



**BAYERO UNIVERSITY KANO**

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**DEPARTMENT OF NURSING  
SCIENCES**

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**Students Handbook**

2023

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Faculty of Allied Health Science

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Published by  
The Department of Nursing Sciences  
Faculty of Allied Health Sciences  
College of Health Sciences  
Bayero University Kano  
Kano state, Nigeria

First published 2010  
Second edition 2015  
Third edition 2019  
Fourth edition 2023

Printed by  
Bayero University Press  
Kano state, Nigeria

## Table of Contents

<b>PREFACE</b> .....	5
1.1 INTRODUCTION.....	6
1.2 BACKGROUND OF THE DEPARTMENT.....	6
1.3 STRUCTURE OF THE DEPARTMENT.....	6
The Department has the following Academic units and a Clinical Instruction unit: .....	6
1. Medical-Surgical Nursing.....	6
2. Maternal and Child Health Nursing.....	6
3. Community Health Nursing.....	6
4. Mental Health and Psychiatric Nursing.....	6
5. Nursing Administration.....	6
6. Nursing Education.....	6
The clinical instruction units include;.....	7
1. Medical-Surgical.....	7
2. Maternal and Child Health.....	7
3. Community/Public Health.....	7
The Clinical Instruction unit operates hand-in-hand with the six (6) academic units. Additionally, the Department provides career guidance and counseling services to students. Here, we offer help and guidance throughout the progress of your degree and when graduating as a professional nurse. ....	7
<b>LIST OF STAFF</b> .....	7
1.4 LIST OF ACADEMIC STAFF.....	7
1.5 LIST OF NURSING STAFF (CLINICAL INSTRUCTORS)/ TECHNOLOGIST.....	8
1.6 LIST OF ADMINISTRATIVE/NON ACADEMIC STAFF.....	9
<b>SECTION 2: THE BNSc PROGRAMME</b> .....	9
2.1 PHILOSOPHY OF THE PROGRAMME.....	9
The Philosophy of the Department is to train educationally and professionally sound polyvalent nurses whose assertion on nursing will be unequivocal in every aspect of healthcare. The Department is committed to providing education that is globally competitive and relevant to the needs of today's healthcare and the developing challenges of Nigeria and beyond. ....	9
2.2 AIMS OF THE PROGRAMME.....	9
1. To offer general and professional education for nurses who will be able to utilize psycho-social and physical factors in health promotion, health maintenance and of health restoration .....	9
2. To advance the professional academic standards of nurses thus addressing current and future global challenges with the ability of playing a leadership role in training and in practice of nursing sciences .....	10

3. To provide an environment conducive for teaching, learning, and practicing of quality evidence-based nursing .....	10
4. To produce professional nurses, who are capable of providing high quality and acceptable nursing services to individuals, families and communities of varying backgrounds, across cultures, nationally and internationally, both individually and as corporate team players.....	10
5. To train intellectually enthused nurses, who would be committed to life-long learning and thus continually improve the quality of care through research and utilization of research and practice reflection .....	10
6. To develop administrative abilities in students through involvement in committees .....	10
7. To develop research capabilities in students through exposure to problem situations and research projects as well as involvement in research teams.....	10
8. To produce graduates with academic training that will enable them take postgraduate degrees and careers in nursing education at the University level .....	10
2.3 COMPETENCIES OF THE GRADUATE .....	10
On completion of the BNSc programme, the graduates should competently demonstrate:.....	10
2.4 ADMISSION REQUIREMENTS .....	11
2.5 DURATION OF THE PROGRAMME.....	11
2.6 PROGRESSION THROUGH THE PROGRAMME.....	12
The Bayero University BNSc students are expected to pass all courses taken with the least percentage before progression to the next level. The minimum pass mark for all courses at the 100 level shall be 40% and at other levels MUST be at least 50%. The total number of credits units taken along with grades obtained in each course will be recorded for the purpose of calculating the cumulative point average [CGPA]. However, students should note that the BNSc of Bayero University is unclassified. Thus, courses taken are graded as follows: .....	12
Note: 45 – 49% is <b>D</b> while 40 – 44% is <b>E</b> for 100 level courses only.....	12
2.7 WITHDRAWAL FROM THE PROGRAMME .....	12
<b>SECTION 3: EXAMINATION REGULATIONS</b> .....	13
3.1 DEPARTMENTAL REGULATIONS.....	13
3.2 GRADUATION REQUIREMENTS .....	15
3.3 CONDUCT FOR STUDENTS IN THE DEPARTMENT .....	15
<b>SECTION 4: COURSES</b> .....	16
4.1: 100 LEVEL COURSES .....	16
<b>SECTION 5: COURSE DESCRIPTION</b> .....	20
5.1.0: 100 LEVEL COURSES .....	20
5.1.1: FIRST SEMESTER .....	20
5.1.2: SECOND SEMESTER.....	21
5.2.0: 200 LEVEL COURSES.....	23

5.2.1: FIRST SEMESTER .....	23
5.2.2: SECOND SEMESTER.....	25
5.3.0: 300 LEVEL COURSES .....	27
5.3.1: FIRST SEMESTER .....	27
5.3.2: SECOND SEMESTER .....	30
5.4.0: 400 LEVEL COURSES .....	32
5.4.1. FIRST SEMESTER .....	32
5.4.2: SECOND SEMESTER.....	33
5.5.0: 500 LEVEL COURSES .....	35
5.5.1: FIRST SEMESTER .....	35
5.5.2: SECOND SEMESTER.....	37
SECTION 6: ACADEMIC STANDARD.....	38
6.1 ACADEMIC WRITING GUIDE.....	38
SECTION 7: GENERAL GUIDE FOR WRITING BNSc RESEARCH PROJECTS.....	39

## PREFACE

On behalf of the entire staff of the department, I welcome you to the department and congratulate for securing admission to study Bachelor of Nursing Sciences (BNSc) in this great institution. I salute you for your decision, courage and desire to study nursing sciences with the aim of contributing your quota towards the improvement of nursing profession and health care services in general.

The BNSc programme is 5 years for the UTME students and 4 years for the Direct Entry students. During the period, you will be engaged in series of lectures, practical demonstrations, clinical experience, teaching practice, community postings and field trips. You will be equipped with theoretical knowledge, research experience and clinical skills to make you competent and capable of providing evidence informed nursing care.

This hand book will guide you on the courses to register at each level as well as the course contents to be covered. The BNSc programme is divided into pre-clinical and clinical sessions. The pre-clinical starts from 100 level to first semester 300 level while the clinical session starts from second semester 300 level to 500 level.

By 300 level, students who gained admission through UTME and DE (students who are not registered nurses) will be indexed by the Nursing and Midwifery Council of Nigeria. Pre-council examination will be written in 400 level first semester and the Professional Qualifying Nursing Council Examination by second semester 400 level. Candidates who are successful may wish to write the Professional Midwifery and Public Health Nursing Examinations. With these, a student in the department may graduate with the Bachelor of Nursing Sciences (BNSc), Registered Nursing (RN), Registered Midwifery (RM) and Registered Public Health Nursing (RPHN) certificates.

This book has the basic information, rules and regulations to guide you towards becoming professional Nurses. On behalf of the entire staff of the department, I wish you success in your academic endeavor.

**Umar Yunusa RN FWACN**  
**Ag. Head of Department**

## **SECTION 1: ABOUT THE DEPARTMENT**

### **1.1 INTRODUCTION**

Welcome to the Bachelor of Nursing Science (BNSc) programme. This handbook is designed to provide you with basic information such as course regulations, outline, description and nature of the programme. Thus, it will guide you through your journey to the Nursing profession.

The perpetually expanding roles of a nurse in a variety of clinical and community health settings as well as the increasing awareness of healthcare consumers about their fundamental rights require the professional nurse to be more advanced. This requires the development of professionals who are clinically competent and who are empowered to function in partnership with the healthcare consumers, through intra and inter-professional coalitions. Therefore, the key focus of the programme is the training of proficient nurse for today's and tomorrow's healthcare arena.

The BNSc degree programme of the Bayero University Kano is designed to produce a polyvalent nurse with the required education, training and competency to perform professional responsibilities.

### **1.2 BACKGROUND OF THE DEPARTMENT**

The Department of Nursing Sciences was established in 2008 in the previous faculty of Medicine under the leadership of Prof. M.S. Mijinyawa as the programme coordinator. It commenced staff recruitment in the same year after resource verification by the National University Commission. Twenty two (22) students were first admitted into the programme in 2008/2009 academic session. The Department started with the use of the former school of physiotherapy complex (current school for continuing education) as a temporary site alongside the Departments of Physiotherapy, Radiography and Medical Laboratory Science before moving to its permanent site at the Aminu Kano Teaching Hospital in 2015. Following the establishment of the College of Health Sciences in April, 2014 the Department is now one of the constituents of the Faculty of Allied Health Sciences.

The University management and the Department have relentlessly made several efforts targeted towards the achievement of the aim of establishing the Bachelor of Nursing Sciences (BNSc) programme. Graduates of the BNSc programme are to be equipped with adequate knowledge, skills and attitudes that will enable them practice competently alongside with other health professionals towards addressing the present and future health challenges of the generality of the people.

Furthermore, the department has steadily grown over the years both structurally and in terms of staff strength.

The department admits qualified UTME students at 100 level and Direct Entry students into 200 level. The curriculum of the programme comprises of theoretical sessions in classrooms, practical demonstrations in the laboratories, clinical experience at the University (Aminu Kano) Teaching Hospital, State Hospitals, field trips and community (rural and urban) posting experiences.

### **1.3 STRUCTURE OF THE DEPARTMENT**

The Department has the following Academic units and a Clinical Instruction unit:

1. Medical-Surgical Nursing
2. Maternal and Child Health Nursing
3. Community Health Nursing
4. Mental Health and Psychiatric Nursing
5. Nursing Administration
6. Nursing Education

The clinical instruction units include;

1. Medical-Surgical
2. Maternal and Child Health
3. Community/Public Health

The Clinical Instruction unit operates hand-in-hand with the six (6) academic units. Additionally, the Department provides career guidance and counseling services to students. Here, we offer help and guidance throughout the progress of your degree and when graduating as a professional nurse.

