional objectives; Development of course content; Methods of evaluation

NUR 404 Research Methodology: 3(2+1) Units

Introduction to research methodology, the role of research in health and social welfare institution versus problem solving and the scientific approach. Research Designs: Application of principles of data collection, analysis and interpretation and utilization of research findings. Utilization of research methodology for individual and group research projects. Review of selected studies in the health care industry.

NUR 405 Curriculum Development in Nursing: 1(1+0) Units Curriculum development in Nursing provides students with Knowledge and skills on how to develop nursing curriculum. Application of selected theories of curriculum development, the component of curriculum scope and nature of the curriculum, curriculum development process and curriculum implementation and evaluation. Development and implementation of teaching plans in clinical settings.

NUR 406 Teaching Practice 2(1+1) Units Principles and techniques of teaching and management, in health care settings. Health education and management practices at the primary, secondary and tertiary levels of health care preferably of School of Nursing

NUR 407 Community Health Nursing III: 4(2+2) Units Advance community health concepts and their application to health care practice in the community are discussed. Care studies are developed and presented at seminar sessions. This course is a follow up on Community Health Nursing I & II. Field trip and rural community posting are included

NUR 408 Nursing Seminar: 3(3+0) Units Student will identify issues and trends in Nursing and health care through literature review and interaction with members of the health team. Care studies will also be presented.

NUR 409 Maternal & Child Health II: 3(2+1) Units Theoretical and practical knowledge of maternal and child health nursing; growth and development, application of child health and genetics to practical settings. Essential Family care studies; domiciliary midwifery practice. N. P. I. & O. R. T.

NUR 410 Medical Surgical Nursing IV: 3(1+2) Units Study of special areas in medico-surgical Nursing as they relate to patient care: Ophthalmic (eye) ear, nose and throat (ENT). Dermatological conditions; Nervous system disorders.

NUR 411 Paediatrics Nursing Practicum: 3(0+3) Units

There would be a concentrated clinical/practical experience in paediatric ward(s) for period of eight (8) weeks during first Semester of 400 levels with Practical Examination.

NUR 412 Nursing Informatics 3 (2+1) Units

The course would introduce the students in the concepts of Health Informatics, Nursing Informatics, including electronic health record, Telenursing, and patient support/aids system. It will also prepare undergraduate students in the basic knowledge and skills which combines nursing science, computer science and information science. Exposure to nursing informatics would provide a nurse with responsibility for translating the needs of patients and staff into computer programs, so that the technical support can understand and enhance the productivity of nursing care.

COM 401 Principles and Methods of Epidemiology: 2(2+0)

Units Principles and methods of epidemiology: epidemiological studies. Control and Nursing care of communicable and non-communicable diseases common indices of community health. Community surveys, screening and health appraisal.

COM 406 Nutrition in Health & Illnesses: 2(1+1)

Units Historical perspectives – Nutrition as a science; Classification of food and their nutrients; Relationship for digestion and absorption of foods; Nutrient quality of local foods and 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 and dietetics and diet in illness. Food purchasing, presentation preparation and diet therapy are studied to enable the student provide well balanced diets to dents and patients

LAW 422 Medical Jurisprudence: 2(2 +0) Units

General principles of law, importance of law to nurses and the Nigerian legal system. Legal regulations and the Nursing profession in Nigeria; The law of torts – Introduction, Negligence, Vicarious liability and occupiers' liability/hospital liability. It also involves

medico legal problems in a changing society.

PAT 411 General Cellular Pathology and Cytology: 3(2+1) Units

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 re-organization of cell structure.

PHA 407 Systemic Pharmacology

3(2+1) Units

Introductory Pharmacology of the following systems: Central Nervous System (CNS), Autonomic Nervous System (ANS), Cardiovascular System (CVS), Renal and Gastrointestinal systems, Endocrine systems, Chemotherapy of microbial and parasitic diseases.

500 Level

NUR 501 – Public Health Nursing I: 5(3+2)

Units Knowledge, skills and attitudes in primary health care settings to meet the health needs of the individuals, families and communities; the utilization of P.H.C. strategies to manage health care; Introductory philosophy, concepts and principles of P. H. C; The Community. Information Education and Communication; Clinical Skills in Primary Health Care.

NUR 502 – Public Health Nursing II: 5(3+2)

Units The components of P. H. C., promotive, preventive, curative and rehabilitative services. Referral system for effective continuity of client care. Skill in intersectoral and inter-disciplinary collaboration in the provision of health care; Training and management in P.H.C.

NUR 503 –Maternal & Child Health III: 5(3+2)

Units Review of anatomy and physiology of female reproductive system: Normal Midwifery and Abnormal Midwifery.

NUR 515 Midwifery Clinical Practicum I: 3(0+3)

Units Students shall undergo mandatory midwifery posting of 8 weeks to labour ward, antenatal, postnatal, delivery room etc with practical examination.

NUR 516 Health Economics: 2(2+0) Units

Health financing: Annual budget; Allocation of funds, Health insurance, decision making in budgetary process; Quality control, financial/management audit, evaluation process in management; Hospital Economy, Management of material & financial resources

NUR 517 Obstetrics and Gynaecology Practicum I: 3(0+3) Units

Students shall undergo mandatory obstetrics and gynaecology posting of 8 weeks in obstetrics and gynaecology ward, etc with practical examination.

NUR 504 Research Project: 5(0+5) Units

Students shall be guided in the development, execution and writing of approved research project by their project supervisor(s).

NUR 518 –Midwifery Clinical Practicum II: 3(0+3)

Units Students shall undergo mandatory midwifery posting of 8 weeks to labour ward, antenatal, postnatal, delivery room etc with practical examination.

Electives:

Each student decides on a clinical area of special interest per semester for in-depth study and practice. Application of theoretical knowledge is emphasized.

NUR 505 Paediatric Nursing 5 Units (2+3)

This course is designed for developing an understanding of the modern approach to child-care, identification, prevention and nursing management of common health problems of neonates and children. It also describes national policy programmes and legislation in relation to child health and welfare, list major causes of death during infancy, early and late childhood and explain the major functions and role of the paediatric nurse in caring for a hospitalized child.

