

**OBAFEMI AWOLOWO UNIVERSITY
ILE-IFE, NIGERIA.**



COLLEGE OF HEALTH SCIENCES

**FACULTY OF BASIC MEDICAL
SCIENCES**

**HANDBOOK
2019-2024**

1. Members of Staff	Post
Officers of the College and the Faculty	
K. T. Ijadunola M.B.Ch.B., MSc., FWACP	Professor and Provost
A.O. Oginni B.Ch.D., FMCDS.	Professor & Deputy Provost
Office of the Dean	
A.R. Adedoyin BMR (PT) (Ife), M.Sc. (PT) (Ife), Ph.D. (Ife)	Professor and Dean
D.O. Adeyemi B.Sc. (Hons) (Ilorin), M.Sc. Ph.D. (Ife)	Senior Lecturer & Vice-Dean
J.A. Ayeni (Mr.) B.A., MPA., MNIM	Faculty Secretary
A.A. Omogbehin (Mr.) B.Sc., EDP	Senior Assistant Registrar
M.S. Esan (Mrs.) WASC, Cert. in CS III 120wpm, EDP	Chief Confidential Secretary
H.T. Anidi (Mrs.) WASC, Dip. & Adv. Business Mgt. –	Higher Executive Officer
F.B. Adedire (Mrs.) WASC, RSA I & II, EDP, OND	Chief Secretarial Assistant
O.F. Oladosu (Mrs.) NECO GCE, OND, HND	Chief Secretarial Assistant
E.M. Kolawole (Mrs.) Mordern Sch. Cert. WASC, NECO	Chief Clerical Officer
O.R. Oyeyemi (Mr.) WASC, GCE, Dip in Bus. Admin	Chief Clerical Officer
A. Omiata (Mr.) Pry six cert.	Chief Office Assistant

Department of Anatomy & Cell Biology

O. S. Adewole, MBBS (Ilorin), M.Sc. Anatomy (Ife), Ph.D. Anatomy (Ife)	Professor & Head
P. U. Nwoha, B.Sc. (Ibadan), M.Sc. Human Biology (Ife), Ph.D. Vet. Anatomy (Ibadan)	Professor
A. A. Abiodun, MB.ChB (Ago Iwoye), M.Sc. Anatomy (Lagos) FMCS Ortho	Senior Lecturer
D. O. Adeyemi, B.Sc. (Hons) Anatomy (Ilorin), M.Sc. Anatomy (Ife), Ph.D. Anatomy (Ife)	Senior Lecturer
D. A. Ofusori, B.Sc. (Hons) Anatomy (Ilorin), M.Sc. Anatomy (Ife), Ph.D. Anatomy (Ife)	Senior Lecturer
O. A. Ayannuga, MB.ChB (Ago Iwoye), M.Sc. Anatomy (Ibadan) Ph.D. Anatomy (Ibadan)	Senior Lecturer
O. A. Komolafe, B.Sc.(Ed.) (Hons) Biology (Ondo), M.Sc. Anatomy (Ife), Ph.D. Anatomy (Ife)	Senior Lecturer
S. O. A. Odukoya, B.Sc. (Hons) Anatomy (Ilorin), M.Sc. Anatomy (Ife), Ph.D. Anatomy (Ife)	Senior Lecturer
B. E. Arayombo, BMLS (Ekpoma), MB.ChB (Ife), M.Sc. Anatomy (Ife)	Senior Lecturer

A. O. Tanimowo, B.Sc. Health Sci., MB.ChB (Ife)	Lecturer II
S. K. Ojo, MB.ChB (Ife)	Lecturer II
J. A. Ibeh (Mr.) Final Dip. NIST Part II (City & Guild London) HND (Ife)	Chief Technologist
M. O. Adebayo (Mr.) Intern. Dip. in Sci. Lab. Tech. NIST Part II (City & Guild London) DHC, EDP	Chief Technologist
M. Ige (Mr.) ALMLS, BMLS (EBSU)	Technologist II
E. T. Omidirepo (Mr.) WAEC, NECO	Senior Secretariat Assistnt
C. C. Keke (Mrs.) WAEC	Chief Clerical Officer
A. N. Obi (Mr.) GCE	Head Mortuary Attendant
M. O. Onifade (Mr.) GCE	Head Mortuary Attendant
O. A. Fajinmi (Mr.) SSCE	Head Mortuary Attendant
J. A. Oluwole (Mr.) GCE	Senior Mortuary Attendant I
A. G. Adeosun (Mr.) GCE	Senior Mortuary Attendant II

Department of Chemical Pathology

T. A. Adedeji,

MB.BS., MPH. FMC(Path)

Senior Lecturer & Ag.
Head

O. A. Ajose,

MBBS, M.Sc. (Clinical Pathology),
FWACP (Lab. Medicine – Chem.
Path.).

Professor

O. A. Adegoke,

MBBS, M.Sc. (Clinical Pathology),
FMC(Path)

Senior Lecturer

A. K. Ajeigbe,

MBBS, FMCPATH, FWACP, MHPM

Lecturer I

M. K. Fasanya (Mr.)

AMLSCN.

Chief Technologist

E. A. Uwaetteh (Mr.)

B.MLS, M.Sc.

Technologist I

C. R. Olaiya (Mrs.)

NECO, NABTEB

Snr. Lab. Supervisor

B. E. Boboye (Mrs.)

Modern School Certificate, NABTEB,
EDP, Pitman Typewriting (50wpm)

Chief Secretarial Assistant

T. E. Adefehinti (Mrs)

N.C.E., R.S.A Stage III

Secretarial Assistant I

Department of Haematology and Immunology

R. A. Bolarinwa, Senior Lecturer & Ag
MB.ChB, FMC(Path), M.Sc. Head of Department

M. A. Durosinmi, Professor
MBBS; FMCPATH; FWACP

N. O. Akinola, Professor
B.Sc., MB.ChB, Dip Haem. PhD.,
FMCP, FMCPATH

R. A. Togun, Professor
B.Sc., M.Sc. PhD.

L. Salawu, Professor
B.Sc., M.Sc., MB.ChB, FMCPATH,
FWACP.

T. O. Owojuyigbe, Lecturer I
MBBS, FMCPATH

A. O. Adeloye (Mrs.) Chief Medical Lab.
AIMLT, FMLSCN, PGD. Scientist

L. O. Akinyemi (Mr.) Assist. Chief Medical Lab.
ANIST, NIST, Final Diploma Scientist

O. I. Owootomo (Mr.) Assist. Chief Medical Lab.
Part II Higher Cert. B.Sc EDP Scientist

F. I. Aboderin (Mrs.) Assist. Chief Medical Lab.
AMLSCN, FMLSCN, M.Sc. Scientist

V. A. Olagunju (Mrs.) Deputy Chief Secretariat
Commercial IV Cert. Pitman Int., RSA Assistant
Adv. EDP, RSA CEB

S.O. Fasae Senior Laboratory
WASC Supervisor

T.O. Okeyode (Mrs.) SSCE , OGT Typewriting, Certificate in Local Government Studies OAU	Secretarial Assistant
A. F. Obadire (Mrs.) NECO	Laboratory Supervisor
C. O. Famoriyo NECO, WASSCE, Cert. of Health Assistant	Senior Technical Assistant
Department of Medical Biochemistry	
B. O. Emma-Okon, B.Sc., M.Sc., Ph.D. (Ife)	Senior Lecturer & Ag. Head
J. O. Areola, B.Sc., M.Sc., Ph.D. (Ife)	Senior Lecturer
E. O. Ajayi (on terminal leave) B.Sc. (Ado-Ekiti), M.Sc. (Lagos), Ph.D. (Ife)	Lecturer I
T. T. Adeniyi, B.Sc., M.Sc. (Lagos)	Lecturer I
O. U. Ashaolu, B.Sc., MB.ChB. (Ife)	Lecturer II
Y. A. Ayinuola, B.Sc., M.Sc., Ph.D. (Ife)	Assistant Lecturer
J. O. Agunbiade, B.Tech. (Ogbomoso), M.Sc.	Assistant Lecturer
M. O. Babatunde, OND, HND AIST	Chief Technologist
E. A. Ademigbuji, OND, HND, PGD, NIST	Senior Technologist

G. O. Omotosho, OND, HND, B.Sc.	Technologist II
F. T. Akinosun, WASC	Laboratory Superintendent
F. C. Adeya (Mrs.) NABTEB, NBC, OND	Secretariat Assistant II
A. Adegoke (Mr) WASC	Chief Clerical Officer
Department of Medical Microbiology and Parasitology	
B.O. Olopade MB.BS, M.Sc., FMCPATH	Lecturer I & Ag. Head
A. O. Aboderin, B.Sc., MB.ChB., M.Sc., FMCPATH	Professor
A. O. Onipede, B.Sc., MBChB, M.Sc., FWACP	Professor
E. Donbraye, B.Sc. (Hons), M.Sc., Ph.D.	Senior Lecturer
B. W. Odetoyin, B. Tech. M.Sc., Ph.D.	Senior Lecturer
R.E. Hassan-Olajokun (Mrs.) ACMLS, M.Sc., (Med. Microbiology)	Chief Medical Lab. Scientist
O. Olaniran (Mr.) OND, HND, ANUS, FCMLS, PGD	Senior Medical Lab. Scientist
E.A. Awoyeni (Mrs.) BMLS, AMLSCN, FMLSCN	Technologist I

A.O. Adeleke (Mrs) O/L,GCE, 50 wpm, EDP	Chief Secretarial Assistant
A.O. Hassan (Mrs), GCE,O/L, 50 wpm, EDP.	Chief Secretarial Assistant
O. F. Esan (Mrs.)	Senior Conf. Secretary
L. Olatunji (Mr.)	Senior Sec. Asst.