## LIST OF STAFF

### 1.4 LIST OF ACADEMIC STAFF

S/N	NAME	RANK	APPONITMENT STATUS	Qualification, dates obtained and specialization, membership of professional association and number of publications
1	Prof. Saleh Ngaski Garba	Professor	Full time	PhD 2015, M.Sc 2007, BScN 1998, RN 1989, RPHN 1998, FWACN 2009. Member National Association of Nigerian Nurses and Midwives., 98 Publications
2	Dr Awwal M. Ladan	Associate Professor	Full time	PhD (2018), MDRM (2013), BNSc (2005), RN (2005) RM (2005). Member National Association of Nigerian Nurses and Midwives. 46 Publications
3	Dr. Umar Yunusa	Senior Lecturer	Full time	PhD, 2021. M.Sc, BNSc, RN, FWACN. Member National Association of Nigerian Nurses and Midwives. 29 Publications
4	Dr. Ahmad Rufai Abubakar	Senior Lecturer	Full time	PhD Nursing(2021), MSc Nursing(2013), BNSc(2004), RN(2003)/ Member NANNM, Member ANNE, Member GNAN/ 20 Publications
5	Dr. Adamu Dalhatu	Senior Lecturer	Full time	PhD 2021,M.Sc 2015, BNSc 2011, RPN 2005,RM,2011,RN 2001, Member National Association of Nigerian Nurses and Midwives. 30 Publications
6	Dr. Abdullahi Haruna Ibrahim	Senior Lecturer	Full time	PhD, 2018. M.Sc, BNSc, RN, RNE, RPHN, Member National Association of Nigeria Nurses and Midwives. 33 Publications
7	Dr. Abdulmaleek Musa Aliyu	Senior Lecturer	Full time	Ph.D, 2021, M.Sc, 2016, BNSc, RN, 2009, PDE, 2012. Member National Association of Nigerian Nurses and Midwives. 20 Publications
8	Dr. Umar Lawal Bello	Senior Lecturer	Full time	M.Sc 2016, BNSc 2010, RN 2009, Member National Association of Nigerian Nurses and Midwives. 20 Publications
9	Dr.Ahmed Suberu	Senior Lecturer	Full time	MSc (2017), BNSc (2011), RN. Member, National Association of Nigerian Nurses & Midwives. 21 Publications
10	Mahfuz Mohammed Haddad	Lecturer I	Full Time	M.Sc, 2015, BNSc, 2008, RN, 2000, RNE, 2019,RMPH, 2020 FPWACN. Member



				National Association of Nigerian Nurses and Midwives. 17 Publications
11	Idris Abdulrashid	Lecturer I	Full Time	M.Sc, BNSc, RN, Member National Association of Nigerian Nurses and Midwives. 18 Publications
12	Ruqayya Hamza Usman	Lecturer I	Full Time	M.Sc, BNSc, RN, Member National Association of Nigerian Nurses and Midwives. 15 Publications
13	Khadija Nuhu Nasidi	Lecturer I	Full Time	M.Sc, BNSc, RN, Member National Association of Nigerian Nurses and Midwives. 10 Publications
14	Salisu Abubakar	Lecturer I	Full Time	M.Sc, BNSc, RN, Member National Association of Nigerian Nurses and Midwives. 20 Publications
15	Ashiru Muhammad	Lecturer I	Full Time	. M.Sc, BNSc RN, . Member National Association of Nigerian Nurses and Midwives. 10 Publications
16	Judith Chioma Mba	Lecturer II	Full Time	MSc 2021, MRH, BNSc, RN, RM. Member National Association of Nigerian Nurses and Midwives. 10 Publications
16	Aisha Suleiman Abdullahi	Lecturer II	Full Time	Msc 2021, RM 2015, RN 2012, BNSc 2012 Member National Association of Nigerian Nurses and Midwives. 08 Publications
17	Murtala Hassan Hassan	Lecturer II	Full time	M.Sc, 2018, BNSc, 2008, RN, 2000, RNE, 2019,RMPH. Member National Association of Nigerian Nurses and Midwives. 25 Publications
18	Saratu Garba Abdullahi	Lecturer II	Full Time	M.Sc, BNSc, RN, Member National Association of Nigerian Nurses and Midwives. 15 Publications
19	Amina Rajah	Assistant Lecturer	Full Time	BNSc, RN, RM. Member National Association of Nigerian Nurses and Midwives
20	Summayya Dandago	Assistant Lecturer	Full Time	BNSc, RN, RM. Member National Association of Nigerian Nurses and Midwives

### 1.5 LIST OF NURSING STAFF (CLINICAL INSTRUCTORS)/ TECHNOLOGIST

Name	Rank/Designation Date of First Appointment	Qualifications, Dates Obtained Membership of Professional Association
Hajiya Binta Mansur Yola	Chief Nursing Officer 2/6/2010	RN, RM, RPHN, BNSC, 2018 National Association of Nigerian Nurses and Midwives
Magashi, Halima Garba	Chief Nursing Officer 12/5/2014	RN, RM, BNSC, 2019 National Association of Nigerian Nurses and Midwives
Bebeji, Isah Musa	Senior Technologist 10/5/2013	HND
Muhammad, Musa Sa`ad	Senior Technologist 9/1/2015	HND

## **1.6 LIST OF ADMINISTRATIVE/NON ACADEMIC STAFF**

<b>Name</b>	<b>Rank/Designation Date of First Appointment</b>
Danlami, Isah Muhammed	Confidential Secretary I 4/4/2012
Bilkisu Balarabe	Senior Executive Officer
Ibrahim, Usaini Ibrahim	Laboratory Attendant
Bashir, Naziru	Laboratory Attendant
Umar Jibrin Musa	Laboratory Attendant
Umar, Aminu	Clerical Officer
Idris, Auwal	Cleaner

## **SECTION 2: THE BNSc PROGRAMME**

### **2.1 PHILOSOPHY OF THE PROGRAMME**

The philosophy of the BNSc programme takes cognizance of the philosophy of health services and nursing education for Nigeria. The Nursing profession believes that:

- (i) Man is a bio-psycho-social being and his needs are the focus of all nursing actions. Man is a member of a family and families make up communities.
- (ii) The healthcare system exists to meet the needs of the consumers of healthcare by providing primary, secondary and tertiary healthcare to ensure that individuals, families, groups and communities are assisted to maintain a high level of wellness.

The Philosophy of the Department is to train educationally and professionally sound polyvalent nurses whose assertion on nursing will be unequivocal in every aspect of healthcare. The Department is committed to providing education that is globally competitive and relevant to the needs of today's healthcare and the developing challenges of Nigeria and beyond.

### **2.2 AIMS OF THE PROGRAMME**

1. To offer general and professional education for nurses who will be able to utilize psycho-social and physical factors in health promotion, health maintenance and of health restoration

2. To advance the professional academic standards of nurses thus addressing current and future global challenges with the ability of playing a leadership role in training and in practice of nursing sciences
3. To provide an environment conducive for teaching, learning, and practicing of quality evidence-based nursing
4. To produce professional nurses, who are capable of providing high quality and acceptable nursing services to individuals, families and communities of varying backgrounds, across cultures, nationally and internationally, both individually and as corporate team players
5. To train intellectually enthused nurses, who would be committed to life-long learning and thus continually improve the quality of care through research and utilization of research and practice reflection
6. To develop administrative abilities in students through involvement in committees
7. To develop research capabilities in students through exposure to problem situations and research projects as well as involvement in research teams
8. To produce graduates with academic training that will enable them take postgraduate degrees and careers in nursing education at the University level

### **2.3 COMPETENCIES OF THE GRADUATE**

On completion of the BNSc programme, the graduates should competently demonstrate:

- a) **Regime of Subject Knowledge**
  - i) The scientific principles basic to the nursing care of individuals of all ages in a variety of physical and social settings
  - ii) The nursing process
  - iii) The communication process and group dynamics
  - iv) The process of scientific inquiry
  - v) The functions of members of the health team and their inter-relatedness as well as interdependency.
- b) **Competencies and Skills**
  - i) Identifying health needs, planning and giving comprehensive nursing care to individuals, families and communities
  - ii) Applying Basic Scientific and Nursing Theories, Principles and concepts in the practice of Nursing and Midwifery
  - iii) Selecting appropriate nursing intervention and performing technical skills with maximal dexterousness.
  - iv) Effective communication by organizing and expressing it in the manner in which it could be easily comprehended

- v) Planning and effecting health promotion activities
- vi) Working co-operatively as a member of the healthcare team across all settings by:
  - 1) Sharing information
  - 2) Accepting Responsibility and limitation willingly
  - 3) Participating in group activities
- vii) Initiating and developing entrepreneurship in health services for the underserved and unserved populations.
- c) **Behavioural Attitudes**
  - i) Recognises the essential worth of the individual through interpersonal responses.
  - ii) Appreciates varieties in human behaviour which may influence the care of the individual and families.
  - iii) Shows commitment to the role of nurses and to the nursing profession
  - iv) Shows sense of responsibility for self-direction and personal development.

## **2.4 ADMISSION REQUIREMENTS**

Candidates seeking admission into the BNSc programme of Bayero University, Kano must possess the minimum entry requirements as contained in general issues on Basic Medical Sciences as follows:

- UTME (100 level) - Candidates seeking admission into the Bachelor of Nursing (BNSc) programme must have passed the Secondary School Certificate Examination/West African Examination Council with Minimum of 5 credits including English Language, Mathematics, Biology, Chemistry and Physics in not more than two sittings.
- Direct Entry (200 level) - Candidates for admission into 200 Level are expected to apply through JAMB. The candidates must:
  - i) Have a Registered Nurse (RN) certificate of the Nursing and Midwifery Council of Nigeria or an equivalent body or council with pass at credit level in five subjects at 'O' level which must include Physics, Chemistry Biology Mathematics and English in not more than two sittings, or
  - ii) Have passes in three science subjects (Biology/Zoology, Chemistry and Physics) at Advanced Level, General Certificate of Education (GCE), or Interim Joint Matriculation Board (IJMB) Examination, or any other equivalent examination approved by the Senate of the Bayero University Kano

## **2.5 DURATION OF THE PROGRAMME**

The BNSc degree programme is five (5) academic sessions for UTME candidates and four (4) sessions for Direct Entry. The maximum period of study permissible for the BNSc

programme is nine (9) academic sessions for UTME candidates and eight (8) academic sessions for Direct Entry.

## 2.6 PROGRESSION THROUGH THE PROGRAMME

The Bayero University BNSc students are expected to pass all courses taken with the least percentage before progression to the next level. The minimum pass mark for all courses at the 100 level shall be 40% and at other levels MUST be at least 50%. The total number of credits units taken along with grades obtained in each course will be recorded for the purpose of calculating the cumulative point average [CGPA]. However, students should note that the BNSc of Bayero University is unclassified. Thus, courses taken are graded as follows:

MARKS	GRADE	GPA
70 & above	A	5
60 – 69	B	4
50 – 59	C	3
Less than 50	F	0

Note: 45 – 49% is **D** while 40 – 44% is **E** for 100 level courses only.