NUR 506 Ophthalmic Nursing 5 Units (2+3)

The course is designed to expose the student with indepth knowledge and practical on ophthalmic nursing specialty. It includes in-depth analysis of the anatomy and physiology of eye, common eye conditions and their treatment. Others include community eye care services, management of emergency eye conditions and first aid as well as the role of the ophthalmic nurse in the hospital and community.

NUR 507 Peri Operative Nursing **5 Units (2+3)**

The course is designed for students to have indepth knowledge of perioperative nursing and the role of nurses before, during and after surgery. It involves organization and physical set up of operation theatre, identification of the various instruments and equipment used for common surgical procedures. It also describe the infection control measures in the Operation theatre and the role of the nurse in providing peri-operative nursing care.

NUR 508 intensive care nursing **5 Units (2+3)**

This course will expose to students to the principles and practice of Intensive Care Nursing. It will provide students with the opportunity to learn the ideal ICU setting, nature of patients admitted to ICU and nursing management of patient in ICU. Others are cardio-pulmonary resuscitations, management of highly dependent patient and life support therapy.

NUR 509 Orto-Rhino-Laryngology Nursing **5 Units (2+3)**

This course exposed the students on the indepth knowledge of diseases and conditions affecting ear, nose and throat. It highlights on the assessment of ENT conditions and treatment of ENT emergency. The student will have opportunity to undertake clinical practice in ENT specialty.

NUR 519: Entrepreneurship in Nursing **2 (1+1) Units**

The course will cover the concepts, principles and practice of nursing entrepreneurship. Entrepreneurial process. Exploring business opportunities. Developing a business plan. Exploring market strategies. Evolving organisational plan and developing financial plans. Issues in funding, launching out and working for business growth. Generation of business ideas in nursing and self-employment. Challenges of entrepreneurship practice in nursing. Management of human, material and financial resources. Legal issues in business/private practice.

NUR 510 Orthopaedic Nursing **5 Units (2+3)**

The Orthopaedic Nursing course will provide the students with knowledge of specialized care for people with bone and skeletal problems. It involves care of patient with all fractures, dislocation, strain and sprain. It also includes mobility teaching, use of

accessories and care before, during and after orthopaedic surgeries.

NUR 511 Occupational Health Nursing **5 Units (2+3)**

This course will expose the students on work place ergonomics, occupational hazard and safety, promotion of health of people in the workplace, biological risk factors and dust. The students will also learn occupational diseases and be able to provide nursing care to people with the following occupational diseases: silicosis, asbestos related diseases, pneumoconiosis, needle stick injuries, hepatitis, HIV/AIDS.

NUR 512 Dermatology Nursing **5 Units (2+3)**

This course will examine the common dermatological disorders and the associated interventions and procedures used to treat them. Content includes the use and formulation of topical, medications, psychological treatments, phototherapy and intense pulse light safety. Evidence based practice and research is explored to promote clinical practice and improve client outcomes. This course is designed to meet the foundational needs of dermatology nurses.

NUR 513 Anaesthetic Nursing **5 units (2+3)**

This course provides students with opportunities to consolidate and expand their clinical knowledge, skills, and attitudes within the specialty of anaesthetic nursing. The students will investigate the necessity of planning in peri-anaesthesia nursing. A systematic approach to patient assessment and management is used, and topics including as the use, care and maintenance of anaesthetic equipment, techniques used in anaesthesia, identifying and managing anaesthetic emergencies, and the pharmacology of anaesthesia are covered. Decision making skills are enhanced through examination of professional and ethical considerations.

NUR 514 Radiology/ Radiotherapy Nursing **5 units (2+3)**

This course will expose the students to the introduction of oncology nursing and cancer therapy and treatment, radiotherapy, external beam radiation therapy and radiation induced malignancy.

RULES AND REGULATIONS

Dress Code

The Usmanu Danfodiyo University has outlined a definitive dress code that specified the type of dressing that is not tolerated on campus. Sanctions attracted by offenders are also clearly given. Students are expected to abide by the rules governing the dress code.

School Uniform and Style

Students of the Department are expected to wear specified uniform while on clinical setting (in the hospital). The uniform is as follows:

- i. Female students should wear a short sleeve fitting shirt that stops above the knees and long trousers. A nurses' cap or a shoulder/chest- level 'hijab' is worn on the head.
- ii. Male students uniform comprises of a short sleeved shirt and long trousers.

The uniform must be in pure white cotton dress, accompanied by pure black covered shoes.

Students are allowed to wear their lab coats during skill demonstration in the department.

Rules and Regulations of the University

Rules governing the academic programme in the university are available and outlined. These are covered in the school students' handbook. Categories include:

- Regulations governing admission of students.
- University examination regulations.
- General students' regulations concerning accommodation and school environment.
- Guidelines to rallies and demonstrations.
- Regulations binding on associations.
- Library regulations.

Security Tips for Students on Field Trip

1. Always travel or move in group if you can.
2. Always be in possession of your student I.D. card.
3. Never disclose your whereabouts to unknown person(s), except your parent/Next of Kin.
4. Always have minimum credit in your phone for emergency calls.
5. Similarly, do not switch off your phone at night. It could be useful in emergency situations.
6. Always let friends or roommates know where you are going to and when you will return.
7. When travelling in a vehicle, keep all doors and windows locked.
8. Do not involved yourself in local disturbances or disputes.
9. Do not wear religious medals or other articles that might antagonize fanatics of other faiths.
10. Look out for any suspicious vehicles, whether they are stationery or on the move.
11. Be alert to your surroundings. Do not touch or carry any bag (leather, polythene, plastic etc.) that is left unattended. It could contain more than you think.
12. Be wary of filled cans/gallons or even teddy bears/toys.
13. Never answer calls from unfamiliar mobile phone numbers.
14. Avoid going out or staying outside till late hours.
15. Avoid traversing dark places at night.
16. Report all suspicious activities (persons, objects, movements, etc.) to your field trip coordinator or the nearest Police Officer or Security Agent.
17. In case of bomb attack/active shooter, remain calm and be patient. Lie down flat until rescue operation takes place.