Department of Medical Pharmacology and Therapeutics

A. R. Owolabi, MD (Ukraine); M.Sc (Ife).; Ph.D (Ife)	Senior Lecturer & Ag. Head
O. E. Ajayi, MB,BS (Ilorin), M.Sc. (Ife), FMCP,	Senior Lecturer
O. A. Eluwole, MB,BS (Ogbomoso), MSc (Ife),.	Lecturer I
B. A. Omotoso, MBChB (Ife),FWACP	Lecturer I
T. O. Opadayo (Mr.) GCE; 60 wpm (RSA); EDP	Chief Secretarial Assistant
T. R. Olatoye (Mrs.) OND, HND, PGDE	Assistant Chief Technologist
R. A. Adeboye (Mrs.) OND	Senior Laboratory Superintendent
V. O. Soyebó (Mrs.) SSCE	Senior Laboratory Superintendent
A. S. Adedotun (Mr.) SSCE, Adv. Dipl. in Business Acct.	Chief Clerical Officer

Department of Medical Rehabilitation

A. O. Ojoawo, BMR (PT) (Ife), M.Sc. (PT) (Ife), Ph.D. (Ife)	Reader & Head
A.R. Adedoyin BMR (PT) (Ife), M.Sc. (PT) (Ife), Ph.D. Exercise physiology (Ife)	Professor
M. O. Egwu, BMR (PT), (Ife) M.Sc. (PT) (Ife), Ph.D. Physiological Sciences (Ife)	Reader
A. T. Onigbinde, BMR (PT) (Ife), M.Ed., Ph.D., (Ilorin)	Reader
C.E. Mbada, BMR (PT) (Ife), M.Sc. (Physiotherapy); Ph.D.(Ibadan)	Senior Lecturer
T.O. Awotidebe, BMR (PT) (Ife), M.Ed. (Exercise Physiology), Ph.D. (Ibadan)	Senior Lecturer
O.A. Olaoye, BMR (OT) (Ife), M.Sc. (OT), Ph.D.,	Lecturer I
M. O. Odetunde, BMR (PT) (Ife), M.Sc. (PT) (Ife), Ph.D)	Senior Lecturer
A. M. Okonji (Mrs) BMR (PT) (Ife), M.Sc. (PT) (Ife),	Lecturer II
A. S. Adejumobi (Mr.) BMR (OT) (Ife)	Assistant Lecturer
F. S. Olatoye (Mr.) BMR (OT) (Ife)	Assistant Lecturer

E. A. Ebemidayo (Mrs) Chief Secretariat Assistant
RSA 35 WPM, Advance 50 WPM
Secondary Modern School, EDP

T. V. Bibilari (Mrs.) Chief Secretariat Assistant
Commercial IV, 50 WPM Adv. Cert.
EDP

A. A. Udoh (Mrs.), Chief Attendant
NCE

Department of Morbid Anatomy and Forensic Medicine

O. O. Olaofe, Senior Lecturer & Ag.
Head
MBBS (Zaria), FMC Path

W. O. Odesanmi, Emeritus Professor
MBBS (Ibadan), FMCPPath, FWACP,
DUST Path (Lond), DMJ Clin (Lond)

O. S. Ojo, Professor
MBBS, FMCPPath.

K. A. Adelusola, Professor
MD; FMCPPath.

B. J. Olasode, Professor
MB. BCh., DCP, FWACP.

G.O. Omoniyi-Esan, Professor
MBBS(Ibadan), FMCPPath.

O. A. Komolafe, Senior Lecturer
MBChB (Ife), FMCPPath.

O. O. Odujoko, Senior Lecturer
MBBS, FWACP(Lab. Med),
FMCPPath.

R. A. Bejide, AMLSCNPath. , FMLSCNPath MLSCN. ICP, Dip. Conpt. Sc , MSc. Ph.D.	Chief Medical Lab. Scientist
A. S. Okeleye, W. A.S.C C.M.L.A.- C.M.L.T	Senior Medical Lab. Technician
C. O. Adeniyi, WASC, GCE	Senior Laboratory Superintendent
O. Olaoye, Mod. Three Cert. Fundamental Computer 35 W.P.M , 50 W.P.M (Unife)	Deputy Chief Secretariat Assistant
J. O. Awoyemi, Pry. Sch. Cert 35 W.P.M., Open Grading Tex ,50 W.P.M., E.D.P., NABTEB.	Senior Secretariat Assistant I

Department of Nursing Science

O. O. Irinoye, PhD (Health Sci.), M.Sc. Women, Development and Admin., M.Sc. (Nursing), B.Sc. (Nursing), RN, RM, RPHN, RNT.	Professor & Head
B. R. Fajemilehin, PhD (Sociology and Anthropology), M.Sc. (Nursing), B.N.Sc., RN, RPHN, FamPlan, R.G.N., RNE, FWACN	Professor
A.A. E. Olaogun, PhD (Sociology and Anthropology), M.Sc. (Nursing), B.Sc., RN, RM, RPHN, RNT	Professor

A. A Ogunfowokan, PhD (Nursing), M.Sc. (Nursing), BNSc., RN, RM, RPHN, FWACN.	Reader
E. O. Ayandiran, PhD (Nursing), M.Sc. (Nursing), BNSc. (Nursing), RN, RPHN,	Senior Lecturer
A. E. Olowokere Ph.D. (Nursing), M.Sc. (Nursing), BNSc. (Nursing), RN, RPHN.	Senior Lecturer
F. A. Faremi (Mrs), M.Sc. (Nursing), BNSc. (Nursing), RN, RM, RPHN, R. Occup H, CHO.	Senior Lecturer
J. O. Faronbi, PhD (Nursing), M.Sc. (Nursing), BNSc. (Nursing), RN, RPHN	Senior Lecturer
M. O. Oginni (Mrs.) M.Sc. (Nursing), BNSc. (Nursing), RN, RM, RPHN	Senior Lecturer
T. T. Famakinwa (Mr.) M.Sc. (Nursing), B.NSc., MHPM, RN.	Lecturer I
S. J. Ayamolowo, PhD (Nursing), M.Sc. (Nursing), B.N.Sc., RN, RPHN.	Lecturer I
O. E. Olagunju, PhD (Nursing), M.Sc. (Nursing), BNSc., RN, RM, RPHN, FWACN	Lecturer I
E. K. Afolabi, PhD (Nursing), M.Sc. (Nursing), BNSc., RN, RM, RPHN, FWACN.	Lecturer I

C. S. Adereti, PhD (Nursing), M.Sc. (Nursing), B.N.Sc. RN, RM, RPHN.	Lecturer I
A. O. Olajubu, PhD (Nursing), M.Sc. (Nursing), BNSc., RN, RM, RPHN	Lecturer I
O. O. Oyediran (Mr.) M.Sc. (Nursing), BNSc., RN, R.Periop, FWACN	Lecturer II
O. O. Oyelade (Miss) M.Sc. (Nursing), BNSc., RN, RPsyN	Lecturer II
A. O. Komolafe (Mrs.) MSc Nursing, BNSc, RN, RM, RPHN	Assistant Chief Nursing Officer
O. R. Salau (Mrs.) MSc Nursing, BNSc, RN, RM, RPHN	Assistant Chief Nursing Officer
I.O. Odewumi (Mr.) Modern 3, WASCE, EDP Certificate	Chief Clerical Officer
T. T. Olonade Miss, WAEC, RSA 50, 35, 25 wpm, EDP, OD, Shorthand 120wpm.	Secretarial Assistant I
J. A. Adeyeye (Mr.) WAEC	Laboratory Supervisor
N. N. Okoh (Mr.) NECO, EDP Certificate	Assistant Chief Clerical Officer
T. D. Olodude (Mr.) NECO, NCE	Assistant Laboratory Attendant

Department of Physiological Sciences

O. S. Akinsomisoye, B.Sc., M.Sc., Ph.D.	Senior Lecturer & Ag. Head
A. O. Ayoka, B.Sc., M.Sc., M.Phil. Ph.D.	Reader
R. O. Akomolafe, B.Sc., M.Sc., Ph.D.	Reader
O. Ogunlade, MBChB, FWACP. M.Sc., Ph.D	Reader
G. J. Omole, B.NSc. MBChB, M.Sc.,	Senior Lecturer
O. S. Olukiran B.Tech., M.Sc., Ph.D.	Lecturer I
M. A. Asafa, MBChB. M.Sc.,	Lecturer I
T. S. Adu (Mr.) B.Tech., M.Sc.,	Assistant Lecturer
A. E. Adebisi (Mrs) AISLT, ANIM, HND	Assistant Chief Technologist Technologist II
A. A. Adekunle (Mr.) AISLT, HND, PGD	
K. Ilesanmi (Mr.) NCE, HND	Laboratory Supervisor
G. T. Obisesan (Mrs.) B.Tech, M.Sc	Laboratory Supervisor

D. T. Solomon (Mrs.) OND	Chief Laboratory Attendant
G. N. Ewurum (Mrs.) Fundamental, EDP, UNIFECS	Chief Secretariat Assistant
A. Akinbitan (Mr.) NECO	Assistant Chief Clerical Officer

Multi-Disciplinary Laboratories (MDLs)

R.E. Hassan-Olajokun (Mrs.) ACMLS, M.Sc., (Med. Microbiology)	Chief Technologist & Head
D. O. Afolayan, M.Sc., FIMLS, AIMLS	Assistant Chief Technologist
A. O. Ojuola, Adv. Dip., NECO, WAEC.	Laboratory
A. T. Udoh, WAEC	Laboratory
F. A. Omojaro, WAEC	Laboratory
A. D. Opara WAEC, NECO, HND	Laboratory
E. B. Adebayo R S A, Dip., NECO.	Secretary

2. History of the University

Obafemi Awolowo University, Ile-Ife (Formerly University of Ife) is one of three Universities established in Nigeria between 1961 and 1962 as a result of the report submitted to the Federal Government in September, 1960, by a Commission it appointed in April 1959 under the Chairmanship of Sir Eric Ashby, Master of Clare College, Cambridge, to survey the needs of post-secondary and higher education in Nigeria over the next twenty years. On 8th June, 1961 the Law providing for the establishment of the Provisional Council of the University was formally inaugurated under the Chairmanship of Chief Rotimi Williams.