- (a) To progress to any level beyond Level II, a student must pass all the courses of the previous level.
- (b) A student who fails not more than one quarter ( $\leq \frac{1}{4}$ ) of his/her credits shall resit the failed courses.
- (c) A student who fails the resit examinations in any course shall repeat the level, subject to (f) and (g) below.
- (d) A student who fails more than one quarter ( $> \frac{1}{4}$ ), but not more than one half ( $\leq \frac{1}{2}$ ) of the credits shall repeat the level, subject to (f) and (g) below.
- (e) A student who fails more than one half ( $> \frac{1}{2}$ ) of the credits shall be required to withdraw from the programme.
- (f) A student can repeat a level at most once, subject to (g), below
- (g) The maximum duration for the programme is nine (9) years

## 2.7 WITHDRAWAL FROM THE PROGRAMME

The Department shall recommend to the appropriate authority the withdrawal of student(s) from the programme on any of the following grounds:

- (a) Failure to register within the time set by Senate for registration
- (b) Failure to pass any of the four major Level I subjects

- (c) Failing more than one half (½) of the credits registered at Level II or higher in the programme
- (d) Failure to pass a level that has been repeated
- (e) Failure to attend classes for a period which exceeds 30 consecutive days except upon approved medical or other grounds acceptable to the University
- (f) Failure to complete the stated requirements for the award of a degree within the maximum duration laid down for the programme
- (g) Failure to sit for the entire semester examinations without any valid reasons

### **SECTION 3: EXAMINATION REGULATIONS**

#### **3.1 DEPARTMENTAL REGULATIONS**

Students are required to register for courses within and outside the Department as recommended by the Academic Board of College of Health Sciences and approved by the Senate. Examination in each course can be theory, practical/clinical and oral examinations or combined.

- i. To sit an examination student must have at least 75% attendance (lectures and clinicals)
- ii. It shall be the responsibility of each student to make sure that (s)he is registered for the appropriate examinations and be sure of the dates, times and places of the examinations for which he is registered; also to ensure that he is in possession of any identity document prescribed for the examinations.
- iii. Each candidate should be at the examination room at least ten minutes before the advertised time of the examination. He is required to supply his own writing materials.
- iv. All students should bring identity document to each examination and display it in a prominent position on his/her desk.
- v. A candidate must show his/her full face when asked to do so by the invigilator for the purpose of identification.
- vi. A candidate must show both ears when asked to do so by the invigilator.
- vii. Any book, paper, document, examination aid (except as may be provided for in the rubric of the question paper and announced to the candidates in advance), handbag or briefcase which is brought to the examination room must be deposited at the Invigilator's desk, or a place designated for the purpose, before the start of the examination. In no circumstances must it be placed on or near a candidate's writing desk.

- viii. Each student must sign in by completing a line on the attendance register – writing his/her registration number, name, answer booklet number and then signing. Students are advised to note their serial number and attendance register number for the ease of signing out.
- ix. Each student must also sign out after submitting his/her answer script by signing the appropriate column of the attendance register.
- x. A student must write his/her examination number, but not name, distinctly on the cover and on every page of the answer booklet, as well as on any extra sheets used.
- xi. The use of scrap paper, question paper, toilet tissue, etc, for rough work is not permitted. All rough work must be done in answer booklets and crossed neatly through, or in supplementary answer sheets which must be submitted to the Invigilator.
- xii. A candidate arriving late shall be admitted up to thirty minutes after the start of the examination, but he shall not be allowed extra time. If (s)he arrives more than thirty minutes late but before one half of the total duration of the examination has elapsed, the Invigilator may at his discretion admit him if he is satisfied that the candidate has good reason for his lateness, and provided that no candidate has already left.
- xiii. No candidate shall be admitted after half the duration of the examination has elapsed.
- xiv. A student may be permitted by the Invigilator to leave the examination room during the course of an examination but:
  - (a) No student shall normally be allowed to leave during the first thirty minutes or the last ten minutes of the examination.
  - (b) A student leaving must sign out and hand his script to the Invigilator before leaving if he does not intend to return.
  - (c) A student who leaves the examination room shall not be re-admitted unless throughout the period of his absence he has been continually under the supervision of an invigilator or Examination Attendant.
- xv. No student shall speak to any other student or, except as essential, to the Invigilator or make any noise or disturbance during the examination.
- xvi. A student must not directly or indirectly give assistance to any other student or permit any other student to copy from or otherwise use his papers. Similarly a student must not directly or indirectly accept assistance from any other student or use any other student's papers.

- xvii. A student must not use a mobile phone or any other unauthorized ICT device in the examination hall for any purpose; *and doing so is an offence*. All handsets shall be *switched off and be out of sight*.
- xviii. All students are responsible for protecting their work so that it is not exposed to other students.
- xix. Any student accused of involvement in examination malpractice would be asked to fill in the prescribed form giving his/her own version of events. A student that fails to fill the form is denying him/herself an important opportunity.
- xx. At the end of the time allotted, each student shall stop writing when instructed to do so and shall gather his scripts together. He shall then remain at his desk until all candidates scripts have been collected, and he has been given permission by the Invigilator to leave. It shall be the candidate's responsibility to ensure that his/her answer scripts are collected by a University official in the examination room before he/she leaves.

### **3.2 GRADUATION REQUIREMENTS**

All students must pass Departmental pre-qualifying examination before they can be presented for the Nursing and Midwifery Council of Nigeria (N&MCN) professional qualifying examination for General Nurses. Those who passed the N&MCN professional examination shall be presented for Midwifery and/or Public Health Nursing professional examinations.

It is mandatory that students pass the qualifying examination of N&MCN before completion of the degree programme. Below are additional requirements for graduation:

- (1) Before a student graduates, she/he must have taken and passed all the courses and fulfilled all other requirements for graduation by the university. This includes passing the professional examination of the Nursing and Midwifery Council of Nigeria
- (2) Satisfy all other requirements governing the award of BNSc of Bayero University Kano.

### **3.3 CONDUCT FOR STUDENTS IN THE DEPARTMENT**

Students of the Department of Nursing Sciences are expected to:

1. Adhere to the University dress code
2. Respect one another, maintain honesty and hard work
3. Be punctual and attend all lectures, tutorials, seminars and practical sessions
4. Report genuine reason for any absenteeism appropriately
5. Avoid use of and or switch off mobile phones during lectures as well as clinical postings



6. Maintain silence during lecture hours/clinical posting and must not disturb the College by operating musical instrument or drumming
7. Refrain from Smoking and or drinking any intoxicant within the University as well as clinical areas
8. Show professional respect to all clinical supervisors throughout their programme
9. Adhere to code of ethics and etiquette of the Department and University

**SECTION 4: COURSES**  
**4.1: 100 LEVEL COURSES**  
**100 LEVEL COURSES**

**FIRST SEMESTER**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>LECTURE HOURS</b>	<b>PRACTICAL HOURS</b>	<b>REMARKS</b>
BIO 1201	General Biology 1	2	0	
BIO 1203	General Biology 11	2	0	
CHM 1241	Organic Chemistry	2	0	
CHM 1251	Physical Chemistry	2	0	
PHY 1211	Mechanics	2	0	
PHY 1221	Electrical and Management	2	0	
PHY 1171	Physics Practical 1	0	3	
MTH 1301	Elementary Mathematics 1	3	0	
GSP 1201	Use of English	2	0	

18 Credit Units

**SECOND SEMESTER**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>LECTURE HOURS</b>	<b>PRACTICAL HOURS</b>	<b>REMARKS</b>
BIO 1202	General Biology III	2	0	-
BIO 1204	General Biology IV	2	0	-
CHM 1251	Physical Chemistry	2	0	-
CHM 1261	Practical Chemistry	0	6	-
PHY 1230	Behaviour of Matter	2	0	-
PHY 1180	Practical Physics	0	3	-
MTH 1303	Elementary Mathematics	3	0	-
GSP 1202	Use of Library, Study skills and ICT	2	0	-

16 Credit Units

#### **200 LEVEL COURSES, FIRST SEMESTER**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>LECT. HR</b>	<b>PRACT. HR</b>	<b>REMARK</b>
NUR 2201	Foundations of Nursing	2		
NUR 2207	Biostatistics	2		
ANA 2311	Gross Anatomy (upper and lower limb)	3	3	
ANA 2142	Histology I (Basic)	1		
ANA 2123	Embryology I (Basic)	1		
PYS 2227	Blood and Immunology Physiology	2		
PYS 2225	Endocrinology and GIT	2		
BCH 2211	General Biochemistry I	2		
BCH 2101	Biochemistry Practical I	-	3	
CSC 2201	Introduction to Computer Science	2		
GSP 2206	Peace Studies and Conflict Resolution	2		

20 Credit Units

#### **200 LEVEL, SECOND SEMESTER**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>LECTURE HOURS</b>	<b>PRACTICAL HOURS</b>	<b>REMARKS</b>
NUR 2202	Foundations of Nursing	2		
NUR 2204	Developmental Psychology	2		
ANA 2362	Gross Anatomy (Thorax, Abdomen, pelvis & perineum)	3	3	

PYS 2222	Cardiovascular System	2		
PYS 2220	Neurophysiology	2		
MCB 2302	Medical Microbiology and Parasitology.	3		
CSC 2202	Application of Computer	2	3	
BCH 2214	General Biochemistry II	2	-	
BCH 2102	Biochemistry practical II		3	
GSP 2204	Foundation of Nigerian Culture, Government and Economy	2	-	
GSP 2205	Logic and Philosophy	2	-	

23 Credit Units

### 300 LEVEL COURSES, FIRST SEMESTER

COURSE CODE	COURSE TITLE	LECT. HOURS /CU	PRAC. HOURS	REMARKS
NUR 3201	Medical- Surgical Nursing I	2		
NUR 3207	Medical- Surgical Nursing Practicum I	2		
NUR 3205	Community Health Nursing I	2		
NUR 3103	Medical Sociology	1		
NUR 3209	Principles and Methods in Epidemiology	2		
ANA 3212	Gross Anatomy (Head & Neck)	2		
PYS 3229	Systemic Physiology	2		
PCL 3201	Pharmaco-dynamics and Chemotherapy	2		
PAT 3201	General Cell Pathology & Cytology	2		

17 Credit Units

### 300 LEVEL COURSES, SECOND SEMESTER

COURSE CODE	COURSE TITLE	LECT. HOURS/ CU	PRAC. HOURS	REMARKS
NUR 3302	Medical-Surgical Nursing II	3		
NUR 3306	Medical-Surgical Nursing Practicum II	3		
NUR 3208	Community Health Nursing II	2		
NUR 3310	Maternal and Child Health Nursing and Family Planning I	3		
NUR3212	Maternal and Child Health Nursing Practice I	2		
NUR 3216	Nutrition and Dietetics in Health and Illness.	2		
NUR 3212	Nursing Ethics and Philosophy	2		
NUR3214	Fundamentals of Human Behaviour	2		
NUR 3218	Environmental Health	2		
PCL 3202	Systemic Pharmacology	2		
EPP3201	Entrepreneurship and Innovation	2		