Orientation of Students

Orientation of fresh students takes place at university level as well as the departmental level. At the level of the department, all fresh students in 100 and 200 levels are introduced to the department, its staff and environment. Lectures are being organized to brief students about the BNSc. Programme. The student's union in the department plays an important role throughout the duration of the orientation course. Students are also taken through an orientation programme when they are starting their clinical postings. This is aimed at getting them to understand and appreciate the activities and expectations during the clinical programmes. They will be oriented to the clinical activities at each posting, the time to be spent and the clinical competences expected after each posting. This is made available to the students in a hard copy distributed by the clinical instructors at the beginning of the posting.

CLASSROOM ETIQUETTE

Arrive to Class on Time: Students should arrive to class on time.

Turn-off cell phone and other electronic devices: Students cell phones should never ring during class time.

Use Laptops Only for Class Work: Students are encouraged to use their laptop computers during class only as learning aids.

Participate in Class Discussions When Appropriate: Students are expected to respect the opinions of all class participants and to dialog in a professional manner.

Use Professional Language: Students are required to refrain from using offensive or foul language in class.

COURSE AND CLASSROOM REGULATIONS

Do Not Bring Children or Pets to Class: Students are not allowed to bring either children or pets to class.

No Food in Class: Students are asked not to bring food items into the classrooms.

Stay the Entire Class: Students are expected to remain seated and engaged in classroom activities until the class has concluded.

Abide by the university rules and regulation Codes: Students are expected to follow all aspects of the University conduct codes.

Safe Practice in the Clinical Setting

Safe practice in clinical settings is expected at all times. A student whose pattern of behaviour is found to be unsafe may be terminated from a clinical practicum for reasons of unsafe practices at any time during the semester and receive a grade of "F" for the course.

The student will demonstrate patterns of professional behaviours which follow the legal and ethical codes of nursing; promote the actual or potential wellbeing of clients, health care workers, and self in the biological, psychological, sociological, and cultural realms; demonstrate accountability in preparation, documentation, and continuity of care, and show respect for the human rights of individuals.

Students are bound by the rules and regulations of the school and the health care agencies.

Examples of unsafe practices include but are not limited to the following:

- a. Failure to notify the agency and/or instructor of clinical absence.
- b. Failure to adhere to the dress code.
- c. Presenting for clinical practicum under the influence of drugs or alcohol.
- d. Failure to meet course attendance requirements.
- e. Repeated tardiness to clinical assignments.
- f. Failure to consult clinical instructor prior to any changes on clinical assignments.
- g. Leaving the clinical area without notifying appropriate personnel.

The student practices according to the National Nurses Association Code for Nurses, Standards of Practice, and the ethics of the nursing profession.

Examples of unethical practices include but are not limited to the following:

- a. Refuses assignment based on client's diagnosis, race, culture, or religious preference.
- b. Inappropriate practice in any assigned activity related to clinical practice.
- c. Ignoring unethical behaviour(s) of other health care persons in clinical

Setting which affects client welfare

A student whose pattern of behaviour endangers a patient, peers, staff members, or clinical instructor's safety will be given a verbal and written warning by the primary clinical instructor. At the discretion of the clinical instructor, the student may be removed immediately from the clinical area. This may result in failure in the course.

Transfer

Transfer of students from the department of Nursing to another and vice versa within and outside the university is undertaken based on the university guidelines of inter-departmental/inter university transfer.

Medical Examination/Certification of Fitness

A student is expected to present a certificate of good health before registration into the school. After registration, he/she should open a file with the university health services available in the University clinic. The university health service has able and experienced nurses, medical doctors, pharmacists, medical laboratory scientists, public health officers and other paramedical staff. These are committed to promoting the physical and mental wellbeing of the students. The student is entitled to 24 hours free medical and dental

services, and free dispensation of drugs. Fitness examination can be done on demand or where it is binding on students.

Medical report is issued on need to the students treated in the school clinic. The doctor that treats the ailment usually writes the report. A student who receives treatment while at home should endeavor to collect medical report from the hospital before returning to the school.

Leave/Vacation

The BNSc. Programme is a semester program, with two semesters in each session. In each semester, the students enjoy a one-week mid-semester break. At the end of a semester they are also entitled to another one week break before they start a clinical posting. This applies to 200, 300 and 400 level students. 100 level students go for the semester break as is applied in the school calendar, while 500 level students enjoy the semester break when their clinical posting is over.

Student Class Representative

With commencement of the study programme, each class appoints a class representative and an assistant. Their responsibilities with include proper organization of the class, representing the class members in issues pertaining to the class activities.

Students' Union

The university encourages the students to organize themselves into and join organizations. In this regard, a student Representative Committee (SRC) serves as a body for interaction between the students and university management. Representatives are elected in the various faculties and hostels.

Students' Departmental Association

Students in the department have a body referred to as Nigerian University Nursing Association (NUNSA).

i. The association has the following aims and objectives:

- To promote the pursuit of academic excellence in all

ramifications for the upliftment of Nursing Profession.

- To promote and protect the interest of any member of the association.
- To encourage and support mutual exchange of ideas through scientific researches and seminars on the subject of Nursing Sciences.
- To foster unity among the members of the association.
- To promote and maintain cooperation with other chapters of the NUNSA and with other associations and organizations for mutual benefit.
- To promote the participation of members in a national or international university Nursing Association.
- To ensure at least an annual publication of the Association hand book “NUNSA HAND BOOK”.

ii. *Membership*

Every student of the department of Nursing Sciences, Usmanu Danfodiyo University shall automatically on admission become a member.

iii. *Class of Membership*

The association shall consist of-

- a. Ordinary membership: This shall be any registered student of the university pursuing a course of study in the department of Nursing Sciences.
- b. Honorary: may be appointed as deemed fit by reason of interest of the individual(s) in students and academic matters especially relating to the association and Nursing. Such appointment shall be made by the executives and be made known to the members.
- c. Patrons/Patronesses: these shall include the head of Department of Nursing Sciences, Dean Faculty of Allied Health Sciences, all staff of Department of Nursing Sciences, and other staff in the Faculty of Allied Health Sciences, Usmanu Danfodiyo University who shows interest in the association or other person(s) deemed fit by the executives.