On 11th June, 1970, an Edict known as the University of Ife edict, 1970 was promulgated by the Government of the Western State to replace the Provisional Council Law of 8th June, 1961. This Edict has since been amended by the Obafemi Awolowo University, Ile-Ife (Amended) Edict No. 112 of 1975 (Transitional Provisions) Decree No.23 of 1975. This new Decree effected a takeover of the Obafemi Awolowo University by the Federal Military Government and established a Provisional Council as an interim governing body of the University which shall subject to the general direction of the Head of the Federal Government, control the policies and finances of the University and manage its affairs. This Provisional Council has since been replaced by a Governing Council.

The University started with five Faculties – Agriculture, Arts, Economics and Social Studies (now Social Sciences), Law and Science. Six new Faculties have since been added, namely the Faculty of Education (established on 1st October, 1967), the Faculty of Pharmacy (established on 1st October, 1969), the Faculties Technology and Health Sciences (now College of Health Sciences) (both established on 1st October, 1970),

Faculty of Administration with effect from 1st October 1979) and Faculty of Environmental Design and Management (established on April 6, 1982).

In 1992, the University established a collegiate system with five Colleges. The system did not function effectively and was abandoned after two years. However, the Postgraduate College and the College of Health Sciences were retained. The College of Health Sciences now comprises the Faculties of Basic Medical Sciences, Clinical Sciences and Dentistry.

The following other Institutes and major units exist in the University:

- The Adeyemi College of Education located in Ondo
- The Institute of Agricultural Research and Training, Ibadan
- The Natural History Museum
- The Institute of Ecology and Environmental Studies
- The Centre for Gender and Social Policy Studies
- The Centre for Industrial Research and Development
- The Institute of Public Health
- The Institute of Cultural Studies
- The Technology Planning and Development Unit
- The Computer Centre
- The Drug Research and Production Unit
- The Equipment Maintenance and Development Centre
- The Central Technological Laboratory Workshop
- The Central Science Laboratory
- Centre for Distance Learning
- Institute for Entrepreneurship and Development Studies (IFEDS)
- Obafemi Awolowo University Investment Company Limited

Finally, some other agencies over which the University has no direct, or, in some cases limited control, have premises within the University.

- African Regional Institute for Geospatial Information Science and Technology (AFRIGIST), formerly RECTAS
- The National Centre for Technology Management
- The Centre for Energy Research and Development
- The African Regional Centre for Space Science and Education in English.

The student population has risen steadily from 244 in 1962/63 to over 30,000 at present.

3. Vision, Mission and Major Thrusts of the University

Vision

To be a top rated university in Africa.

Mission

To nurture a teaching and learning community, advance frontiers of knowledge, engender a sense of selfless public service, and add value to African culture.

The **major thrusts** of the University Strategic Plan for 2016 – 2020 are:

- Teaching,
- Research and Innovation,
- Governance,
- Fund Generation and Management,
- Human Resources Development and
- Infrastructure and Estate Development.

These major thrusts involve the following broad objectives:

- The modernization of the University's teaching programmes, through a continuous review of the curricula and teaching support services
- The pursuit of a research agenda that will deepen the University's contribution to national development through research outputs and products uptake

- The preparation of students for self-employment and entrepreneurship
- The continued development and expansion of Information and Communication Technology (ICT) for all aspects of the institution's functions
- An expanded revenue base backed by improved financial management capability
- The development of strategic linkages and partnerships

4. History of the Faculty

The Faculty of Basic Medical Sciences is one of the three faculties constituting the present College of Health Sciences of the Obafemi Awolowo University, Ile-Ife. It was created in 1993, when the old Faculty of Health Sciences became collegiate. Until 2010 the Faculty was made up of eight departments, namely, the Departments of Anatomy and Cell Biology, Chemical Pathology, Haematology and Immunology, Medical Microbiology and Parasitology and Medical Rehabilitation. Others are Morbid Anatomy and Forensic Medicine, Nursing Science and Physiological Sciences. The University Council at its 220th meeting approved the creation of two additional departments and these are the Department of Medical Biochemistry and the Department of Medical Pharmacology and Therapeutics, thus bringing the total number of departments in the Faculty to 10.

The old Faculty of Health Science was formally instituted in the University of Ife in 1971 after three years of careful planning and in response to the demand of the Government of the Western State in 1967 for the establishment of a Medical School in the State. In 1967, a Planning Committee of the University of Ife Senate was constituted. This comprised of representatives from the Federal Ministry of Health, the Ministry of Health of the Western State Government, the Faculties of Medicine of the Universities of Ibadan and Lagos, and the Faculty of Sciences of

the University of Ife. During the following three years, the Planning Committee consulted regularly with the Ministry of Health of the Western State to understand the health needs of the State. The objective of the Committee was to develop an educational programme for the medical school that could primarily address these health needs. The educational and administrative policy of the Faculty therefore fully embraces the traditional tripod of education, research and service with greater emphasis placed on service.

An International Working Party comprising representatives of the Inter-University Council and Nigerians who served on the Planning Committee of the University of Ife Senate met in January 1971 to prepare a final report for Senate. The University Senate endorsed the recommendations of the report and later appointed a Dean for the Faculty of Health Sciences in April 1972. The Faculty was formally inaugurated on the 8th of May, 1972.

Foundation students were admitted into the Faculty in September 1972, though a group of prospective Health Sciences students had been admitted for the University Preliminary Courses in the Faculty of Sciences in September 1971.

When the Western State Government inaugurated the State Health Council and the Zonal Health Board in July 1975, the Ife-Ijesha Zonal Health Board had university representation on it. The implication was that the health institutions under the administration of the Board were to be engaged with the teaching, research and service functions of the Faculty of Health Sciences. In August 1975, the Federal Government took over the University of Ife. This included the health institutions in the Ife-Ijesha health zone which was then renamed the Ife University Teaching Hospitals Complex (now Obafemi Awolowo University Teaching Hospitals Complex).

On April 12, 1976, a Provisional Board of Management was set up under the Chairmanship of Mr. Justice C.O. Madarikan, the Chairman of the University Council, to oversee the administration of the Hospital. This Provisional Board was replaced by a 10-member Management Board under the Chairmanship of Mr. Justice C.D. Onyema on the 1st July, 1976.

5. Physical Structures

The Departments of Anatomy and Cell Biology, Physiological Sciences, Medical Biochemistry are located in Block X of the Biological Sciences Buildings across the road from the College of Health Sciences Complex, while Medical Pharmacology and Therapeutics and Nursing Science are located in Block Y and Medical Rehabilitation, Chemical Pathology, Haematology and Immunology, Medical Microbiology and Parasitology and Morbid Anatomy and Forensic Medicine are located in Block Z of the College building complex. Each Block (X, Y, Z) has multidisciplinary laboratories that serve all the departments in the Faculty and provide the equipment and consumables that are in common use by the departments, e.g. microscopes, oven/incubator and glasswares.

6. Administrative Restructuring

At the instance of National Universities Commission (NUC) in 1991/92 session, the University went Collegiate. Three Faculties were created from the Faculty of Health Sciences. These were Faculties of Basic Medical Sciences, Faculty of Clinical Sciences and Faculty of Dentistry. The three Faculties, together with the Faculty of Pharmacy, constituted the College of Health Sciences.

The Vice-Chancellor formally dissolved the Faculty of Health Sciences on Wednesday May 20, 1992 at the last meeting of the Faculty Board. At this same meeting, the Vice-Chancellor also formally inaugurated the three new Faculties of Basic Medical

Sciences, Clinical Sciences and Dentistry. Staff members were deployed to the new Faculties with effect from May 25, 1992. The Collegiate system in the University was suspended in December 1994. Senate however allowed the continuation of the Collegiate System in the College of Health Sciences comprising the three Faculties above and one Institute of Public Health that would focus on research and collaborative training. This new College of Health Sciences was formally approved by Senate on March 29, 1995.