**400 LEVEL COURSES, FIRST SEMESTER**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>LECT. HOURS/C U</b>	<b>PRACT. HOURS</b>	<b>REMARKS</b>
NUR 4301	Advanced Medical-Surgical Nursing I	3		
NUR4213	Advanced Medical-Surgical Nursing Practice I	2		
NUR 4203	Maternal & Child Health Nursing and Family Planning II	2		
NUR4215	Maternal & Child Health Nursing and Family Planning Practice II	2		
NUR 4205	Management of Nursing Care Services	2		
NUR 4309	Research Process I	3		
NUR 4211	Curriculum Development and Teaching Methodology	2		
NUR4205	Mental Health and Psychiatric Nursing I	2		
EEP 4201	Venture creation and Growth	2		

20 Credits (UNITS)

**400 LEVEL COURSES, SECOND SEMESTER**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>LECT. HR/CU</b>	<b>PRACT. HR</b>	<b>REMARKS</b>
NUR 4302	Advanced Medical-Surgical Nursing II	3		
NUR4218	Advanced Medical-Surgical Nursing Practice II	2		
NUR 4206	Maternal & Child Health Nursing and Family Planning III	2		
NUR4220	Maternal & Child Health Nursing and Family Planning Practice III	2		
NUR 4210	Teaching and Management Practice	2		
NUR 4314	Research Process II	3		
NUR 4216	Principles of Education	2		
NUR 4208	Mental Health and Psychiatric Nursing II	2		
LAW 4201	Medical Jurisprudence	2		

20 Credit Units

**(NUR 4210), Teaching & Management Practice in Schools of Nursing within and outside Kano for 3 weeks (and 1 week for Examination and Supervision).**

**500 LEVEL COURSES, FIRST SEMESTER**

<b>COURSE</b>	<b>COURSE TITLE</b>	<b>LECT.</b>	<b>PRAC.</b>	<b>REMARKS</b>
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CODE		HOURS	HOURS	
NUR 5301	Advanced Community Health Nursing I	3		
NUR 5217	Advanced Community Health Nursing Practice I	2		
NUR 5301	Advanced Maternal & Child Health Nursing	3		
NUR 5219	Advanced Maternal & Child Health Nursing Practice	2		
NUR 5305	Seminar in Nursing I (Special topics)	3		
NUR 5209	Nursing Informatics	2		
	ONE ELECTIVE FROM			
NUR 5311	Paediatric Nursing	3		
NUR 5313	Peri-Operative Nursing	3		
NUR 5315	Ortho - Rhino Laryngology	3		
NUR 5317	Anaesthetic Nursing	3		
NUR 5321	Cardiothoracic Nursing	3		
NUR 5319	Occupational Health Nursing	3		

18 Credit Units

#### 500 LEVEL COURSES, SECOND SEMESTER

COURSE CODE	COURSE TITLE	LECT. HOURS	PRAC. HOURS	REMARKS
NUR 5302	Advanced Community Health Nursing II	3		
NUR 5222	Advanced Community Health Nursing Practice II	2		
NUR 5306	Advanced Mental Health & psychiatric Nursing	3		
NUR 5604	Research Project I	6		
NUR 5306	Seminar in Nursing II (Special topics)	3		
NUR 5208	Health Economics	2		
	ONE ELECTIVE FROM			
NUR 5312	Ophthalmic Nursing	3		
NUR5314	Intensive Care Nursing	3		
NUR 5316	Orthopaedic Nursing	3		
NUR 5318	Dermatology Nursing	3		
NUR 5320	Radiology in Nursing	3		

22 Credit Units

### SECTION 5: COURSE DESCRIPTION

#### **5.1.0: 100 LEVEL COURSES**

##### **5.1.1: FIRST SEMESTER**

#### **BIO 1201: GENERAL BIOLOGY I**

It is the study of the animal cell structure and organization; functions of the cellular organelles, diversity, characteristics and classification of animals, animal reproduction and inter-relationships.

**BIO 1203: GENERAL BIOLOGY II**

A generalized survey of the animal kingdom based mainly on the study of similarities and differences in their external features with examples from Platyhelminthes, Annelids, Arthropods, Fishes, Amphibians, reptiles, Birds and Mammals.

**CHM 1241: ORGANIC CHEMISTRY**

Covers the historical survey of the development and importance of organic chemistry, IUPAC nomenclature and classification of organic compounds, homologous series, covalent bonds and hybridization to reflect the tetravalency of carbon in organic compounds. It also covers electronic theory in organic chemistry, qualitative and quantitative organic chemistry, determination of empirical and molecular formulae, simple techniques of writing structural formulae, isolation and purification of organic compounds, saturated hydrocarbons, structural isomerism, properties and reactions of alkanes and hydrocarbons; -alkenes, cycloalkanes; cis-trans isomerism, simple electrophilic addition and polymerization.

**PHY 1231: MECHANICS**

It provides in-depth knowledge on space and time, frames of reference, units and dimension, kinematics; Fundamental laws of mechanics, statics and dynamics; Galilean invariance, universal gravitation, work and energy, rotational dynamics and angular moment's conservation laws.

**PHY 1220: ELECTRICITY AND MAGNETISM**

Covers the aspect of electrostatics, conductors, currents, dielectrics, magnetic fields, induction, Maxwell's equation, electromagnetic oscillations, waves and their applications.

**PHY 1170: PHYSICS PRACTICAL I**

This introductory course emphasizes quantitative measurements, the treatment of measurement error and graph analysis. A variety of experimental techniques will be employed. The experiments include studies of matters, the oscilloscope, mechanical systems, electrical and mechanical resonant systems, light, viscosity e.t.c covered in the physics courses.

**MTH 130: ELEMENTARY MATHEMATICS 1 (ALGEBRA AND TRIGONOMETRY)**

Elementary set theory, subsets, union, intersection, complements, venn diagram, Real numbers, integers, Rational and irrational numbers, Real sequences and series. It also covers theory of quadratic equations, Binomial theorem, Circular measurement, Trigonometric functions of angles of any magnitude, trigonometric formulae.

**GSP 1201: USE OF ENGLISH**

A General course to teach the use of dictionary as a language learning tool, Basic grammar, developing reading skills, comprehension and summary exercises, continuous writing, development writing skill and speaking skills.

**5.1.2: SECOND SEMESTER****BIO 1202 GENERAL BIOLOGY III**

Gives a highlight on plant cell structure and organization; functions of plant cell organelles, diversity, characteristics and classification of plants, plant reproduction, hereditary and evolution; elements of ecology and type of habitats.

#### **BIO 1204 GENERAL BIOLOGY IV**

A generalized survey of the plant kingdom based mainly on the study of similarities and differences in their external features with examples from viruses, bacteria, protozoa, algae, fungi, bryophytes, pteridophytes, gymnosperms and angiosperms.

#### **CHM 1251: PHYSICAL CHEMISTRY**

Provides an in-sight on principles of atomic structure, isotopes, empirical, molecular, and nuclear structure of atomic fission and nuclear energy, the electronic structure and arrangement of electrons in atoms, electronic configuration of 1<sup>st</sup> and 2<sup>nd</sup> rows of elements, properties of gas, equations of state, kinetic and molecular theory of gases and heat capacities of gases. Equilibrium and thermodynamic cycles, Hess's law, Born-Haber cycle, the meaning of  $K_a$ ,  $K_p$  and  $K_c$ , Le-Chatelier's principle, pH, ionic equilibrium, Buffers, indicators, solubility product, common ion effect, redox reactions, electrode potentials, electrolytes and electrolysis, kinetics; The position of equilibrium and the rate at which it is attained, Factors influencing the rate of reactions, Introduction of activation and catalysis

#### **CHM 1261: PRACTICAL CHEMISTRY.**

Laboratory instrumentations and experimental products shall be conducted in the following areas:

Physical: Determination of heat of reaction, effect of solutes on boiling points of solvents, partition coefficient; Determination of molecular mass by the Dumas and Victor Meyer methods, Measurements of rate equation and activation energy. Other experiments based on the scope of lectures as approved by the department.

Organic: Safety precaution instrument, classification of organic compounds by their solubility's in common solvents, qualitative analysis for common elements in organic compounds. The Identification and classification of acids and bases, functional groups. The identification of the following; neutral functional groups, alcohols, aldehydes, ketones, esters, anhydrides and others. Acetylation of alkaline as an example of the preparation of solid alkaline derivative. An electrophilic addition reaction.

Inorganic; Qualitative and quantitative analysis, molarity, concentration and percentage purity.

#### **PHY 1230: BEHAVIOUR OF MATTER**

Molecular treatment of properties of matter, elasticity; Hook's law; Young's shear and bulk model; Hydrastacles, streamlines, Berncculli and continuity equations; Turbulence, Keynoids number; Viscosity, Laminar flow, Poiseuille's equation. Surface tension, adhesion, cohesion, capillary, drops and bubbles; Temperature, the zeroth law of thermodynamics; heat ;gas law; laws of thermodynamics, kinetic theory of gases, Application.

#### **PHY 1180: PHYSICS PRACTICAL II**

This introductory course emphasizes quantitative measurements, the treatment of measurement error and graph analysis. A variety of experimental techniques will be employed. The experiments include

studies of matters, the oscilloscope, mechanical systems, electrical and mechanical resonant systems, light, viscosity e.t.c covered in the above physical courses.

### **MTH 1303: ELEMENTARY MATHEMATICS 111 (CALCULUS 1)**

Function of real variable, graphs, limits and idea of continuity. The derivatives as limit of rate of change, integration as an inverse of differentiation, methods of integration, definite integrals. Application to area and volumes.

### **GSP 1202: USE OF LIBRARY, STUDY SKILLS AND ICT**

A General course to teach the use of the library as key learning resource, studying skills and role of computer informatics in progress of learning.

## **5.2.0: 200 LEVEL COURSES**

### **5.2.1: FIRST SEMESTER**

#### **NUR 2201-FOUNDATION OF NURSING 1**

The course provides an introduction to nursing as a science and art, the history, definition, ethics, models and philosophy of nursing. It portrays man as a Biopsychosocial being interacting with the environment and gives an introduction to the health care delivery system, professionalism, nursing status and education. It provides a foundation of nature of health and illness continuum, basic human needs and homeostasis, man and its social environment. It also discusses the well-being and illness relationship and the role of the nurse. It focuses on the functions of the professional nurse, the nurse – patient interaction, the nurse-nurse interaction, interaction between other professional in the health service system, nature of culture and societies, and how beliefs affects health care.

The course also introduces the students to various diagnostic measures relevant to nursing practice, concept of primary health care (PHC), meaning, history, philosophy, components and evaluation of PHC.