Departmental Standing Committees

Committee	Mission	Activities	Members
Departmental board	Official approval of all departmental decisions	<ul style="list-style-type: none"> • Monthly meeting • Discuss all important letters • Discuss the teaching activities • Design the department annual plan • Monitor all activities in the department • Submit monthly minutes to the Dean 	<ul style="list-style-type: none"> • HOD • Academic Staff • Non-academic • Staff
Students and academic affair	Design, review, modify the teaching and education activities also covers the curriculum education development, academic coaching	<ul style="list-style-type: none"> • Quarterly meeting or as needed • Keep contact with the academic planning office • Discuss the programme and course specification • Review the program and course report • Discuss the students' complaints • Review the rules and policy 	<ul style="list-style-type: none"> • Academic staff

Committee	Mission	Activities	Members
		<p>of admission</p> <ul style="list-style-type: none"> • Review the requirements of graduation • Review and update the students' guides and manuals • Review the students' clinical training activities • Prepare for semester examinations • Prepare for internal and external defense • Estimate the budget for examination • Put a plan for field trips • Suggest a semester education plan • Review the scheme of marking • Monitor the examination exercise • Held at least one scientific conference per year 	

Committee	Mission	Activities	Members
		<ul style="list-style-type: none"> • Submit the meeting minutes and reports to HOD. 	
Postgraduate and scientific researches activities	Design, review and modify the postgraduate teaching and education activities. Also covers the postgraduate curriculum and education development	<ul style="list-style-type: none"> • Quarterly meeting or as needed. • Keep contact with the postgraduate Dean The same activities of students 'Affairs committee but on the postgraduate program level <ul style="list-style-type: none"> • Suggest annual scientific research plan • Conduct a plan for staff development • Search for Grants Search for scientific collaboration between the departments, faculties and university inside and outside Nigeria • Submit the meeting minutes and reports to HOD • Discussion of the staff proposal and researches through hearing session 	<ul style="list-style-type: none"> • Academic staff

Committee	Mission	Activities	Members
Community services and environmental development	Discussion of all issues and activities related to the community as concern to the departmental physiology and students competencies Alumni activities.	<ul style="list-style-type: none"> • Quarterly meeting or as needed • Provide the department with the updated requirements from nursing and midwifery council • Help the students in online registration for nursing and midwifery exams • Determine the community needs Suggest a plan for departmental involvement to meet this needs • Monitor and maintain the departmental environments clean • Held at least one healthy environment day 	<ul style="list-style-type: none"> • Academic staff • Clinical Instructors
Quality	Quality assurance to all departmental activities, educational official staff, students and employees	<ul style="list-style-type: none"> • Quarterly meeting or as needed • Keep all departments approval • Prepare for staff development and scientific 	<ul style="list-style-type: none"> • Academic staff • Administrative staff

Committee	Mission	Activities	Members
		activities attendance <ul style="list-style-type: none"> • Review and keep all programs courses specification and reports • Analyze the students' course reports • Send a letter for the lecture by performance rate • Measure the satisfaction levels for all student employees, staff and stakeholders • Prepare the self-study report 	
Informational Technology	Website Maintenance	<ul style="list-style-type: none"> • Update the department website • Determine the departmental needs from • Keep contact with ICT Center • Update all departmental necessary Information 	<ul style="list-style-type: none"> • Academic staff • Administrative staff
Purchase and Budget	Monitors the purchase of all items required includes	<ul style="list-style-type: none"> • Carry out all purchasing matters 	<ul style="list-style-type: none"> • Academic Staff

Committee	Mission	Activities	Members
	DTLC	<ul style="list-style-type: none"> • Examines the quotations submitted and finalize the deal • Finding of budget • Rate contracts • Prioritization of equipment • Evaluation of tenders • Buy-back purchases • Audit of purchase proposal • Follow-up of orders • Receipt of materials • Inspection of materials • Advance payments 	
Youth activities	Providin g a variety of services to students	<ul style="list-style-type: none"> • Develop the values of national awareness between the students • Draw the strategic activities for students' union in the department Offer advice and support and referral to students • Organizes social sports and recreation Activities 	<ul style="list-style-type: none"> • Students advisor • Elected • Students Official

Coordinators and Officers of the Department

- Nursing and midwifery council:
- Examination office:
- Curriculum officer:
- Library & ICT affairs:
- Clinical coordinator &Public health:
- Seminar &Graduation project
- Registration officer:
- Teaching Practice, SIWES & Field trip:

University Examination

General Examination Regulations (as contained in the university handbook)

1. *Unless the context otherwise requires;*

- (i) “Examination” means any examinations required by the Senate in a programme of studies to which these regulations apply.
- (ii) “Session” means an academic year of 2/3 semesters as determined by the Senate.
- (iii) “Semester” means the subdivision of the session/ year of study into two/three sections: a semester normally should last about 18 weeks (including registration, teaching and examination period) provided that no less than 15 weeks each are actually devoted to teaching during the first and second semesters and 10-12 weeks (during the long vacation semester).
- (iv) “Year of Study” means the total aggregate of course units undertaken by a student within a session.
- (v) “Programme of Study” means the total aggregate of years of studies undertaken by student which together form a degree course.
- (vi) “Course Units” mean those units of teaching the examination results of which are aggregated to determine a student’s overall assessment for a year of studies. It is a quantitative organization of the curriculum in which subject areas are broken down into discrete parts which are examinable and for which students earn credits (s) if passed: each examinable course unit spanning only one semester.
- (vii) “Credit Unit” means:
 - a A measure of work load in which it describes the student-teacher contact hours per week per semester e.g. one credit which is equal to one-hour lecture or tutorial etc. per Week per semester.