The current Faculty of Basic Medical Sciences is composed of 10 Departments namely:

1. Department of Anatomy and Cell Biology
2. Department of Chemical Pathology
3. Department of Haematology and immunology
4. Department of Medical Biochemistry
5. Department of Medical Microbiology and Parasitology
6. Department of Medical Pharmacology and Therapeutics
7. Department of Medical Rehabilitation
8. Department of Morbid Anatomy and Forensic Medicine
9. Department of Nursing Sciences
10. Department of Physiological Sciences

All these departments have well developed Sub-Specialties. The Faculty can boast of over 80 erudite scholars, basic medical researchers and outstanding Clinicians who are also honorary Consultants to the Obafemi Awolowo University Teaching Hospitals Complex, Ile-Ife. The Faculty is committed to the development of the College Journal (Nigerian Journal of Health Sciences). Ground breaking scientific research studies presented during the Faculty Annual Scientific Conference are often published in the College Journal

7. Names of the Officers of the University

Principal Officers

Chancellor	-	His Royal Highness Alhaji (Dr.) Yahaya Abubakar Etsu, Nupe.
Pro-Chancellor		Dr Yemi Ogunbiyi B.A., M.A., Ph.D.
Vice-Chancellor	-	Prof. E.O. Ogunbodede B.Sc., BChD, MPH, DDPH RCS, PhD, FFD RCSI
Deputy Vice-Chancellor (Academic)	-	Prof. A.S. Bamire BSc., PhD.
Deputy Vice-Chancellor (Administration)	-	Prof. C.O. Ajila B.A., M.Sc., PhD
Registrar	-	Mrs. M.I. Omosule B.A., M.A.
University Librarian	-	Dr. F.Z. Oguntuase B.A., MLS, PGDCS, PhD
Bursar	-	Mr. S.O. Ayansina B.Sc., MPP, MBA, ACITFCA

8. Mission, Vision and Strategic Objectives

The Faculty of Clinical Sciences being one of the three faculties in the College of Health Sciences shares her Mission and Vision with that of the College

Vision

To be a globally acclaimed centre of excellence in health professions education, research and services

Mission

To provide exceptionally high quality health professions education and services, while promoting cutting-edge research that drives development.

Strategic Objectives

To train health care personnel who can work as a team, provide comprehensive health care to individuals in any community (urban or rural) in the nation, and be up to date on issues of global health relevance.

However, the objectives of the programme of the Faculty are:

- To provide a sound scientific and professional basis for production of doctors, nurses, physiotherapist and researchers who would be capable of working anywhere in Nigeria.
- To provide such training that would equip the health personnel with skills to provide primary health care (PHC) services. The curriculum, as run by various departments, is oriented to place greater emphasis on primary health care.
- To produce doctors, nurses, physiotherapist and researchers who would satisfy internationally recognized standards, and who could undertake further training towards specialization.
- To produce doctors, nurses, physiotherapist and researchers with sufficient management skill for effective leadership role in the health care delivery system.

The Faculty, annually during the Faculty week, addresses important health and topical issues in the community and the

nation at large. Free health outreach services are also provided for people in the rural communities, especially the indigent ones.

9. Roll of Honour for Students

The University Senate at a special meeting held on November 1, 2006, decided that Roll of Honour for Students be instituted in the University to enhance discipline and good performance among students. All students are enjoined to strive to be on the Honours Roll.

The Faculty of Basic Medical Sciences has a Roll of Honour for students in the BMR and B.N.Sc. Degree programmes who graduate with Distinctions or Pass with Credit. To qualify for this honor, a candidate must have passed all examinations in one attempt and graduate with overall best result in the Medical Rehabilitation and the Nursing programmes.

10. Information on Facilities

A. Hezekiah Oluwasanmi Library

Plan of the Library

The Library consists of the North and South wings, which are connected by walkways on two levels.

Membership

Membership of the Library is available, on completion of a registration card, to all students, members of the senior staff of the University and such other persons as may be determined by the Library Committee or the University Librarian on behalf of it.

Students are required to renew their registration at the beginning of each academic year. Library Cards and Borrower's Tickets are not transferable; books issued on

them remain the responsibility of the person whose name appears on them.

A Lost Library Card or Borrower's Ticket may be replaced on submission of a written application and payment of specified fine.

The Library Collection

Hezekiah Oluwasanmi Library now contains over 700,000 volumes. It consists of two main areas:

- (i) The Undergraduate Area and
- (ii) The Research Area.

I. Africana Special Collection

The Africana Special Collection is a collection of rare and other books of primary interest to people whose fields of interest are in African Studies. Staff publications and theses submitted for higher degrees of the University as well as of other Universities are also housed there.

II. Documents Collection

The Documents Collection includes official publications of the Federal Government of Nigeria, the old regional governments, the present state governments and the Federal Capital Territory. It also includes publications of other African governments and international agencies.

III. Reference Collection

Dictionaries, encyclopaedia, handbooks, directories, atlases, University Calendars, etc. are shelved in the Reference Room. Bibliographies, indexes and abstracts are available in the

Bibliography room. Reference books do not ordinarily circulate.

A newspaper clippings file (*post-October, 1985*) and a vertical file of reprints and other pamphlet type material is kept in the Reference Room.

IV. Serials Collection

The Serials Collection consists of both current and backfiles of journals. The current journals are shelved in the display section of the Serials Room. The backfiles are in two categories:

- a. Recent backfiles refer to the latest 10 years of journals which are on open access to registered senior staff and postgraduate students.
- b. Older backfiles refer to journals older than ten years and are available to all categories of readers who must obtain and complete request forms at the Serials section.

V. Recent Accession

A selection of books added to the Library stock is normally displayed for several days before being put in the main collection. The books may not be borrowed while on display but may be reserved at the Loans Desk.

VI. Carrels

In the South Wing, 2nd floor East, there are twenty-two carrels for private study. Application forms for carrels are available from the Reference Librarian who allocates them for a maximum period of three months at a time.

Catalogues

A library catalogue is a finding list of books and other materials available in the Library. The library operates two forms of catalogues namely: manual and electronic (OPAC).

Manual catalogues

The following manual catalogues can be found in the Catalogue Hall:

- (i) The Author/Title Catalogue
- (ii) The Subject Catalogue
- (iii) The Shelf List
- (iv) The Serials Catalogue
- (v) The Documents Catalogue

Online Public Access Catalogues (OPAC)

Hezekiah Oluwasanmi Library Collection can equally be accessed through the OPAC which is an electronic catalogue held by the library. The computer systems that are designated for the OPAC are presently located at the Circulation Foyer. Users can search the database through authors, titles, subjects, keywords in titles, etc.

Electronic resources

Electronic resources are accessible through the Library website at <http://library.oauife.edu.ng>.

How to Borrow a Book

When you have found the book you want to borrow, you will be required to sign your name and address on the book card provided in duplicate. You must surrender a Borrower's Ticket for each book borrowed.

When you return a book, you must ensure that you receive your Borrower's Ticket back immediately.

Reservation

A book can be reserved by filling a reservation slip; in which case, it will not be renewed for the present borrower when returned; and, if it is already overdue, it will be recalled at once.

Inter-Library Loan

If the book you require is not in stock, it is often possible to borrow it from another library. This service is dependent on goodwill and co-operation between libraries, and readers who benefit from it are required to observe the regulations applying to each loan.

Photocopying Services

Within the limitations imposed by copyright, the library is able to supply readers with photocopies of periodical articles and parts of books at moderate charges.

Penalties for Overdue or Lost Books

Penalties for overdue books will be imposed as follows:

- (a) N5.00 per day for the first 30 days; thereafter, all loan privileges will stop.
- (b) Books specially recalled by the University Librarian will attract a fine of ₦10.00 per day after the third day from the date of recall.
- (c) Books lost or damaged will attract a fine five times the current cost of the books.
- (d) No student will be allowed to attend the Graduation Ceremony or receive his/her certificate without a clearance certificate from the University Library to the effect that no book or fund is outstanding against him or her.

B. Division of Students' Affairs

I. Guidance and Counselling Unit:

The Division of Student Affairs has Professional counsellors who are committed to helping students grow

in self-understanding in the process of integrating their personal and academic experiences. The services are free to students and are confidential (i.e. not used as part of his/her other University records). The services include personal counselling, group counselling, study skills improvement, tests anxiety reduction, personal crisis intervention, psychological testing, career and occupational counselling, and settlement of grievances between students. Where necessary, consultations are made with campus organisations, specialist and academic Departments, to ensure that students' problems are resolved satisfactorily.

The Counsellors can be contacted in Rooms 9 & 10, Division of Student Affairs between 10.00 a.m. and 2.00 p.m. Monday to Friday. Besides, a Counsellor specifically posted to the College of Health Sciences is available and has his office in the College every working day, 8am to 4pm

II. Scholarship and Financial Assistance:

The Division of Students' Affairs serves as a link between students and sponsoring authorities, both within and outside Nigeria. Students are advised to check the Notice Boards in their respective faculties as well as those at the Division of Students Affairs Building for advertisements and other relevant information.

Liaison is also maintained between students and governments at various levels for scholarship and bursaries. Besides, bursaries and scholarship schemes that are facilitated through the office of the Dean are made accessible and available for students to uptake from time to time, based on specified criteria.

11. Registration for University Examinations

- (a) A candidate for a University examination must have registered for the courses in the prescribed format not later than the closing date prescribed for registration for such courses. Any candidate who fails to register for courses at the appropriate time as prescribed by Senate will not be allowed to take any examination in such courses. Any examination taken without courses registration shall be null and void.
- (b) Students who register for courses are committed to the number of units registered for and are expected to take examinations in such courses. If a student fails to take an examination, he/she would be scored '0F' for the number of units he had registered for and in which he had failed to take the prescribed examination.
- (c) Any student who does not have any course or courses to offer in a particular semester should apply for leave of absence.
- (d) A candidate who has less than 15 units in a particular semester to graduate should apply to his/her Faculty Board for permission to register for less than 15 units. Failure to do so constitutes a breach of regulation which may result in the non-processing of the candidate's results.
- (e) A candidate who cannot register for courses during the prescribed period for registration because of an illness must ensure that medical report on his illness is forwarded by him or his parents/sponsors to reach the Dean of his Faculty not later than four weeks after the end of the normal registration period as scheduled in the University Calendar. Such a medical report should be

forwarded for authentication by the Director of Medical and Health Services for it to be considered valid. Such a candidate shall be exempted from the penalties of late registration. All applications should be routed through the Head of Department.