#### **NUR 2207: BIOSTATISTICS**

The course introduces the student to the statistical process and various statistical method in common use. It deals with the collection, compilation, analysis, presentation of data, and the drawing of conclusion from statistical analysis, cumulative distribution, measures of location and regression, single concept of probability distribution and density. Basic influence about population, mean estimation and test, based on large and small samples.

#### **ANA 2311: GROSS ANATOMY (UPPER AND LOWER LIMB)**

The course introduces to the student an outline of general anatomy which includes terminologies, regional gross anatomy (upper limb and lower limb). The practical period shall involve demonstration of gross anatomy, bones, models and stained microscope slides.

#### **ANA 2142: HISTOLOGY I**

The course introduces to the student an outline of general Histology. The practical period shall involve demonstration of models and stained microscope slides.

#### **ANA 2123: EMBRYOLOGY I**



The course introduces to the student an outline and genesis of general Embryology.

### **PYS 2227: BLOOD AND IMMUNOLOGY**

General functions of blood, composition of blood, plasma proteins, types, origin and its functions. Red blood cells structure, functions, haemoglobin and its functions and haemoglobinopathies, Erythroperosis and factors affecting it, Anemias, degradation of Haemoglobin, bilirubin and development of jaundice,  $Fe^{3+}$  metabolism, Blood coagulation, bleeding time and mechanism of blood coagulation, clotting time, hemophilia and purpura, Role of  $Ca^{2+}$  and platelets in blood coagulation. It also covers blood cells, classification, basis and type of immunity, role of lymphocytes, T-lymphocyte, immunoglobulins, humoral and cell mediated immunity. It explains the basis of immunological diseases, blood groups and Blood transfusion.

### **PYS 2225: ENDOCRINE PHYSIOLOGY & GASTRO INTESTINAL TRACT I**

General functions of hormones, nature of hormones, mechanisms of action and control. Hypothalamic releasing factors, pituitary glands anterior, pituitary posterior hormone functions, hormones, function and control G.H function and its abnormalities, and other releasing factors under control of hypothalamus, thyroid gland hormones  $T_3$  and  $T_4$  physiological function and its abnormalities. Adrenal (mineralocorticoids, glucocorticoids and sex hormones). Adrenal cortex structure and hormones steroid hormones, functions and its abnormalities. Medullary Hormones,  $Ca^{2+}$  functions and homeostasis, Hormones regulating serum calcium (PTH, Calcitonin,  $1,25(OH)_2D_3$ , DH colecalciferol, pancreatic hormones, hormones Resulatis glucose, diabetes mellitus, pineal gland hormones, melatonin. Salivary gland; types of secretions, composition and function of saliva. Mastication, deglutition, phases and protective reflexes, stomach structure, motility and functions of stomach, secretions and regulations, regulation of its emptying, mechanism of secretion and physiology of peptic ulcer, gastrin and vomiting. C.C.K., other G.I. Hormones. Functions of duodenum, jejunum and ileum secretions. Digestion and mechanism of absorption of fat, absorption, motility and functions, proteins, carbohydrate, water and vitamins, large intestine secretions, absorption, motility and functions Defecation. Diarrhea. Liver and Biliary System

Including histological structure of liver, liver functions and liver functions test, jaundice and causes, types of hepatitis. Biliary system, structure of gall bladder, function of gall bladder. Structure and functions of bile salts, bile pigments direct and indirect bilirubin Gall stone and exocrine functions pancreas, hormonal and nervous control of pancreatic secretion, diseases of biliary system and pancreas.

### **BCH 2211: GENERAL BIOCHEMISTRY I**

The course deals with the chemistry of important biological compounds stressing their biogenesis and reaction mechanism. Introduction to biochemistry, introductory kinetic and energetic of enzyme action. Chemistry of protein and enzymes, carbohydrate lipids - vitamins as co-enzymes; oxidation-Nucleic acid.-RNA and protein synthesis diet., food value-vitamin deficiency.

### **BCH 2101: BIOCHEMISTRY PRACTICAL 1**

A Practical in biochemistry demonstrating the topics covered in BCH 2211.

### **CSC 2201: INTRODUCTION TO COMPUTER**

The course introduced the student to digital computer hardware and software, historical perspective. A simple typical application of digital computer to health and nursing programmes. Programming the computer in a selected language, declarative statement, input and output statement, programme complication and execution, control and Conditional statement, flow diagrams, loops and routine, programme testing and debugging techniques. Introduction to structure programming.

#### **GSP 2201: INTRODUCTION TO COMPUTER SCIENCE**

A general course on the use and importance of computer and the role it plays in learning and simplifying tasks in the modern world.

#### **GSP 2206: FOUNDATION OF NIGERIAN CULTURE**

The heritage of the past African political development and governments; The European impact and westernization; contemporary Nigeria, its legal system, and society, educational challenges, media, language and culture.

#### **5.2.2: SECOND SEMESTER**

#### **NUR 2202: FOUNDATION OF NURSING II**

The course introduces the students to various concepts and theories underlying professional nursing practice. It focuses on the definition of nursing process, the model of practice, assessment, objective of care, nursing diagnosis, planning, implementation, evaluation and the practical use. It involves physical assessment, medications and oxygen administration, comfort and safety measures in the care of clients, prevention and control of infection, health education, and nursing of patients with special problems, etc.

#### **NURS 2204 DEVELOPMENTAL PSYCHOLOGY**

This course explains human development from conception through childhood, adolescence to adulthood and the pre-conception influences on the unborn child. It looks at the cultural determinants of health behaviors in infancy, childhood and adolescence, the theories of growth and development, learning, personality development. It discusses human growth and development, nature of intelligence, and individual differences in the determination of health behaviors.

#### **NUR 2106: PROFESSIONAL NURSING PRACTICE**

This is the continuation of Professional Nursing Practice I to apply theory learnt in foundation of Nursing into practice.

#### **ANA 2362: GROSS ANATOMY (Thorax, Abdomen Pelvis and perinium)**

This portion covers regional gross Anatomy of the thorax, abdomen, pelvis and perineum. The practical period shall involve continuation of demonstration of gross anatomy, bones, models and stained microscope slides.

#### **PYS 2222: CARDIO VASCULAR PHYSIOLOGY**

Functional anatomy of the heart, functional organization system of the CVS, cardiac properties, Cardiac cycle, study of cardiac cycle, ECG, pulse, heart sound, Jugular venous pulse, innervations of

the heart, heart rate and its regulation. Cardiac output and factors affecting it. Types of blood vessels, and peripheral resistance. Arterial blood pressure, types, factors affecting, maintaining and regulating it. Types of shock, Effect of haemorrhage, edema, types and causes. Pulmonary circulations, Coronary circulation, environmental effect on CVS, exercise, flight high altitudes, Heart failure, myocardial infarction

### **PYS 2220: NEUROPHYSIOLOGY (Excitable Tissues and Autonomic Nervous System)**

Basis of RMP, AP, graded potentials, synapses types mechanism and properties, neuromuscular junction, Mechanisms of skeletal muscle contraction, structure of skeletal muscle, types of muscle fibres, types of contraction, excitability changes, ionic changes, mechanical changes, Metabolic changes, thermal changes. Fate of lactic acid, effect of successive stimuli tetanus, and effect of loading. Fatigue and its causes, comparison between skeletal, smooth and cardiac muscles. General, origin, distribution and functions of parasympathetic and sympathetic nervous system. Pharmacology of autonomic nervous system.. Classification, comparison between sympathetic and Para sympathetic, sympathetic, origin distribution, function. Parasympathetic origin distributed and functions. Types of automatic receptors and the receptors pharmacology, adrenergic fibers and receptor, distribution and catecholamines, sympathomimetics and sympatholytics. Cholinergic fibers and receptors acetylcholine, sites cholinergic blockers, ganglionic blockers muscarinic and nicotinic receptors. Atropine, parasympathomimetics and parasympatholytics.

### **MCB 2302: MEDICAL MICROBIOLOGY AND PARASITOLOGY**

The course covers the study of the characteristics and classification of micro organism. It enables the student identify ineffective agents that causes diseases in man and to apply the knowledge of diseases processes in terms of personal and communal health. Introduction to micro-biology, characterization and classification of bacteria, morphology, physiology, reproduction and metabolism of bacteria, host-parasite-relationship, infection, pathogenicity and virulence, exo and endo toxins, susceptibility and resistance to infection, natural resistance, phagocytosis, antibodies, natural and acquired immunity. Immunization-active and passive, anaphylaxis, hypersensitivity and allergy. It also looks into control of micro-organisms by sterilization, disinfections, chemotherapeutic agents and antibiotics.

### **CSC 2202: APPLICATION OF COMPUTER**

The course involves teaching and practical on the application of computer, computer programmes, uses of computer, computer application in research, storage and retrieval of data, computer program for data presentation. It also discusses types of computer, hard ware and software operation of computer with practical involving the usage of basic computer programme.

### **BCH 2214: GENERAL BIOCHEMISTRY II**

A continuation of BCH 2211 (general biochemistry I) covering the aspect of Bioenergetics, introduction to enzymes, metabolism of carbohydrates, lipids, proteins, and nucleic acids, protein biosynthesis.

### **BCH 2202 BIOCHEMISTRY PRACTICAL II**

A Practical in biochemistry demonstrating the topics covered in BCH 2214.

### **GSP 2204-NIGERIAN GOVERNMENT AND ECONOMY.**

A general course looking into problems and challenges of nationhood and development in a changing world, government and stability, religion tension-causes and solution, military government in Nigeria and African, budget and development planning, developmental goals for Nigerian, strategic foreign policy issues, mobilization for national development, economic potential of Nigeria mineral resources in Nigeria.

### **GSP 2205-LOGIC AND PHILOSOPHY**

Looks into the basic concepts and terms in peace studies and conflict resolution, analyzing the dynamic role and resolution of conflict in African societies. It discusses conflict management, alternative dispute resolution spectrum, per scoping conflict and role of NGO in conflict resolution, achieving peace and resolution in the African way and the role of human and youth in peace building, peace keeping operations in the African sub-regions. An overview of the role of AU in regional and international peace and conflict resolution, conflict in society, consequences and strategies for conflict management and peace report in Africa with the role of the media, media extract an appraisal and evaluation of peace and conflict resolution effort in Africa, conflict and conflict resolution in Nigeria proposing the cultural relativistic approach, unity development and corporation as analytical tools for peace and conflict resolution.

### **CLINICAL POSTING EXPERIENCE**

Medical ward- 2wks

Surgical wards- 2wks

Paediatrics ward-1wk

The clinical posting/practical experience would expose the students to five weeks of concentrated experience in male and female medical and surgical wards during the long vacation of 200 level.