- b. A measure of course weighting the number of contact hours per week per semester determines the weighting.
- (viii) “Grade Point” (GP) means the actual mark/score for a given course converted into a grade point
- (ix) “Grade Point Average (GPA) means the average of weighted grade points earned in the course taken during a semester. The GPA is obtained by multiplying the GP attained in each course by the number of Credit Units assigned to the course, summing these up and dividing the total number of credit units taken in the semester
- (x) Cumulative Grade Point Average: means the up-to-date mean of the Grade Points earned by the student in a programme of study. It is an indication of the students’ overall performance at any point in the programme of study. This is obtained by totaling Grade Points multiplied by the respective credit units for all semester to date and adding by the number of credit Units completed
- (xi) Probation: means a status granted to a student whose academic performance as measured by the CGPA falls below 2.40 at the end of any year of study.
- (xii) “Supplementary examinations: means an examination given to students in failed course units.
2. Examinations may take the form of written papers, oral examinations, practical, clinical, the submission of projects, any combinations of these, or any other form approved by the Senate. The continuous assessment of course work should carry 30% of the total marks and should be included in determining examination results.
3. Notwithstanding any provisions contrary to these regulations, the Senate reserves to itself the power to decide any case on the basis of what appears to it to be fair and just in the circumstances of the case: and to approve examination results in spite of any breach of these

regulations, if the senate is satisfied that the said breach has not substantially affected the examination results.

Appointments and Duties of Examiners

1. Examinations in any academic discipline shall be conducted by: -
 - (a) A Chief Examiner;
 - (b) One or more External Examiners where appropriate; and
 - (c) Internal Examiners.

Chief Examiner

1. A Chief Examiner shall be appointed by the Senate on the recommendation of the relevant Faculty/School Board, normally being the Head of the Department/Director concerned with the academic discipline.
2. The duties of Chief Examiner shall be generally to make arrangements for the examinations in his discipline by ensuring the preparation and security of examination papers, marking and the determination of results.
3. The Chief Examiner shall arrange for all marked scripts and marking sheets to be securely kept in the department under the Chief Examiner's control. No marked scripts shall be destroyed within two years after the examination. No person or organization outside the University except an External Examiner may have access to any marked script and marking sheet.

Internal Examiners

1. Internal Examiners for all examinations shall be appointed annually by the Senate on recommendation of the Faculty Boards. They should be members of the academic staff normally that graduated at least two sessions earlier. They shall be eligible for re-appointment.
2. The duties of an Internal Examiner shall be:
 - (i) To prepare and sign examinations papers which the Chief Examiner has assigned responsibility;

- (ii) To preserve the secrecy of examination papers at all stages until the papers were worked by the candidates;
- (iii) To mark answer scripts *before* they are moderated by the External Examiner; and
- (iv) To perform any other examination duties required by the Chief Examiner.

External Examiners

1. External Examiner shall be appointed for all examinations at the end of each year of study
2. External examiners shall be appointed by the senate on the recommendations of the relevant Faculty Boards. An external Examiner shall be eligible for re-appointment but may not, except with the express approval of the Senate, be appointed for more than three consecutive sessions, after which he will not be eligible for re-appointment until a further three sessions have elapsed.
3. Except in a case which, in the opinion of the Senate represents an emergency, no person who is employed by the University or is a member of a Faculty Board or of the University Council shall be an External Examiner, nor shall any person who previously taught in the University be an External Examiner if any student whom he taught is a candidate in the examination concerned. When recommendations for the appointment of an External Examiner are submitted to the relevant Faculty, qualifications, and current University or other appointment shall be stated.
4. The duties of an External Examiner in any examination, including a supplementary examination. Shall be to:
 - Moderate and certify draft examination papers in order to ensure the maintenance of a good standard, and to recommend such alterations as he may think fit.

- Moderate the marking of papers in the academic discipline for which he is an examiner;
 - Conductor take part in practicals, clinicals, teaching practice tests, orals, etc as required by the Chief Examiner.
 - Certify the mark list in any subject examined by him and where possible the relevant overall pass list or lists;
 - If possible, to attend the meeting or meetings of Board of Examiners
 - Report to the Vice Chancellor and to the Chief Examiner concerned, and when he thinks it's appropriate to the faculty Board and Senate, on the following matters:
 - The standard of the examinations;
 - The standard of marking by the Internal Examiners;
 - The standard of project or course work when examined;
 - The pass list and any honours classification;
 - And any other matters that call for comments.
5. An External Examiner shall be remunerated as determined from time to time by the Committee of Deans and Directors.

Registration of Students for Examinations

In order to be admitted to any examinations a student must have been registered for the course units to be examined and must have fulfilled by university requirements concerning residence fees or other matters. At least 75% attendance is required in all classes, tutorials, laboratories, field trip and practical training etc. to qualify to sit for semester examinations.

1. He must also have fulfilled any Faculty requirement regarding attendance or satisfactory completion of any course work, practical, assignment, projects or other matters. The standards necessary to satisfy these Faculty requirements shall be determined from time to time by Faculty Board on the recommendation of the appropriate departments and any

changes shall be made known to the students at the beginning of the relevant teaching.

2. The Registrar shall prepare examination cards with appropriate examination numbers for issue on the application of students at least two weeks before the semester examinations begin. These cards will be prepared on the basis of lists of students submitted by each Faculty Examination Officer, who shall certify that the students have been registered for the programmes of studies shown for them and have not infringed any Faculty requirements.
3. Before issuing an examination card to any students, the registrar shall confirm that the student has been registered in the Academic Office for the programme of study and has not infringed University requirements for admission into examination.
4. It shall be the responsibility of each student to make sure that he is registered for appropriate examinations and that he knows the dates, times and places of the examinations for which he is registered.

Preparation of Examination papers

1. Draft examination papers shall be prepared as set out above. The Chief Examiner will ensure that each bears appropriate rubrics showing:
 - (i) The date and time on which the paper is to be taken (if known when the paper is prepared);
 - (ii) The number of questions to be answered and any restrictions as to choice;
 - (iii) Where the answer should be written;
 - (iv) any additional materials to be supplied by the Invigilator to candidates; and
 - (v) Any other necessary instructions to students.