- (f) Students must attend a minimum of 75% of course instructions including lectures, tutorials and practicals where required to qualify to sit for examination in any course.
- (g) A candidate for a university examination in a particular degree programme should not be a regular candidate for another degree in this or any other university concurrently. Any candidate so discovered shall forfeit his/her studentship.

12. Examination Accommodation

- (a) All University examinations shall be held in rooms approved by the University Time-Table Committee as suitable for the purpose. The rooms shall be prepared as follows:
 - (i) As much as possible, the University Time-Table Committee should endeavour to accommodate all candidates who are to write papers in the same course in one room.
 - (ii) Where all candidates for the same course cannot be seated in one room, and are likely to be split into different rooms, the Head of Department must be informed in good time to make arrangement for sufficient number of invigilators.
 - (iii) Sitting arrangement shall be standardised and specific distances maintained between one candidate and the other to prevent cheating.

- (b) The Director, Academic Affairs shall supply to the Dean's Office answer books and other approved writing materials e.g. drawing paper, square ruled paper and graph paper for collection by Chief Examiners.

13. Arrangement for Examination

Examination Timetable and Invigilation A

- (a) The Harmattan and Rain Semester Teaching and Examination Time-Table shall be made available to students at the beginning of each Semester to guide them in selecting courses, particularly electives for which they can register.
- (b) The Directorate of Academics affairs shall reissue the Examination Time-Table for all courses to be examined at least 4 weeks before the first day of the examination period.
- (c) The final examination time-table shall be displayed on notice boards two weeks to the examination after reactions from departments and there shall be no adjustments thereafter without the express permission of the Registrar.
- (d) Each Head of Department shall be requested to make arrangement for the invigilation of courses taught in his Department. In case of courses with large student enrolment, the Head of Department should make arrangements in consultation with the Dean and Cognate Departments.
- (e) An invigilator shall be allocated for an average of fifty candidates provided that there shall be at all time no fewer than two invigilators in each room. One of the invigilators shall be designated senior

invigilator for an examination room. Any invigilator who is absent or late without good cause shall be reported by the Head of Department to the Vice-Chancellor.

- (f) The time appointed for the examination in each paper as indicated in the examination Time-Table must be strictly adhered to. When it is absolutely necessary to reschedule an examination, the Head of Department will do so after consultation with the Director of Academic Affairs who will publicise it, giving affected candidates a minimum of 48 hours' notice of change.
- (g) The invigilator shall hold up and show to the candidates, before opening in their presence, the sealed packets of question papers at the commencement of the examination in the subject to which the packet relates.
- (h) No candidate shall be allowed to enter an examination room earlier than thirty minutes before the commencement of the examination.
- (i) No candidate shall be allowed to enter an examination room later, or to leave an examination room earlier than thirty minutes after the beginning of an examination session. Any candidate who seeks entry into the examination room after the first thirty minutes may be allowed to do so by the invigilator, but such cases shall be reported in writing to the Head of Department.
- (j) Candidates who arrive late shall not be allowed extra time except in special circumstances in

which the candidate had duly notified the examiner or invigilator in writing such as instances of unresolved clashes in the time-table.

- (k) Until the time when candidates are allowed to leave the examination room, no copy of the question shall be removed from the examination room.
- (l) In case a candidate has to leave the examination room temporarily he shall be accompanied by an Invigilator.
- (m) Candidates should leave their signed signature slips on their tables and must wear their identity cards throughout the period of Examination.
- (n) After the first half hour has elapsed, the Invigilator shall check and sign the attendance sheets in duplicate. These signed sheets shall be considered the final list of candidates in the examination, and one copy shall be delivered by hand to the Registrar while the other is enclosed in the same envelope containing the answer books.
- (o) While the examination is in progress, no persons other than the Chief Examiner/Coordinator, the Invigilators, the Registrar or his representative and Medical Officers shall be allowed to enter the examination room except that the examiner(s) in each paper shall be present during that first thirty minutes of the examination and at such other times as may be requested.

- (p) The Invigilator shall maintain constant vigilance throughout the examination session at which he is in attendance. Senior Invigilators shall consider any misconduct or reason for suspecting misconduct or any irregularity that may be brought to their notice in connection with any examination offences. They shall also send report to the Head of Department immediately on the completion of the paper in respect of which the misconduct took place. The Head of Department shall report same to the Vice-Chancellor for disciplinary action within 24 hours.
- (q) At the close of an examination, candidates shall hand over their answer scripts to the Invigilator and not leave them on the desk for the Invigilator to collect. The Invigilator should move from row to row collecting the scripts from candidates and on no condition should candidates be allowed to leave the room while their scripts are lying on their desks. The Invigilator shall check the candidates' answer books against the attendance lists to ensure that the scripts are complete. He shall then parcel and seal the answer books together with four copies of the relevant question paper and the copy of the signed attendance sheet and deliver them to the Head of Department.

14. Absence from Examination

Candidates must present themselves at such University examinations for which they have registered. Candidates who fail to do so for reason other than illness or accident shall be bound by the following regulations:

- (a) Any student who fails to register for courses during one semester without permission should be deemed to have scored “0F” in the minimum number of units required for full time student (i.e. 15 units.)
- (b) Candidates who registered for courses, attended classes regularly, did all practicals and tests but did not take required Semester examinations should be given a continuous assessment grade in each of the affected courses and a grade of “0” in the examination which they should have taken, but which they did not take.
- (c) Candidates who have less than 15 units to graduate but who fail to take the required examinations should be deemed to have scored ”0F” in the outstanding courses only, provided such candidates obtained permission to register for less than 15 units.
- (d) Any candidate who on account of illness, is absent from a University examination may be permitted by the Senate on the recommendation from the appropriate Faculty Board, to present himself for such examination at the next available opportunity provided that:
 - (i) A full-time student in the University shall report any case of illness to the University Health Centre at all times.
 - (ii) When a student falls ill during examination, he should first report to the Director, Medical and Health Services before attending any hospital outside the

University. A report of sickness should be made to the Registrar within a week and a medical certificate for validation of his illness within three weeks.

- (iii) When a student falls ill before an examination, he shall be under an obligation to send a medical report countersigned by the Director, Medical and Health Services within one week of such illness. Any time outside this period, shall be considered on its own merit.
- (iv) The Director of Medical and Health Services should, within 48 hours, submit a medical report on a candidate who is ill during an examination and is taken to the Health Centre or referred by it to the hospital for treatment.
- (v) A candidate applying for leave of absence on medical grounds must forward his application together with a medical report to the Dean of his/her Faculty through the Head of Department. The Medical report must be countersigned by the Director of Medical and Health Services. All applications for Leave of Absence must be taken by the appropriate Faculty Board.

15. Examination Offences and Penalties

Examination Offences

- a) A candidate shall not be allowed during an examination to communicate by word or otherwise with any other candidate, nor shall he leave his place except with the

consent of an invigilator. Should a candidate act in such a way as to disturb or inconvenience other candidates, he shall be warned and if he persists he may, at the discretion of the invigilator, be excluded from the examination room. Such an action by the invigilator must also be reported in writing through the Head of Department to the Vice-Chancellor within 24 hours.

- b) It shall be an examination offence for any student, staff or any person whatsoever to impersonate a candidate in any University examination. Any student or staff of the University found guilty under this regulation shall be subjected to disciplinary action by the appropriate authority of the University. The candidate impersonated shall also be liable of an infraction of this regulation where it is established directly from circumstantial evidence that the impersonation is with his knowledge or connivance.
- c) No candidate shall take into an examination room, or have in his possession during an examination any book or paper or printed or written documents, whether relevant to the examination or not, unless specifically authorised to do so. An invigilator has authority to confiscate such documents.
- d) Mobile phones are not allowed in examination halls.
- e) A candidate shall not remove from an examination room any papers, used or unused, except the question paper and such book and papers, if any, as he is authorised to take into the examination room.
- f) Candidates shall comply with all “direction to candidates” set out on an examination answer book or other examination materials supplied to them. They

shall also comply with direction given to them by an invigilator.

- g) Candidates shall not write on any paper other than the examination answer books. All rough work must be done in the answer books and crossed out neatly. Supplementary answer books, even if they contain only rough work must be tied inside the main answer books.
- h) When leaving the examination room, even if temporarily, a candidate shall not leave his written work on the desk but he shall hand it over to an invigilator. Candidates are responsible for the proper return of their written work.
- i) Smoking shall not be permitted in examination room during examination session.
- j) Any candidate or staff who attempts in any way to unlawfully have or give pre-knowledge of an examination question or to influence the marking of scripts or the award of marks by the University examiner shall be subjected to disciplinary action by the appropriate authority of the University.
- k) If any candidate is suspected of cheating, receiving assistance or assisting other candidates or of infringing any other examination regulation, a written report of the circumstance shall be submitted by the invigilator to the Vice-Chancellor within 24 hours of the examination session. The candidate concerned shall be allowed to continue with the examination.
- l) Any candidate suspected of examination malpractice shall be required to submit to the invigilator a written report immediately after the paper. Failure to make a report shall be regarded as a breach of discipline. Such

report should be forwarded along with the invigilator's report to the Vice-Chancellor.