### **5.3.0: 300 LEVEL COURSES**

#### **5.3.1: FIRST SEMESTER**

#### **NUR 3201 MEDICAL- SURGICAL NURSING 1**

The course designed to expand the knowledge based on disease processes as they affect the systems of the body. Concept of circular growth and proliferation, medical care and scientific nursing management of client with specific acute and chronic diseases, Dynamics of fluid and electrolyte balance, Concept of metabolism, disturbances of ingestion, digestion and elimination, hepatic, functioning, glucose metabolism and hormonal disturbances, Concept of oxygenation and hormonal disturbances of oxygen carrying mechanism, blood pumping mechanism and vessel disruptions,

Concept of perception and coordination, Vascular and inflammatory disturbances, Nurses role in the operating theater, intensive care unit, ward and clinic situation.

It also looks into Parasitic and Protozoan Infections, concept of Pathogenicity and Virulence of parasites and their Life cycle, Vector, host, incubation period and Herd Immunity, soil Transmitted Helminths such as round worm, hookworm and trichuris, common helminthic Infections including Ascariasis, Ancylostomiasis, Trichuriasis, Enterobius vermicularis, Strongyloidiasis, Taeniasis, Schistosomiasis and Bilharziasis, common protozoan infections including Bancroftian filariasis, Loasis, Onchocerciasis, Amoebiasis, Trypanosomiasis and Leishmaniasis.

It also discusses the concept of immunity and immune system of the body, Infection, Infection cycle, infection control, common infectious diseases in the tropics including Malaria, Cholera, Typhoid fever, Yellow fever, Lassa fever, dengue fever, Ebola Virus disease, HIV/AIDS, Monkey Pox disease and Zika viral disease and the role of the Nurse in emergency and disaster management.

### **NUR 3207: MEDICAL- SURGICAL NURSING PRACTICE 1**

It gives students the opportunity to apply theory learnt in NUR 3201 into practice in medical and surgical wards.

### **NUR 3205: COMMUNITY HEALTH NURSING I**

An introduction to community health nursing discussing concepts in community health, community health nursing process (Community Assessment, diagnosis, outcome identification planning intervention, evaluation) conducting community entry, boundary orientation, asset inventory, mapping, focus group discussion and interviews), family and health, family and community Development and family nursing process.

It also looks into Gender based violence, substance abuse, violence and human abuse, street hawking, street begging, the almajiri syndrome and the Handicap. It also gives an overview on organization and coordination of community health services (process of community Health program), diagnostic services in the community, nursing theories relevant to community health nursing, organizations and sponsorship in community Health program and National and International Health Agencies eg WHO, UNICEF, UNESCO, UNDP, USAID, NPHCDA, DFID, etc

### **\*NUR 3211: PSYCHOLOGY APPLIED TO NURSING**

### **NUR 3103: MEDICAL SOCIOLOGY**

This course is designed to build upon the content covered in SOC 2203. It considers the sociological perspectives of society, social institutions and complex organizations. It emphasizes the role of man as a functioning member of society, Social interaction, social relations as basis for the development of social life. The role of culture, beliefs and taboos. traditional society, modernization and urbanization, social institutions, complex social organization, social problems and social welfare services.

### **NUR 3209: PRINCIPLES AND METHODS OF EPIDEMIOLOGY**

The course introduces the students to the principles and methods of epidemiology as they apply to the study of communicable disease, and non-communicable diseases. It covers the definition, history, Uses of Epidemiology, Epidemiological Theories, basic Measurement in Epidemiology/Vital statistics

(such as crude rates, specific rates, incidence rate, prevalence rates, measures of mortality, measures of fertility) measures of Morbidity, epidemiology of communicable diseases ( Definition, Agents Causing diseases, Infectious agents, Concepts of communicable disease and General methods of control)

.It also looks into epidemiological studies, Control and nursing care of communicable and non-communicable diseases, Common indices of community health. Community surveys, screening and health appraisal. Strategies of epidemiology, Chain of epidemiology, Disease causation, Factors precipitating causation, Interrelated factors (Ecological model, web of causation, wheel model) and Levels of prevention, Public health surveillance and disease notification

### **ANA 3212: GROSS ANATOMY (HEAD AND NECK)**

This portion covers regional Gross Anatomy, (Head and Neck and Neuro anatomy). The practical period shall involve continuation of demonstration of gross anatomy, bones.

### **ANA 3213: NEUROANATOMY AND SPECIAL SENSES**

This specializes on the neurological aspect of the human body dealing with organs of special senses and neurotransmission.

### **PYS 3229: SYSTEMIC PHYSIOLOGY**

Introduction, general functions of respiratory passage, factors protecting respiratory alveoli. I.P.P. its significant, surfactant, respiratory work., lung volumes and capacities, vital capacities its significant, Dead space, Neural regulation of respiration, peripheral, central and chemical regulation of respiration, centres of respiration in medulla oblongata, hypoxia, cyanosis, effect of high attitude on respiration. Role of respiratory system in maintaining Acid-Base Balance, effect of exercise on respiration, effect of diving on blood gases. Female genital system structure, structure of ovary, graafian follicle, structure of uterus fallopian tubes, mechanism of female puberty, ovarian cycle, oogenesis, menstrual cycle, vaginal cycle, ovulation, female contraception hormones, control of pregnancy, factor maintaining pregnancy, formation of placenta, functions and hormones of placenta, delivery, mechanism and hormonal control, hormones acting on female breast, mechanism of lactation, prolactin hormone abnormalities of lactation. It also discusses the male genital organ, structure of testis, spermatogenesis, hormonal control and temperature, function of testosterone hormone, mechanism of male puberty sperm and sperm count.

Functional organization system of the CVS, cardiac properties, Cardiac cycle, study of cardiac cycle, ECG, pulse, heart sound, jugular venous pulse, innervations of the heart, heart rate and its regulation, cardiac output and factors affecting it, types of blood vessels, and peripheral resistance. It discusses arterial blood pressure, types, factors affecting, maintaining and regulating it. Types of shock, Effect of haemorrhage, edema, types and causes. Pulmonary circulations, Coronary circulation, environmental effect on CVS, exercise, flight high attitudes, Heart failure, myocardial infarction

Introduction, General functions of the kidney, structure of kidney, nephron structure. Mechanism of urine formation, GFR, tubular absorption and tubular secretion. Blood flow to kidney auto regulation of blood flow, Juxtaglomerular apparatus, and determination of renal blood flow. Clearance, inulin and para amino hippuric acid clearance, glomerular filtration rate, factors affecting it. Proximal convoluted tubules, loop of henle, distal convoluted tubule. Differences between cortical and

medullary nephron, vasa recta, tubular transport in glucose maximal. Role of urea and other electrolytes concentrate urine, concentration of urine and renal regulation of body water (osmolarity) and chabedes inspidus.. Renal regulation of blood (ECF) volume, micturation reflexes innervation of urinary bladder. Role of kidney in acid base balance. Basis of dialysis, diuretics.

### **PCL 3201: PHARMACODYNAMICS AND CHEMOTHERAPY**

The course is designed to enable the student acquire knowledge of the derivation, actions and functions of drugs on the system of the body. Disorder, problems of drug therapy and the contribution of traditional chemotherapeutic measures the health maintenance. Drug derivation and standardization ,classification of drugs, dosage ,administration and body's reaction to drug therapy, principles of therapy ,prophylaxis and control of bacteria, parasitic and viral infections ,chemotherapy for parasitic infections. Therapeutic drugs and their actions on sales, diet therapy, toxicology and drug abuse .Nurse's role in drug therapy.

### **PAT 3301-GENERAL CELL PATHOLOGY AND CYTOLOGY**

The course covers general mechanism, the pathogenesis of disease and the dynamic nature of disease as it evolves from its initial stage to full expression. The effect of disease on organs and distant part of the body are discussed, Pathology and the nature of diseases, chemistry of cell damage and the dying cell, Inflammation and infection, inflammatory response and medical mediators, Immunity and cellular immune response, Principles of repair and re-organization of cell structure.

### **5.3.2: SECOND SEMESTER**

#### **NUR3302: MEDICAL - SURGICAL NURSING II**

The course is designed to enable the students acquire in-depth knowledge of medical/surgical problems and to identify their roles as professional nurses in the care of adults and children with medico-surgical problems in the primary ,secondary and tertiary settings of health care.

#### **NUR 3106- MEDICAL-SURGICAL NURSING PRACTICUM II**

Experience is provided in the care of selected individuals and families to facilitate the transfer of theory to nursing practice situation. Theoretical models of care are emphasized. Systems such as cardiovascular, respiratory, integumentary, GIT and reproductive will be discussed.

It gives students the opportunity to apply theory learnt into practice

#### **NUR 3208: COMMUNITY HEALTH NURSING II**

The course utilizes the social system theory in the provision of community health care .Application of principle of epidemiology is emphasis in the maintenance of optimum wellness. The social system theory analysis of the family and significant others . Assessment of the community environment and community health services. Philosophy, components and principle of primary health care settings. Development or physical assessment skills, assessment skills of the family, the interrelationship of social and physical environment on health. For Public Health Nursing exam. (Public health, Primary health care. School health service) Organization and coordination of community health services.

#### **NUR 3310: MATERNAL AND CHILD HEALTH NURSING AND FAMILY PLANNING I**

The course deals with the health of the family during its child bearing and the child rearing years, emphasizing the needs of mother and the new born during the maternal circle, the role of the nurse in

the family planning and genetic counseling .History of maternal and child health nursing, national and international. It discusses the anatomy and physiology of reproductive system, pregnancy, abnormalities of pregnancy, normal labour, abnormal labour.

#### **NUR 3212: MATERNAL AND CHILD HEALTH PRACTICE I**

It gives students the opportunity to apply theory of NUR 3310 (Maternal and Child Health Nursing And Family Planning 1) to practice

#### **NUR 3216: NUTRITION AND DIETETICS IN HEALTH AND ILLNESS**

The course discusses the historical perspective of nutrition as a science, The nutritional values of food and its effects on health are emphasized, food purchasing, presentation preparation and diet therapy are studied to enable the student provide well balance diets to clients and patients. Classifications of food and their nutrients, Relationship of digestion and absorption of foods, Selection and formulation of balanced and weaning diets, Use of food composition tables, Nutrition requirement and recommended daily caloric requirements, Food in relation to life cycle, Dietetics and diet in illness, therapeutic diet, special diet and malnutrition.

#### **NUR 3212: NURSING ETHICS AND PHILOSOPHY**

This course draws attention to some basic principles and issues of ethics with special attention paid to concepts like health and illness issues. E.g Abortion, euthanasia, life destruction. It also focuses on definition of philosophy, difference between philosophy , psychology, sociology and anthropology. History and concept of philosophy. Philosophy related to different disciplines and philosophy and law.

#### **NUR 3214: FUNDAMENTALS OF HUMAN BEHAVIOUR.**

This course is designed to help students acquire knowledge of psycho- social determinants of human behavior, personality development and impact maturation level in illness. It examines the role of guidance and counseling in addressing deviation from normal behavior.