2. At all stages draft papers shall be passed by hand only between persons directly concerned and in envelopes marked “Confidential”.
3. The Chief Examiner shall arrange for the examination papers to be printed or duplicated in secured conditions, ensuring that no unauthorized person has access to them and that all spare copies, stencils, etc are destroyed. Sealed packets of papers shall be marked to show the Faculty, subject, year and date of the examination and the number of copies. They shall be transmitted securely for safe keeping to the Registrar or for examinations to be held on the Institute of Administration Campus, to the Secretary of the Institute.
4. When examination papers have been printed or duplicated, the Chief Examiner concerned shall deposit them with the Registrar as appropriately marked envelopes, with the Chief Examiner’s signature on the outside of the envelope.

Conduct of Examinations

A. General University Regulations (as contained in the university handbook)

- i. The University Senate reserves the power, under the Act establishing the University and other subsequent amendments, to decide exclusively on all academic matters.
- ii. At the end of each semester or when applicable, examinations are conducted for courses taught in various departments. Such Examination may take the forms of written papers, oral examination, practical, clinical, submission and defense of written projects, etc. as approved by the University Senate.
- iii. The time table for the examination shall be fixed on the various notice boards and website in the University stating the time and venue of all examinations.

- iv. Students who have clashes in the examinations based on the time-table should immediately intimate their Departmental/ Faculty Examination Officers.
- v. Students who fail to intimate the appropriate officers of the University of Impending Clashes in examinations shall blame themselves for any difficulty or eventuality that may rise.
- vi. Continuous assessment shall be included in determining the final score of candidates in the examination results.
- vii. Any student who absents him/herself from any examination without University approval and has not withdrawn from the course of study would be graded “F” for such course (s) and the grade(s) would be reflected in calculation of his/her GPA for the semester or session. Where there is an approval, such should be documented as appropriate.
- viii. Subject to the approval of the Senate, the University may grant concessions to student(s) who could not complete or write all the examinations due to certified illness or other exigencies acceptable to the Senate. Where the Senate accepts any reason as genuine, it shall be at pleasure of Senate to determine the nature of concession(s) to be so given.
- ix. The University may allow second semester registration in appropriate cases.
- x. Students who satisfy the requirements for examinations shall be issued with an examination card dully signed by an appropriate officer, which shall be presented to the invigilator in all examinations.
- xi. No student shall be allowed to enter the examination hall without the University identity card and examinations card.
- xii. A candidate shall not be allowed to enter examinations venue if he or she is more than 30 minutes late.

However, a candidate may be allowed entry only at the discretion of the invigilator in consultation with the Head of Department or the Faculty Examinations officer. Such cases shall be reported in writing by invigilator to the Faculty Examinations Officer.

- xiii. A candidate shall not be allowed to leave the examination venue within 45 minutes after the commencement of the examination except under exceptional circumstances approved by the Head of Department or the Examinations Officer or the invigilator.
- xiv. No candidate shall leave the examination venue during the last 15minutes of the examination.
- xv. on entering the examination venue, it is the responsibility of the candidate to draw the attention of the invigilator to any paper or material on his/her seat, table or on the floor around him/her to ensure that such materials are removed before the commencement of examination.
- xvi. A candidate who arrives late shall not be allowed extra time
- xvii. A candidate shall deposit any handbag, brief case, books, handouts, etc. outside the examination venue or in front of the invigilator before the commencement of the examination. A student coming into the examination hall with material(s) other than writing material(s) will be doing so at his/her own risk.
- xviii. A candidate shall comply with the instructions to candidates as set out on question paper and answer booklet or other material supplied.
- xix. Candidate(s) shall also comply with any lawful instruction(s) given by the invigilator.

- xx. A candidate shall only use the answer booklet or other materials provided by the invigilator. All rough works must be crossed out neatly.
- xxi. Rough works shall only be done on the answer booklets.
- xxii. Supplementary answer sheets or booklets, even if they contain only rough work, must be neatly packed into the answer booklet.
- xxiii. Under no circumstance shall a candidate write anything other than his/her admission number and name on the question paper.
- xxiv. Where attention of the invigilator is required, hand should be raised to indicate the need. Absolute silence must be maintained.
- xxv. There should be no writing on examination card and the question paper unless a student is asked to do so.
- xxvi. Nursing mothers are not allowed to write examination with their babies.
- xxvii. Female students wearing face covering are required to be appropriately identified before they are admitted into the Examination Hall and may be required later for identification.

B. Writing of Examinations on Hospital Beds

- i. A hospitalized student shall apply for permission to write examination on his/her hospital bed through his/her physician. The application should reach the Head of Department at least 7 days before the examination of the affected course.
- ii. The Head of Department shall, within 24 hours of receipt of the application, forward his recommendation to the Dean of his Faculty.
- iii. Subject to availability of facilities, the Dean approves the application and notifies the University Authority through the Registrar.

- iv. A copy of the approval shall be made available to the Chairman, Examination Monitoring Committee, before the commencement of the examination for necessary action.
- v. The approval shall be communicated to the student at least 24 hours to the examination.
- vi. A minimum of N1, 000.00 and a maximum of N5, 000.00 shall be paid by the student, being expenses for the conduct of the examination per paper.
- vii. Examination materials (question papers and scripts) for the student should leave the main examination hall within 2 minutes of commencement of the examination and should reach the hospital within 45 minutes of commencement.

C. Guidelines for Re-Marking of Examination Script(S)

- i. When a student applies for his/her scripts to be re-marked, Senate is to approve the assessor on the recommendation of the Vice-Chancellor.
- ii. The assessor should be paid an appropriate honorarium to be determined by Senate.
- iii. A student who wishes to apply for his/her paper(s) to be re-marked, should do so within one week of release of examination results by his/her faculty.
- iv. A student should pay, in cash and advance, the full expenses for the re-marking (to be estimated by Registry) before his/her script(s) is/are sent out. The payment should be done within one week of Senate's approval of the assessor.
- v. The verdict of the assessor, which would be reported to the Senate before being known to the student, will be final.
- vi. All such requests should be routed through the complainant's Faculty Board, which should, within two

weeks of the receipt of the complaint, investigate and present to the Senate their findings and recommendation(s).