- m) Where a Head of Department fails to forward a report on examination malpractice to the Vice-Chancellor, such action would be considered as misconduct.
- n) Where the Vice-Chancellor is satisfied on the basis of the reports forwarded to him that any candidate has a case to answer, he shall refer the case to the Central Committee on Examination Malpractice.

Penalties for Examination Malpractice and Other Offences

- (a) Any examination offence would attract appropriate penalty including outright dismissal from the University.
- (b) Where the Vice-Chancellor has reason to believe that the nature of any question or the content of any paper may have become known before the date and time of the examination to any persons other than the examiners of the paper, the Board of Examiners and any official of the University authorised to handle the paper, he may order the suspension of the examination or the cancellation of the paper or setting of a new paper and shall report the matter to the Senate. The Vice-Chancellor shall also take any disciplinary measure against any student or students involved, as he may deem appropriate.
- (c) If in the opinion of an invigilator, circumstances arise which render the examination unfair to any candidate, he must report the matter to the Vice-Chancellor within 24 hours after the examination. Where such matter is reported to the Vice-Chancellor, he may take such action as he deems fit. If he directs that another examination

be held, that examination shall be the examination for the purpose of this regulation.

- (d) Any candidate or member of staff may complain to the Vice-Chancellor that an examination has been improperly conducted. The Vice-Chancellor shall investigate the complaint and report the result of his investigation to the Senate which shall take such action as it may deem appropriate, including with-holding a result or deprivation of the award of a degree, diploma etc. as laid down in Statue 17. However where it is shown to the satisfaction of the Committee of Deans that any alteration or amendment of a University regulation involving a change in course of study or in examination requirements has caused hardship to a candidate in any examination, the Committee of Deans shall make such provisions as it thinks fit for the relief of each hardship and report same to Senate.

UNDERGRADUATE DEGREE PROGRAMMES IN THE FACULTY

MBChB / B.Ch.D Degree Programmes

1. Examination Regulations for the MBChB Degree Programme

General Examination Regulations

- I. The MB.Ch.B. and B.Ch.D degree is currently examined in six parts. The first four parts is undertaken in the Faculties of Science and Basic Medical Sciences –
- i. The Pre-Professional Examination at the end of Year 1

- ii. The Promotional Examinations in Anatomy, Physiology and Biochemistry at the end of Year 2 (Phase I)
 - iii. The First Professional Examination at the end of Year 3 (Phase I).
 - iv. The Second Professional Examination at the end of Year 4 (Phase II)
- II. For all the Professional Examinations, course-work shall constitute 40 percent of the total final session's assessment, while the end of session examination in the subject shall constitute 60 percent.
- III. The Practical examination may be conducted as Steeple chase, steeple gaze, objective structured clinical examination (OSCE)/Picture test, or a combination and Viva Voice.
- IV. a) The Pass mark for all subjects undertaken in the Professionals Examinations shall be 50 percent with the requirement that the candidate also obtains a minimum score of 50 percent in the clinical examination or practical; a failure in the clinical examination or practical translates to a failure of that subject.
- b) Where a candidate obtains a score of 70 percent or above in the total scores for a subject in his/her first attempt, (s)he shall be deemed to have obtained a Pass with Distinction in that subject, provided (s)he satisfies other conditions for a Pass..
- V. a) No candidate will be allowed to take two re-examinations in a subject in which (s)he failed at a Professional Examination.

b) Re-sit examination shall normally be conducted for qualified candidates within three months after the main examination for the subject.

c) If a candidate fails a re-sit examination, he/she will repeat the year.

VI. A candidate shall only be allowed to repeat the same year of study once.

VII. Any candidate that fails 2 consecutive years may be allowed to transfer to another Faculty in the University provided he/she meets the basic requirement for entry into that degree programme.

Scheme of Examinations

Year 1: (Pre-Professional Examination)

1. The scheme of examination during Year 1 shall be as determined by the Faculty of Science and other Units involved in training the class.

2. No candidate shall be allowed to proceed to the Professional Phase (Year 2) without passing all subjects in Year 1.

The Course Unit System and the Computation of Grade Point Average (CGPA)

Grades	Scores	Remarks
A	70%-100%	EXCELLENT
B	60-69%	VERY GOOD
C	50-59%	GOOD
D	45-49%	SATISFACTORY
E	40-44%	PASS
F	0-39%	FAIL

Examinations are conducted at the end of each semester (harmattan and rain) in Part 1(Pre-professional year). Subsequently, students take examinations at the end of each year to move into the next class.

Professional Phase I

Year 2: (Promotional Examination)

The examination in Year 2 shall be a promotional examination. The courses formally examined in Year 2 are CLI 210 (Human Anatomy I), CLI 220 (Medical Biochemistry I) and CLI 230 (Physiology). The course-work shall constitute 40 marks of the assessment for the year, while the end of session examination shall constitute the remaining 60 marks in each subject.

The scheme of the end of session examination for each subject is as follows:

	Written Papers	Practical	Oral
CLI 210 Human Anatomy I	Paper I: (MCQs) – 3 hours Paper II: (Essays) – 3 hours	1 Practical Paper - 3 hours	1 Oral examination
CLI 220 Medical Biochemistry I	Paper I: (MCQs) – 2 hours Paper II: (Essays) - 2 hours	1 Practical Paper - 3 hours	1 Oral examination
CLI 230 Physiology I	Paper I: (MCQs) – 2 hours Paper II: (Essays) – 2 hours	1 Practical Paper – 3 hours	1 Oral examination

- (a) In Year 2 (Promotional Examination), a candidate who fails the three subjects - Human Anatomy, Medical Physiology and Medical Biochemistry - shall be asked to withdraw from the programme.
- (b) A candidate who fails in two of the three subjects in (a) above shall be required to repeat the year.
- (c) A candidate who fails one of the three subjects in (a) above shall re-sit the examination at the next available opportunity which shall normally be within three months after the initial examination. A candidate is qualified for re-sit examination only after a period of remedial tutorial which shall not be less than four weeks. Should this candidate fail to pass the re-sit examination, (s)he shall be required to repeat the year.
- (d) A repeating candidate who fails to pass in two or all the three subjects at the next Promotional Examination shall be asked to withdraw from the programme.
- (e) A repeating candidate who fails to perform satisfactorily in one of the three subjects shall re-sit the examination at the next available opportunity which shall normally be within three months after the initial examination. Should this candidate fail to perform satisfactorily at the re-sit examination, (s)he shall be asked to withdraw from the programme.

Year 3: (First Professional Examination)

The examination in Year 3 shall be called the First Professional Examination. The scheme of examinations is as follows:

	Written Papers	Practical	Orals
CLI 310 Human Anatomy II	Paper I: (MCQs) – 3 hours Paper II: (Essays) – 3 hours	1 Practical Paper - 3 hours	1 Oral examination

CLI 320 Medical Biochemistry II	Paper I: (MCQs) – 2 hours Paper II: (Essays) - 2 hours	1 Practical Paper - 3 hours	1 Oral examination
CLI 330 Physiology II	Paper I: (MCQs) – 2 hours Paper II: (Essays) – 2 hours	1 Practical Paper – 3 hours	1 Oral examination
CLI 340/350/360 Biostatistics/ Introduction to Community Health/Behavioral Sciences	Combined paper - 2 hours		

For the First Professional Examination (Year 3), the course-work shall contribute 40 marks towards the total session's assessment, while the end of session examination shall constitute the remaining 60 marks.

- (a) A candidate who fails to perform satisfactorily in three subjects (Human Anatomy, Medical Biochemistry, and Physiology) shall be asked to withdraw from the programme.
- (b) A candidate who fails to perform satisfactorily in two of the three subjects (Human Anatomy, Medical Biochemistry, and Physiology) shall be required to repeat the year.
- (c) A candidate who fails to perform satisfactorily in one of the three subjects shall re-sit necessary examination in the subject at the next available opportunity; this shall normally be within three months after the initial examination. A candidate shall be qualified for a re-sit examination after a period of remedial training which shall not be less than four weeks. Should this candidate

- fail to perform satisfactorily at the re-sit examination, (s)he shall be asked to repeat the year.
- (d) A repeating candidate who fails to perform satisfactorily in two or all the three subjects at the next First Professional Examination shall be asked to withdraw from the programme.
 - (e) A repeating candidate who fails to perform satisfactorily in one of the three subjects shall re-sit the examination at the next available opportunity following a minimum of four weeks remedial tutorial. Should this candidate fail to perform satisfactorily at the re-sit examination, (s)he shall be asked to withdraw from the programme.
 - (f) No candidate shall be allowed to repeat the year twice.
 - (g) A candidate who fails in the Combined Paper CLI 340/350/360, shall be allowed to proceed to the next class, but shall not be allowed to graduate without passing the paper.

Year 4: Professional Phase II (Second Professional Examination)

The Second Professional Examination (at end of Phase II programme) shall be at the end of Year 4. The Examination shall be a professional examination in two of the Part IV subjects- Human Pathology and Clinical Pharmacology and Therapeutics.

Only end of posting (MCQ and Clinical) examination will be conducted in Introduction to Principles of Medical and Surgical Practice; the score obtained at the end of posting examination will constitute 20% of the marks during the Part VI final examinations in Medicine and Surgery.

The second professional Examination shall test for competency of the students in Human Pathology (Chemical Pathology, Haematology/Immunology, Microbiology/Parasitology and

Morbid Anatomy & Forensic Medicine) and in Clinical Pharmacology and Therapeutics. The course-work shall contribute 40 percent towards the session's assessment in each subject, while the final examinations scores shall constitute 60%.