#### **NUR 3218: ENVIRONMENTAL HEALTH**

Introduction to man and his environment, Effects of environmental factors on man such as water, air, noise, biological, socio-cultural and socio economic situation on the health of the community. 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 law. Health agencies and their aims and objectives. Concept of international health, concept of part of health services. Industrial/ occupational health. Disasters in the community and control/treatment.

#### **PCL 3202: SYSTEMIC PHARMACOLOGY**

Pharmacology provides the students with information on the mechanism of drug action as it relates to specific organs and diseases, drugs pertaining to the following modules, namely; neuro-science, immunology, microbiology and oncology are covered and tested under this module.

#### **\*EEP3201: ENTREPRENEURSHIP AND INNOVATION**



This course is taken by the center for general and entrepreneurship studies. It exposes students to innovation and entrepreneurship activities.

#### **CONCENTRATED CLINICAL POSTING/PRACTICAL.**

There would be a concentrated clinical/practical experience in:

Male or Female medical and surgical ward Four (4) weeks

special clinical posting two (2) weeks

community posting for a period of 3-weeks.

#### **5.4.0: 400 LEVEL COURSES**

##### **5.4.1. FIRST SEMESTER**

#### **NUR 4301 –ADVANCED MEDICAL- SURGICAL NURSING**

This course focuses on special areas in medical-surgical nursing such as ophthalmic (eye), ear, nose, and throat (ENT) conditions, Nervous system disorders and Renal system disorders. It also discusses medical- surgical problems requiring special nursing care and management such as kidney dialysis, pace maker, patient with under seal water drainage, organ transplant, CT scan, ultra sound, EEC, ECG, etc.

#### **NUR 4213: ADVANCED MEDICAL- SURGICAL NURSING PRACTICE I**

It gives students the opportunity to apply theory to practice.

#### **NUR 4203: MATERNAL AND CHILD HEALTH NURSING AND FAMILY PLANNING II**

It is a continuation of NUR 3310. The course discusses in depth puerperium, the new born baby, pharmacology and child birth, complimentary therapies in midwifery. It is designed to enable the student transfer the theoretical knowledge of maternal and child nursing growth and development, child health and genetics to practice settings. Family care studies are essentials. Domicilliary midwifery N.P.I & O.R.T.

#### **NUR 4215: MATERNAL AND CHILD HEALTH NURSING AND FAMILY PLANNING PRACTICE II**

An avenue to practice theory learnt in NUR 4403.

#### **NUR 4205: MANAGEMENT OF NURSING CARE SERVICES.**

The course is designed to introduce the student to the philosophy, theory, principles and techniques of management of nursing care and 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 practices, 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 4309: RESEARCH METHODOLOGY I**

The course is designed to create awareness of the need for research as a means for improving nursing care. The students are assisted to acquire the basic skills and knowledge required of a researcher and to conduct simple studies in her clinical areas of practice, 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, interaction 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 4211: CURRICULUM DEVELOPMENT AND TEACHING METHODOLOGY**

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

### **NUR 4205: MENTAL HEALTH AND PSYCHIATRIC NURSING I**

An introduction to Mental Health and Psychiatric Nursing, mental Health and Mental Illness Concepts, characteristics of Mental Health, factors Affecting Mental Health, methods of Assessment in Psychiatry, healthy Mental Health Environment, Classification of Mental Disorders, Causes of Mental Illness, General signs and Symptoms of Psychiatric Disorders, Methods of Assessment in Psychiatry, Sources of Mental Health Problems in the Youths, Coping Devices and Defence Mechanisms, Current Issues and Trends of Care in Mental Health, Stress and Mental Health, Personality Disorders and Psychiatric Emergencies.

### **\*EEP 4201 Venture Creation and Growth**

#### **5.4.2: SECOND SEMESTER**

### **NUR 4302: ADVANCED MEDICAL- SURGICAL NURSING.**

This course is the continuation of NUR4501. It also explains the problems of mobility and problems associated with regulation and co-ordination of body mechanisms. It also discusses the role of nurses in the prevention and treatment of endocrine disorders, muscle-skeletal disorders, Breast disorders and the review of diagnostic procedures.

### **NUR 4218: ADVANCED MEDICAL- SURGICAL NURSING PRACTICE II.**

It gives students the opportunity to apply theory to practice.

### **NUR4206: MATERNAL AND CHILD HEALTH NURSINGAND FAMILY PLANNING III**

This is the continuation of NUR 4403 discussing Menstrual disorders/irregularities (dysmenorrhoea, amenorrhoea, menorrhagia, polymenorrhoea, endometriosis, metrorrhagia, premenstrual syndrome), Infertility, Uterine fibroids, Pelvic inflammatory disease, Cervical cancer and family planning

It also looks into safe motherhood and its components, HIV in pregnancy and PMTCT, Exclusive breastfeeding and advantages, Kangaroo mother care (KMC), Emergency obstetric and neonatal care and Integrated management of childhood illness (IMCI), Family care studies, Ovarian disorders, Post abortion care, Immunization, Weaning and Oral Rehydration Therapy.

## **NUR 4220 : MATERNAL AND CHILD HEALTH NURSING AND FAMILY PLANNING PRACTICE III**

This is a practical application of aspects of NUR 4306

## **NUR 4210-TEACHING AND MANAGEMENT PRACTICE**

The course enables the student to utilize the principles and techniques of teaching and management in health care settings. Opportunity is given for health education at the primary, secondary and tertiary levels of health care. Students are posted to school of Nursing and Midwifery for teaching practice for a period of four (4) weeks, supervision and examination is done while the student teach in class.

## **NUR 4314: RESEARCH PROCESS II**

This course deals with scientific methodology of research and its implication to midwifery practice. Emphasis will be placed on theory and methods of research and critical evaluation of research reports. Students are required to present a research project in Midwifery. They are also exposed to the preparation of Budget for research project.

## **LAW 4201: MEDICAL JURISPRUDENCE**

This course introduces the students to law in general, importance of law to nurse and the Nigeria legal system. It also exposes nurses to legal regulations of the nursing profession in Nigeria, The law of torts-introduction, Negligence, Vicarious liability and occupiers liability/hospitality. It also involves medico-legal problems in a changing society

## **NUR 4216 PRINCIPLES OF EDUCATION**

This course is designed to introduce the student to the principle of education and educational methodology. It stresses the role of the student as a teacher and health educator .Principles of education of learning/learning philosophy and objectives of education in Nigeria, Relationship of the National policy and philosophy of education to the education of nurse qualities of a teacher, Teacher/learner interaction, the learning environment, the learner deduction and induction reasoning concepts of motivation, Development of instruction objectives, Development of course content, Methods of evaluation.

## **NUR 4208: MENTAL HEALTH AND PSYCHIATRIC NURSING II**

This looks into mental and psychiatric disorders including Schizophrenia, Mood Disorder, Psychoneuroses, Organic Mental Disorders, Epilepsy, Substance Abuse, and Alcoholism. It also discusses crisis Intervention, Community Mental Health Nursing, Legal Aspects of Mental Health Nursing, Psychiatric Disorders of Childhood like :

- Developmental disorders.
- Mental retardation
- Pervasive developmental disorders
- Disruptive behavior disorders e.g Attention Deficit hyperkinetic disorders (ADHD )
- Oppositional defiant & Conduct disorders
- Disorders of mood and anxiety e.g anxiety disorder, separation anxiety disorders, Tic disorders,
- Tourette's disorders, childhood Schizophrenia & elimination disorders'
- Eating disorders e.g Anorexia nervosa and bulimia nervosa

## **5.5.0: 500 LEVEL COURSES**

### **5.5.1: FIRST SEMESTER**

#### **NUR 5301: ADVANCED COMMUNITY HEALTH NURSING**

This course provides opportunity for the student to acquire knowledge, skills and attitude adequate for work efficiently in primary health care settings to meet the health needs of the individuals, families and communities. It involves the utilization of P.H.C strategies to manage health care, Introduction, philosophy, concepts and principles of PHC. The community, information, education and communication .Clinical skills in primary health care. For PHN Exam (health education Principles of mgt.) It emphasizes the nature of the community, the role of the community health nurse, family patterns, socio cultural, economic factors and belief that affect the health practices of the community.

#### **NUR 5217: ADVANCED COMMUNITY HEALTH PRACTICE 1**

Students are exposed to community and domiciliary nursing. They are exposed to basic practical concepts of community health nursing. They are posted to communities where the practice the concept of Community assessment, community diagnosis, community outcome identification and planning, community intervention and evaluation.

#### **NUR 5301- ADVANCED MATERNAL AND CHILD HEALTH NURSING**

This discusses abnormalities in pregnancy and childbirth including , placenta previa, placenta abruption, Postpartum hemorrhage, Prolong labour, Pregnancy induced hypertension, Puerperal psychosis, Eclampsia, Tubal pregnancy, multiple pregnancy, Malpresentations and malpositions Bleeding in pregnancy, Hyperemesis gravidarum, Medical conditions that complicate pregnancy e.g. diabetes, malaria and peptic ulcer disease e.t.c. and breast conditions such as flat nipples, inverted nipples etc. it also looks into Problem solving skills, Harmful traditional practices, community occurring diseases at 0-5years e.g. malaria, malnutrition, tetanus, pneumonia, measles, Immunization and Oral rehydration therapy

#### **NUR 5219 ADVANCED MATERNAL AND CHILD HEALTH NURSING PRACTICE**

This is the practical application of NUR 5301. They are exposed to the objective structured clinical examination (OSCE) relating to MCH nursing. The OSCE comprise of at least 12 stations (6 practical and 6 question stations).

#### **NUR5305- SEMINAR IN NURSING (Special Topics)**

The course is designed to equip students with the techniques of development, presentation and discussion of ideas, topics and pertinent issues in nursing.

The seminar sessions are expected to guide students to:-

- a) Plan, compose and present seminar papers on relevant topics.
- b) Plan and organize seminar and workshops.
- c) Participate actively as discussants, secretaries, rappateurs, and chairman at seminars/workshops.
- d) Evaluate the achievement of workshops/seminars.

### **NUR 5209-NURSING INFORMATITICS.**

The course provides sound health information as an essential foundation for public health, the development of health information processing in health care, the hierarchy of data; information, knowledge and its significance in health care. Telemetric in health care. Health information in practice, remote health care and clinical systems.

### **ELECTIVE COURSES**

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

### **NUR 5311-PAEDIATRIC NURSING**

An Introduction to child health care, causes of childhood illnesses and prevention, high risk neonate such as low birth weight, hypothermia, neonatal septicemia, cyanosed newborn, apnea, Jaundice in newborn, Infants of diabetic mother.