If the complainant is however, not satisfied with the decision taken at this stage, he/she would then be free to apply for his/her script(s) to be remarked by another external assessor in accordance with the above guidelines

CONDUCT OF EXAMINATIONS IN THE DEPARTMENT

- a) In order to be admitted to take part in the examinations leading to BNSc degree, a student is required to complete satisfactorily the course, practical, assignments or projects that are laid down for the relevant parts of the programme of studies
- b) For each course, a candidate must attain 75% attendance
- c) The continuous assessment is 30% while examinations is 70%
- d) For all courses offered in the Department and College of Health Sciences (CHS), including all professional nursing courses, the pass mark is 50%.
- e) For all other University courses the pass mark shall be according to the regulations governing the courses.
- f) Students should pass all courses that are pre-requisite to other courses before moving to the next level in the programme.
- g) A pre-clinical student (100-200 level) is allowed to repeat only once, after which if he fails will be withdrawn from the programme.
- h) Clinical students (300-500 level) are not allowed to carry over any course(s).
- i) Student who failed not more than 50% of courses registered in any clinical year shall be allowed a resit examination.
- j) Students who failed resit examination shall be required to repeat the year.

- k) Students who failed more than 50% of courses taken in any clinical year shall be required to repeat the year.
- l) The maximum GRADE for any score of Re-Sit examination is C
- m) During the period of repeat, clinical student(s) shall repeat all courses at that level.
- n) Clinical student shall not normally be withdrawn on account of failing an examination until they exhaust their maximum limit for graduation i.e. eight academic session including period of repeat.

REGULATION GOVERNING PROMOTION FROM UG I TO UG II

- a. Student shall pass all UG I courses before proceeding to UG II
- b. Student who fails only one course in UG I shall be allowed to proceed to UG II with carryover of that course and must pass the course before proceeding to UG III
- c. Student that fails more than ONE course shall repeat the class
- d. During the repeat year student is expected to register only the failed course(s)
- e. The pass mark for all UG I courses is according to regulations guiding the courses except NUR 101, and NUR 102, which the pass mark is 50%
- f. All departments are expected to submit results not more than 2 weeks after the examination

REGULATION GOVERNING PROMOTION FROM UG II TO UG III

- a. Student shall pass all UG II courses before proceeding to UG III
- b. Student who fails four or less courses in UG II shall be allowed to re-sit before proceeding to UG III

- c. Student that fails more than four (4) courses shall repeat the class automatically without an option of re-sit
- d. Student that fail re-sit course(s) should repeat the class
- e. During the repeat year student is expected to register only the failed course(s)
- f. The pass mark for all UG II courses is 50%
- g. All departments are expected to submit results not more than 2 weeks after the examination

REGULATION GOVERNING PROMOTION FROM UG III TO UG IV

- a. Student shall pass all UG III courses before proceeding to UG IV
- b. Student that fails 50% of courses in UG III shall be allow to resit before proceeding to UG IV
- c. Student that fails more than 50% of courses shall repeat the class automatically without option of resit
- d. Student that failed resit course(s) should repeat the class
- e. During the repeat year, a student is expected to register all the UG III courses
- f. All departments are expected to submit results not more than 2 weeks after examination

REGULATION GOVERNING PROMOTION FROM UG IV TO UG V

- a. Student shall pass all UG IV courses before proceeding to UG V
- b. A student that fails 50% of courses in UG IV shall be allow to resit before proceeding to UG V
- c. A student that fails more than 50% of courses shall repeat the class automatically without option of resit
- d. A student that failed resit course(s) should repeat the class

- e. During the repeat year, a student is expected to register all the UG IV courses
- f. All departments are expected to submit results not more than 2 weeks after examination

PUNISHMENT FOR EXAM MALPRACTICE (AS PRESCRIBED IN THE UNIVERSITY HANDBOOK)

Offences by Students

1) *Expulsion*

The following offences shall carry the punishment of expulsion:

- a) Impersonation at examinations. This may involve the exchange or use of someone else's examination number.
- b) Introduction of relevant foreign materials and cheat notes into the examination hall.
- c) Exchange of relevant materials in examination hall which may involve:
 - 1) The exchange of question papers containing relevant jotting and materials or
 - 2) Collaboration/copying from each other or
 - 3) Exchange of answer scripts
- d) Theft/removal of examination scripts or materials
- e) Mischief by fire to examination scripts or materials
- f) Copying from cheat notes
- g) Consulting cheat notes outside the examination hall
- h) Facilitating/abetting/cheating

2) *Rustication for one academic year*

The following offences shall carry the punishment of rustication for one session:

- a) Non-submission or incomplete submission of answer scripts.
- b) Introduction of foreign materials to the examination hall.
- c) Non-appearance at the senate examination irregularities and malpractice committee (ERIC)
- d) After first warning, the student should be rusticated for one year.

3) ***Written warning***

The following offences shall attract a written warning:

- (a) Speaking/conversation during examination
- (b) Writing on question papers/scripts

4) ***Offences involving staff***

Any act of commission or omission amounting to examination malpractice by a member of staff shall be referred to staff disciplinary committee for appropriate punishment.

Examination Result and Grading System

Semester grades

- i) Semester grades are calculated as grade point averages (GPA) on the basis of A, B, C, D, and F which are equivalent to 4, 3, 2, 1, and 0 grade points (GP) respectively for classified degrees.
- ii) The minimum pass mark is 50% for college and nursing courses or GPA of 2.40, hence a minimum CGPA of 2.40 is required for graduation.
- iii) In order to obtain an overall pass in the examinations in any year of study, a student is required to maintain a CGPA of at least 2.40 to be in good academic standing. A student whose cumulative GPA falls below 2.40 at one end of any year of study shall be placed on probation.
- iv) How grade points are computed in your courses

Grades	Grade points
70 - 100 (A)	5
60 - 69 (B)	4
50 - 59(C)	3
45 - 49 (D)	2
40- 44 (E)	1
0-39 (F)	0

The class of degree as described above is being determined by the efforts a student put into his/her studies from 100 level to 200 level as the case may be to the final level/year of his/her studies.