Pass in Pathology and Clinical Pharmacology and Therapeutics will be the determinants of promotion to the next year.

a. Conduct of Examinations for Pathology Courses

Each department shall conduct its examinations and return marks out of 100% to a Coordinator (in-courses out of 40% and final examinations out of 60%). The examinations shall consist of Theory Papers 1 & 2 (Paper 1-MCQs and Paper 2-Essays), Practical and Orals. A candidate is expected to pass the combined practical examinations and obtain a minimum of 50% to pass Pathology.

- b. A candidate who fails one of the two subjects shall re-sit the examination in the subject failed at the next available opportunity; this shall normally be within 4 weeks after the release of the results of the initial examination and such candidate shall undergo remedial tutorial for a minimum period of not less than three weeks. A candidate who fails the re-sit examination shall be asked to repeat the year.
- c. A candidate who fails in the two subjects shall repeat the year.
- d. No candidate shall repeat the year twice. A repeating candidate who fails the examination in the two subjects shall be asked to withdraw from the programme.
- e. A repeating candidate who fails one of the subjects shall be allowed to re-sit the subject after a minimum of three weeks

remedial posting. Failure to pass the subject at this re-sit examination shall lead to withdrawal from the programme.

2. Exit from the Programme

The exit programme is to provide guidance and support to students who are unable to continue with the M.B.Ch.B or B.Ch.D. programmes either due to lack of interest or poor performance. A three-man committee of the Faculty will study the result of all M.B.Ch. B students from their first year through final year and provide guidance and support to those who are not coping academically. The committee will also facilitate the transfer of candidates who cannot cope from the Faculty to other Faculties in the University. The establishment of single subject honours courses in the Basic Medical Sciences (such as Human Anatomy, Physiology,) where the students can spend 12-18 months after the first professional examination will ease the pain of withdrawals.

3. Transfer Within the University and Length of Stay in the University

Candidates who are advised to withdraw from the MBChB degree program will be able to transfer to another department within the university, provided he/she fulfils the admission criteria to such a department.

The duration of the degree program is 6 (six) years including the preliminary year. However, the maximum allowable duration for the MBChB degree program is nine years, one and a half times the duration allowed for the programme .

4. Entry Requirements

- i. The minimum requirements for admission to courses leading to the award of the M.B.Ch.B. / B.Ch.D degree are those for entry into the Obafemi Awolowo University Ile-Ife. The qualifying subjects must include credits in

Physics, Chemistry, Biology, Mathematics and English Language in the West African School Certificate Examinations (WASCE) or National Examination Council (NECO) or equivalent; **provided all the subjects are taken and passed at a single sitting.**

- ii. Candidates may be considered for admission into part one (Pre-professional phase) of M.B.Ch.B. / B.Ch.D. degree programme after passing the prerequisite subjects (English Language, Biology, Chemistry and Physics) in the Unified Tertiary Matriculation Examination (UTME) of the Joint Admission and Matriculation Board (JAMB) or any other examination that the University Senate may approve for the purpose. The College shall determine the appropriate minimum merit UTME marks for admission into the programme.
- iii. Candidates who require direct admission into year two of the M.B.Ch.B. / B.Ch.D. degree programme must satisfy the admission requirements of the University, and must, in addition, in the GCE Advanced Level examination or Joint University Preliminary Examination Board (JUPEB) have a minimum aggregate score of 12 and a minimum grade of C in all the subjects. The grades must be obtained in Chemistry, Physics, and Biology (or Zoology) at not more than one sitting. Candidate with First- or Second-Class Upper Degree in the Basic Medical Sciences, **Biological, or Pharmaceutical Sciences, with a minimum average score of 60%** from a recognized University may also be admitted directly into the Year Two M.B.Ch.B. / B.Ch.D. degree programme. In either case, an interview for admission may be required.
- iv. Candidates who wish to transfer to the M.B. Ch.B. / B.Ch.D. programme from other related Faculties must

have a minimum GPA of 3.5 to be considered. In this case, the candidate must meet the basic admission requirement in (1) above and must have taken courses in the first year similar to courses required for Year 1 medical students.

OUTLINE OF PROGRAMME

Pre-professional Phase - Year 1

During this pre-professional year, the student receives instructions mainly from the Faculty of Science. The programme of instructions for this year divided into two Semesters, is designed to provide relevant scientific knowledge in Chemistry, Biology and Physics to enable the student to understand Human Anatomy, Embryology, Physiology, Biochemistry, Sociology, and to help him/her acquire the scientific method for analytical and problem-solving skills. It is also expected that the student would register for University **Special Elective** courses from the beginning of Year 1.

Year 1 (Pre-Professional Phase) (Courses available in University)

Harmattan Semester

Course	Title
CHM 101	Introductory Chemistry I
CHM 103	Experimental Chemistry I
BOT 101	Introductory Botany I
BOT 103	Experimental Botany I
PHY 105	Physics for Biological Sciences I
PHY 107	Experimental Physics Ia
ZOO 101	Introductory Zoology I
ZOO 103	Experimental Zoology I
SSC 101	Man and His Social Environment

SER.001**Use of English****Rain Semester**

Course	Title
CHM 102	Introductory Chemistry II
CHM 104	Experimental Chemistry II
PHY 106	Physics for Biological Sciences II
PHY 108	Experimental Physics Ib
ZOO 102	Introductory Zoology II
ZOO 104	Experimental Zoology II
SSC 102	Elements of Economic Principles and Theory
SER 001	Use of English

Professional Phases:**Years 2 and 3 (Phase I) - Courses available in Faculty of Basic Medical Sciences****Year 2**

Course	Title
CLI 210	Human Anatomy
CLI 220	Medical Biochemistry
CLI 230	Physiology

Year 3

Course	Title
CLI 310	Human Anatomy
CLI 320	Medical Biochemistry
CLI 330	Physiology
CLI 240	Biostatistics
CLI 250	Introduction to Community Health
CLI 260	Behavioral Sciences

Year 4 (Phase II) - Courses available in Faculty of Clinical Sciences.

Course	Title
CLI 400	Integrated Lecture Series
CLI 420	Introduction to the Principles of Medical Practice
CLI 430	Human Pathology
CLI 421	Clinical Pharmacology and Therapeutics

SER 001 and 002: Use of English is compulsory for all students

M.B.Ch.B. Degree Professional Phases I and II

The M.B.Ch.B. degree programme shall last for five academic years after the pre-professional year. It is structured as a three-phased programme.

Years 2 and 3 (Professional Phase I)

This phase lasts for twenty-four months. The main courses – Human Anatomy, Medical Biochemistry and Physiology - are taught throughout the period. The course contents are structured to ensure that the topics are complementary, the knowledge and skills gained are linked, and clinically relevant. Also, students are introduced to Community Health, Behavioural Sciences and Biostatistics, including computer aided analysis. At the end of Professional Phase I, the student should be able to:

- Describe accurately the structure, function and biological chemistry of all the cells, tissues and organs of the human body;
- Identify both macroscopically and microscopically the tissues and organs of the body;
- Discuss the relations of tissues and organs to each other;
- Explain the metabolic and physiologic interactions occurring in tissues;
- Describe the relationship of man to his family, community, and environment;

- f. Perform with scientific instruments, under supervision, laboratory activities designed to enhance the retention of knowledge and to improve skills; and
- g. Demonstrate a full appreciation of the contribution of earlier and current scientific research in the health sciences.

Courses Offered

Year 2	Title	Lecture/Tutorial	Dissection/Practical
CLI 210	Human Anatomy	3	4 (720 hours)
CLI 220	Medical Biochemistry	2	6 (240 hours)
CLI 230	Physiology	2	6 (440 hours)

Year 3	Title	Lecture/Tutorial	Dissection/Practical
CLI 310	Human Anatomy	3	12 (720 hours)
CLI 320	Medical Biochemistry	2	3 (240 hours)
CLI 330	Physiology	2	13 (440 hours)
CLI 340	Biostatistics	2	(80 hours)
CLI 350	Introduction to Community Health	2	2 (144 hours)
CLI 360	Behavioural Sciences	1	1 (80 hours)

Year 4 (Professional Phase II)

The overall objective of the Phase II programme is to develop a student who, when presented with a patient, will be able to take a comprehensive and diagnostic clinical history, and perform appropriate physical examinations which would help the clinician arrive at a probable diagnosis. Moreover, the pathological basis of diseases would be taught. Although management of diseases would be taught to the students, they would not be examined in management aspects of disease during evaluation of the course at this stage of training. The emphasis will be in their ability to obtain comprehensive history, perform physical examination, make systemic diagnosis and understand the underlying pathophysiology. Moreover, students would be taught more detailed information on commonly used pharmacological agents, including their therapeutic benefits and side-effects. In addition to the lectures, students would be expected to rotate through the following clinical postings: Surgery, Medicine, Community Health

(Primary Health Care), Human Pathology and Clinical Pharmacology and Therapeutics. This phase is designed to last twelve months.

At the end of Phase II, the student should be able to function in the following areas:

Knowledge:

- a. Describe the normal structure, development and functions of the human body and mind;
- b. Describe the normal interaction between man, his social, biological, and physical environment; and
- c. Discuss the aberrations that could result in **a** and **b** above, due to disease entities commonly encountered in this country.

Skill:

- a. Take an informative but concise history on all types of medical and surgical cases;
- b. Examine the patient thoroughly with the use of simple bedside equipment;
- c. Record findings in a systematic and standardized way;
- d. Make a clinical diagnosis;
- e. Define the problems in the patient examined;
- f. Perform simple investigational procedures as adjunct to the total management of the patient;
- g. Observe and record the patient's response to treatment; and
- h. Practice some basic treatment skills.