It also looks into congenital disorders of the heart, Gastrointestinal malformations, Genitourinary malformations, Birth injuries, Hematological disorders and Malformations of the nervous system:

### **NUR 5313-PERI-OPERATIVE NURSING.**

The course focuses on the needs of clients who require surgical care for the treatment of their ailments. Students will be expected to develop and acquire knowledge and skill in pre and post operative periods of client care.

### **NUR 5315-ORTHO –RHINO –LARIGNOLOGICAL NURSING.**

This course is aimed at preparing students for developing in-dept knowledge and skill in caring for those who have alterations in the functions of their ears, noses and throat. It will include adequate knowledge of anatomy and physiology of these organs. Students are to develop further knowledge and skill in utilizing the nursing process in the care.

### **NUR 5317-OCCUPATIONAL HEALTH NURSING**

This course explains the various types of health problems as it relates to different occupation and their management. It also exposes students to various types of clinical/ hospital settings available in the private sector.

### **NUR 5319-ANAESTHETIC NURSING**

This course is designed to expose students to principles and uses of anaesthesia. It will also help them develop knowledge and skill in administering various anaesthetic agents. Types, sites, duration and complications of these agents will be examined. Students will build on the knowledge and skills to assist clients who require anaesthesia.

### **5.5.2: SECOND SEMESTER**

#### **NUR 5302-ADVANCED COMMUNITY HEALTH NURSING II**

The course provides the opportunity for the students to demonstrate understanding of the components of PHC, to provide Promotive, preventive, curative, and rehabilitation services in the community.

To utilize relevant information on the way referral system for effective continuity of client care, to demonstrate skill in intersectional and inter-disciplinary collaboration in the provision of health care, training and management PHC.

#### **NUR 5222-ADVANCED COMMUNITY HEALTH NURSING PRACTICE II**

Students are posted to community based health care facilities where basic preventive and therapeutic management of patients with specific disease conditions. This include specialized health facilities that provide specialized services like immunization, management of patients with HIV, Tuberculosis.

#### **NUR 5306- ADVANCED MENTAL HEALTH AND PSYCHIATRIC NURSING**

This course deals with preventive mental health. (Primary, Secondary and Tertiary) involves the knowledge of the roles of traditional healers in the society and the effect of rural urban migration on mental health. The course also deals with the topology of crises, crisis prevention and planning of community mental health programme. It examines the professional nurses role in mental health, various therapeutic needs of the psychiatric patients and other aspects of psychiatric nursing.

#### **NUR 5206 SEMINAR IN NURSING**

This course is involves examination of special topics that are of interest to them and make either individual or group presentation, It is expected to help students develop skills for case presentation.

#### **NUR 5208--HEALTH ECONOMICS**

Issues in health financing are explored .Annual budget, allocation of funds, health insurance and decision making in budgetary process .Quality control ,financial/management audit, evaluation process in management, hospital economy ,management of material and financial resources.

#### **NUR 5602-RESEARCH PROJECT**

Students are required to present a research project in their area of interest for the award of the BNSc degree of Bayero University.

### **ELECTIVE COURSES**

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

### **NUR 5312-OPHTHALMIC NURSING:**

This course deals with anatomy and physiology of the eye, common ailment related to each component of the eye, the effect of the agent on the eye and further knowledge and skills in the care of client with eye problem. The role of the nurse in the prevention and treatment of eye problem is also discussed .

### **NUR5314-INTENSIVE NURSING CARE**

This course is designed to exposed the students to knowledge and skills necessary in the care of clients who are critically ill. It include the need for and principle of cardio-pulmonary resuscitation. Airway maintenance and cardiac monitoring also included will be various diagnostic tests needed for monitoring the critically ill clients.

### **NUR5316 –ORTHOPAEDIC NURSING.**

This course exposes students to orthopaedic which include prevention and correction of alteration in the musculo-skeletal system. Nursing action in the areas of prevention restoration and rehabilitation shall be revealead.

### **NUR 5318-DERMATOLOGICAL NURSING**

The course deals with the natural property of skin, abnormal state of skin. Dangers of abnormalities and the role of the nurse in the prevention, treatment of such abnormalities .

### **NUR 5320-RADIOLOGY/RADIOTHERAPHY**

In this course, students learn the health problems associated with radio-activity and the role of the nurse in these circumstances. Basic principles and guidelines on O & G and Abdominal ultrasonography, various X-Rays, MRI, CT scan, HSG and interventional procedures, Nurses roles and images interpretations in these mentioned procedures are emphasized with practical sessions.

### **SECTION 6: ACADEMIC STNADARD**

#### **6.1 ACADEMIC WRITING GUIDE**

All students of the department shall maintain the highest academic integrity when writing projects, reports, essays, terms papers, assignments, and any other work required for the degree programme.

Such standards include, but are not limited to, the following:

- i) A student shall not submit the work of others as his/her own work.
- ii) A student shall not submit any work submitted earlier for another purpose (either by him/herself or by others; either at the University or somewhere else) in order to satisfy the requirement for a course or programme.
- iii) A student must cite appropriate sources of his/her ideas, facts, etc. In particular, the following require citation by a student:
  - (a) Direct and indirect quotations, as well as paraphrasing and summaries.

- (b) Opinions, theories, principles, ideas, critical methods, and so on that were formulated by someone else.
- (c) Data and evidence that are not collected by the student as primary data.
- (d) Figures, graphs, tables, charts, photographs, drawings, illustrations, etc not created by the student.
- (e) Research sources that were gathered by someone else.
- (f) Ideas, materials, information and so on collected from online sources.
- iv) A student shall not plagiarise any works by others, be they in books, journals, over the World Wide Web, and so on. As a general rule direct use of three or more words from someone else must be enclosed in quotation marks (“ ”) with the source appropriately indicated.
- v) A student shall not fabricate, nor misrepresent data, results of experiments or analysis, sources of information, and so on.
- vi) Student(s) shall not sabotage the work of others. Examples include deliberate destruction, damaging or stealing of another student’s project.
- vii) Although, some forms of discussions and exchange of ideas may be in order, students shall not collaborate in any work meant to be done individually.

**SECTION 7: GENERAL GUIDE FOR WRITING BNSc RESEARCH PROJECTS**

- Research title should comprise of not more than 22 words
- All chapters/sectional headings should be capitalized, while sub-headings should be written in lower case and bolded, but the first letter and all proper nouns should be in capital letter.
- All writings should be in font size 12, double line spacing, and times new remain should be used as font style.
- All materials used for the study must be duly acknowledged, using American psychological Association (APA) style of in-text citation and referencing.
- All items on cover page & title page should be written in capital letters.
- Completed research work should be spiral bonded for proposal and internal defense, while that of external defense should be hard cover bonded in navy blue colour for B.NSc projects and dark green for Nursing council projects.
- The cover page should consist of;
  - The University logo at the central top area of the cover page (only for B.NSc. projects)
  - Title of research project
  - Name and registration number of student
  - Date of graduation
- The spine should comprise of the student’s name, title of degree (B.NSc) and date.
- Obsolete materials should not be used except in case of definition and theories. Therefore Journal articles should not be more than 5 years while text books, should not be more than 10 yrs.
- All pages of the main work should be numbered using Arabic numerals (1, 2, 3,... ) at the bottom central part of each page.

**PRELIMINARY PAGES**



All preliminary pages should be numbered using roman numerals in lower case (i, ii, iii.), and the should comprise of the following;

- i. **TITLE PAGE**, which should comprise of;
  - Title of research project,
  - The name and registration number of the student,
  - Department and faculty of submission and the degree to be awarded. This should be in capital letters and should be written as thus

**BEING A PROJECT SUBMITTED TO THE DEPARTMENT OF NURSING  
SCIENCE, FACULTY OF ALLIED HEALTH SCIENCES, BAYERO UNIVERSITY  
KANO. IN PARTIAL FULFILLMENT FOR THE AWARD OF BACHELOR OF  
NURSING SCIENCES (BNSC) DEGREE**

- Date of graduation
- ii. **CERTIFICATION**- student should certify their work as thus;  
This is to certify that this project conducted by **xx name of student xx** was duly supervised by **xx name of supervisor xx** and it is approved in accordance with the requirements for the award of Bachelor of Nursing Science (B.NSc.) degree in the Department of Nursing Sciences, Bayero University Kano.

_____ <b>SUPERVISOR</b> NAME	_____ <b>DATE</b>
_____ <b>HEAD OF DEPARTMENT</b> NAME	_____ <b>DATE</b>
_____ <b>EXTERNAL EXAMINER</b> NAME	_____ <b>DATE</b>

**iii. DECLARATION**

The declaration should be stated thus;

I hereby declare that this project was carried out by me and has not been published or presented elsewhere for the award of any degree. All materials used for this work has been duly acknowledged.

-----  
Student Signature

**iv. DEDICATION**

**v. ACKNOWLEDGEMENT**

**Vi to vx TABLE OF CONTENTS, LISTS OF TABLES AND LIST OF FIGURES**

- x. **ABSTRACT:** This should be in a single paragraph comprising of a brief background, aim, methodology, results conclusion and recommendation.

**MAIN BODY OF THE PROJECT**

**CHAPTER ONE**

- 1.0 Background of study

- 1.1 Statement of problem
- 1.2 Aim of study and specific objectives
- 1.3 Research questions
- 1.4 Significance of study
- 1.5 Delimitation
- 1.6 Limitations of the study (where applicable)
- 1.7 Operational definition of terms

**CHAPTER TWO  
LITERATURE REVIEW**

- 2.0 Introduction
- 2.1 to 2.x Subheadings of reviewed literatures based on study objectives
- 2.y Theoretical framework/conceptual framework
- 2.z Research Hypothesis

**CHAPTER THREE  
RESEARCH METHODOLOGY**

- 3.0 Introduction
- 3.1 Research Design
- 3.2 Study setting
- 3.3 Target population
- 3.4 Sample size
- 3.5 Sampling technique
- 3.6 Research Instrument
- 3.7 Validity and Reliability of Research instrument
- 3.8 Method of data collection
- 3.9 Data analysis
- 3.10 Ethical Consideration

**CHAPTER FOUR  
RESULT AND ANALYSIS**

- 4.0 Introduction
- 4.1 to 4x – (Descriptive and inferential analysis of study findings presented in relevant tables and charts)
- 4 y - Hypothesis Testing

**CHAPTER FIVE  
DISCUSSION SUMMARY AND CONCLUSION**

- 5.0 Discussion
- 5.1 Summary
- 5.2 Conclusion
- 5.3 Recommendations - This should be in statement form not bullet points
- 5.4 Implication to Nursing - This include implication to nursing practice, nursing research and education.

**REFERENCES:** Should be written in APA format. (All in- text citations should be referenced.

**Appendix I** - Research instrument (s)

**Appendix II** - Ethical approval/permission/Clearance

**Appendix III – Consent/ assent form (where applicable)**