Nursing and Midwifery Council of Nigeria Final Qualifying Examinations

The BNSc Students are required to be indexed at 200 level, register, sit and pass the nursing and midwifery council final qualifying examinations. These examinations are taken at 400 and 500 levels respectively. This is to qualify the students for registration and licensing with the Nursing and Midwifery Council of Nigeria. This now qualify one to practice the profession within Nigeria.

Registration and Licensing Requirements

The student is required to pay for indexing and fill indexing form, a copy of his/her O-level result that include Maths, English, Physics, Chemistry and Biology; Birth certificate or declaration of age, indigene certificate, secondary school testimonial, marriage certificate if married. When the index number is ready, the student will be notified to pay for registration and after the examination if the student pass, he/she will be awarded with the certificate and license.

The examinations include final qualifying examination for nurses and final qualifying examination for midwives.

1. Final qualifying examination for nurses is being held all over the federation twice each year; in November and May. The student sits for two theory papers I &II, and a practical examination.
2. Final qualifying examination for a midwife is being held all over the federation twice also, but in September and March. The students in the department are sent as post-basic students and therefore, sit for 2 theory papers I & II, and a practical OSCE examination.

A student who fails in any of the above exams has a chance of reciting for it after 6 months to a maximum of 3 sittings. The Nursing and Midwifery Council organizes and oversees all activities relating to these examinations.

Public Health Examination

A public health examination is also available to students at 500 level/after graduations to enable him/her register and practice as a public health nurse.

LIST OF ACADEMIC STAFF

S/N	SP/N	Names	Area of Specialization	Qualification	Rank	Status
1.	5097	Auwalu, M	Maternal and Child Health Nursing	PhD, MSc , BNSc, RN, RM	Senior Lecturer	Tenure
2.	7252	Garba, SN	Community Health Nursing	PhD, MSc, BNSc, RN, RPHN, FWACN	Professor	Visiting
3.	7251	Tukur, MB,	Medical-Surgical Nursing	PhD, MSc, BNSc, RN, RM	Reader	Visiting
4.		Kara, L. S. M.	Medical-Surgical Nursing	PhD, MN, BScN,	Reader	Visiting
5.	6215	Sani , AM	Midwifery, Maternal and Child Health Nursing	PhD, MSc, BNSc, RN, RM, RPHN, FWACN, NIM	Senior Lecturer/ HOD	Tenure
6.	6166	Anka, NM	Medical Sociology	PhD, MSc, BSc., RN	Senior Lecturer	Tenure
7.	3972	Abubakar, FU	Nursing Education	PhD, MSc., BSc, RNT, RN	Senior Lecturer	Visiting
8.	6218	Shagari, NB	Psychiatric Nursing	MSc, BNSc, RN, RM	Lecturer I	Tenure
9.	6476	Lawali, Y	Nursing Education	PhD, MSc, BNSC, RN	Lecturer I	Tenure
10.	6387	Maru, AS	Medical-Surgical Nursing	MSc, BNSc, RN	Lecturer I	Tenure
11.	5096	Muhammad, MA	Community Health Nursing	PhD, MSc, BNSc, RN	Lecturer I	Tenure
12.	6217	Argungu, ZM	Psychiatric Nursing	PhD, MSc, BNSc, RN	Lecturer I	Tenure
13.		Garba Usman	Paediatric Nursing	MSc, BNSc, RN	Lecturer II	Tenure
14.		Maisanda, K. A	Community Health Nursing	MSc, BNSc, RN	Lecturer	Tenure

					II	
15.		Abubakar Saidu	Nursing Anaesthetic	MSc, BNSc, RN	Lecturer II	Tenure
16.		Zagga, A. D.	Anatomy	PhD, MSc, MBBS	Professor	Tenure
17.		Chika, A.	Pharmacology	PhD, MSc, MBBS	Professor	Tenure
18.		Adamu, I. B	Community Health	MBBS, MPH, FWAC	Senior Lecturer	Tenure
19.		Mashal, J. B	Law and Jurisprudence	LLB , PhD	Senior Lecturer	Tenure
20.		Murtala, A. B.	Physiology	MBBS, MSc, PhD	Senior Lecturer	Tenure
21.		Habibullah, A.	Community Health	MBBS, MPH, FWACP	Senior Lecturer	Tenure
22.		Zayyanu, U Usman	Physiology	MBBS, MSc, PhD	Reader	Tenure
23.		Abdullahi Dandare	Biochemistry	B.Sc, M.Sc., Ph.D	Reader	Tenure
24.		Y. M. Ahijjo	Physics	B.Sc, M.Sc., Ph.D	Senior Lecturer	Tenure
25.		I. M. Magami	Biology	B.Sc, M.Sc., Ph.D	Reader	Tenure
26.		Z. I. S. G. Adiya	Chemistry	B.Sc, M.Sc., Ph.D	Lecturer I	Tenure
27.		A. M. Gumi	Biology	B.Sc, M.Sc., Ph.D	Reader	Tenure
28.		U. M Tukur	Physiology	.BSc, M.Sc., Ph.D	Senior	Tenure

					Lecturer	
29.		S.B Surajo	Anatomy	MBBS, MSc, PhD	Reader	Tenure

NON-ACADEMIC STAFF

A: Clinical Instructors

S/n	Name	Qualification	Rank
1.	Aliyu Hajara	RN, BNSc, MDM	Assistant director, clinical instructor
2.	Suleiman N. A.	RN, RM, BNSc, PDE	Assistant chief clinical instructor
3.	Umar, B. S. F.	RN, RM, BSc (N), PDE	Senior clinical instructor

S/no	Name	Qualification	Rank
1.	Ibrahim Habiba	National Diploma in Public Admin	Computer Operator II (Secretary)
2.	Tukur Bashar	Secondary Certificate	Clerical Officer
3.	Aisha Rambo	NCE	Secretary

Note: Students are advised to read College Hand Book for the list of other staff in the College of Health Sciences who are involved in the teaching of students