Attitude:

- a. Be motivated to continue self education so as to maintain professional knowledge and competence;
- b. Maintain high standards of professional conduct; and
- c. Cooperate with other members of the health team as a member or as a leader.

Organization of Year 4 (Phase II) Programme

The above-stated objectives are achieved by organizing the education of the students in two parts:

1. Clinical postings in Medicine, Surgery, Community Health, Human Pathology, and Clinical Pharmacology and Therapeutics, to enable the acquisition of appropriate knowledge and skills through an apprenticeship scheme; and
- 2 (a) A series of integrated lectures on the various systems to provide learning experience for the acquisition of knowledge;
 - (b) Lectures, Demonstrations and Practical in Surgery, Medicine, Human Pathology, Community Health and Clinical Pharmacology and Therapeutics.

The time allocations to the various block postings are as follows:

Course Code	Title/Sub-titles	Duration
CLI 420	Introduction to the Principles of Medical Practice Medicine (Junior (Posting) Surgery (Junior Posting) Community Health: Primary Health Care Environmental Health	20 weeks 8 weeks 8 weeks 2 weeks 2 weeks
CLI 430	Human Pathology Morbid Anatomy Chemical Pathology Haematology, Immunology and Blood Banking Medical Microbiology and Parasitology	20 weeks 8 weeks 4 weeks 4 weeks 4 weeks
CLI 421	Clinical Pharmacology and Therapeutics	4 weeks
CLI 400	Integrated Lecture Series (400 – 419)	4 weeks Block Lectures

Lectures, Demonstrations and Practicals would additionally be arranged in the afternoon in the following:

General and Systemic Pathology	60	hours
Chemical Pathology	30	hours
Haematology, Immunology and Blood Banking	60	hours
Medical Microbiology and Parasitology	40	hours
Community Health (including Health Education, Nutrition, Epidemiology)	60	hours
Clinical Pharmacology and Therapeutics	30	hours
Principles of Nursing	20	hours

COURSES DESCRIPTION

CLI 210/310: Human Anatomy

These include the study of Gross and Microscopic Anatomy of the Human body; and related with the functions. A comparison and evolution of human structure is made with other vertebrates. The development of the human being is studied; lectures, demonstrations and practical are given and dissections are done. The First Professional Examination in Human Anatomy is held at the end of the Phase I of the M.B. Ch.B. degree programme.

CLI 220/320: Medical Biochemistry

These courses include organic chemistry and principles of molecular biology. These courses deal with the nature, metabolism and functions of the major chemical constituents of living matter, with special reference to changes taking place at the molecular level in living cells, particularly in the human body. There would be lectures, seminars, tutorials and laboratory practical. The First Professional Examination in Medical Biochemistry is held at the end of Phase I of the MB ChB degree programme.

CLI 230/330: Physiology

These include functions and integration of the various systems of the human body and the actions of drugs on such functions. Foundations of physiology and modern concepts of homeostasis and feedback control systems intended to provide proper foundation for the understanding of disease, with its concomitant abnormal physiology. The First Professional Examination in Physiology is held at the end of Phase I of the MB ChB degree programme.

CLI 240: Biostatistics

The course is intended to provide an understanding of numerical methods in medicine. Definition of statistical terms of notations, data collection and presentation, computer analysis, measures of central tendency, of dispersion, probability and conventional distributions, tests of hypothesis, correlation analysis, regression analysis, analysis of variance, vital and health statistics would be taught.

CLI 250: Introduction to Community Health.

The course introduces various aspects of Community Health, including series of lectures in medico-social problems, environmental health, and community mobilization in health and medical problems.

CLI 260: Behavioural Sciences

Lectures, demonstrations and practical would be on those aspects of the social sciences, particularly psychology, most relevant to human behaviour in health and disease. The subject areas include psychological development, the control of behaviour, personality development and structure, and interpersonal behaviour.

CLI 421: Clinical Pharmacology and Therapeutics

The course will include basic and clinical pharmacology and therapeutics. The pharmacokinetics and pharmaco-dynamics of drugs, toxicology and principles of therapy would be taught.

Students would also be taught drugs acting on various body systems, their therapeutic values and side-effects.

CLI 430: Human Pathology

The course consists of instructions (lectures, tutorials, demonstrations, practical) and postings in morbid anatomy, haematology and blood transfusion, medical microbiology and parasitology, and in chemical pathology. It covers general pathology and morbid anatomy of the various systems, post-mortem examination, the bacteriology and virology of infective diseases, parasitology and medical entomology, and the phenomenon of resistance and immunity. Instructions in haematology deal with the special pathology of the diseases of blood, and the diagnostic methods in their recognition. Application of biochemistry to clinical medicine would also be included.

CLI 400: Integrated Lecture Series (CLI 400-419)

Series of lectures and demonstrations aimed at reviewing the basic anatomy, physiology and biochemistry of body systems in health and disease. The scientific basis of clinical practice and various approaches to the management of various congenital, infective, metabolic, neoplastic, degenerative and traumatic disorders of the body systems will also be dealt with.

CLI 420: Introduction to the Principles of Medical Practice

The course is made up of Junior postings in Internal Medicine, Surgery, and in Primary Care and Environmental Health. Students will be taught the scientific basis of clinical practice, the art and science of collecting data-base, namely a clinical history and physical examination, diagnosis and management of medical and surgical problems including disease states commonly encountered in primary and secondary care centres. The students will be taught how to perform simple side laboratory tests, interpretation of laboratory and radiological investigations and the importance of healthy environment in the prevention of communicable diseases.

BACHELOR OF MEDICAL REHABILITATION (BMR) PROGRAMME

1. Examination Regulations for the BMR Degree Programme

General Examination Regulations

1. A minimum of 75% attendance in all courses (Theoretical and practical) is required for all candidates. A student shall only be allowed to sit for the final examination in a course, provided he has fulfilled the above requirements. A duly signed attendance sheet for the clinical by the course instructor/co-ordinator will be required prior to the final examination.
2. The examination shall be conducted as prescribed by Senate. Each student shall be examined in form of a theory paper of not less than three hours (3hours) duration, in addition to which there may be a practical examination and/or oral examination
3. At the 200 level, a candidate who fails to perform satisfactorily in CLI. 210, CLI. 230, CLI220 and MRH 203 (for PT Option) or MRH 205 (for OT Option) shall normally be asked to withdraw from the programme.
4. A candidate who fails to perform satisfactorily in any two CLI. 210, 230 and 220 shall normally be asked to repeat the year.
5. Any candidates who fails to perform satisfactorily in one of the four courses listed in 3 above shall normally have the option of taking the supplementary examination at the next available opportunity. However, if the candidates fail to perform satisfactorily at the supplementary (resit) examination, he shall be asked to repeat the year
6. A candidate who fails CLI 240, PSY 203 and SOC 201 shall be allowed to proceed to the next year, but shall not be allowed to graduate without passing them.

7. Students shall normally proceed to the clinical years only when they have passed all relevant courses of the pre-clinical years (i.e. 200 and 300 levels).
- 8.(a) Any candidates who fails in 1 or 2 courses at the end of the 4th year shall resit the courses at the next available opportunity. (Failure at the resit mean that the candidates shall repeat the year.)
 - (b) Any candidates who fails in more than 2 courses at the end of the 4th year shall repeat the year.
 - (c) Any candidates who fails Electrotherapy I (MRH 407) and Electrotherapy II (MRH 408) shall repeat the year.
9. Before a candidate can graduate he shall normally have passed all prescribed courses in the curriculum both inside and outside the Faculty.
10. The pass mark for all professional courses (Faculty courses) shall be 50. In addition, candidates must have a minimum of C (50%) in all practical and Clinical examination. A student cannot pass any professional course without a 50% score in the practical/clinical.
11. When for valid reasons (e.g., Medical) a student I unable to complete all the prescribed requirements for courses in which he I formally enrolled, he may on the recommendation of the Head of Department be awarded an incomplete grade (I). Such incomplete grade will normally be redeemed when the department certifies that all prescribed requirements have been satisfied.
12. Each professional year shall be weighted thus:

Part II (Professional Year I)	-	25%
Part III (Professional Year II)-		25%
Part IV (Professional Year III)	-	25%
Part V (Professional Year IV)-		25%) = 100%
13. The final award and the class of degree shall be based on the cumulative average obtained by each candidate in all prescribed courses starting from Part II.

14. A candidate who has satisfactorily completed all requirements shall be awarded professional degree s indicated below:

Mark range	Professional degree/grade
70% - 100%	= A - Pass with Distinction
60% - 69%	= B - Pass with Credit
50% - 59%	= C - Pass

Mode of Examinations

Each course shall be examined half way through and the end of the course. The total of 100% for all course shall be made up as follow;

- | | | | |
|--|---------------------------|---|-----|
| | Incourse Work | - | 40% |
| | End of Course Examination | - | 60% |
- i. Course having practical aspect shall be graded as follows;
- | | | | |
|--|------------------------------|---|-----|
| | in course Work – Theory 20%) | = | 40% |
| | (Practical 20%) | | |
- End of Course (Theory 30%)
(Practical 30%) = 60%
- ii. Course requiring oral examination in addition to above will be made up As follows:
- | | | | |
|--|----------------|-------------------|--------|
| | In-Course Work | (Theory = 20%) | |
| | | (Practical = 20%) | = 40% |
| | End of Course | (Theory = 30%) | |
| | | (Practical = 20%) | |
| | | (Oral = 10%) | = 60% |
| | Total | | = 100% |
- iii. Dissertation shall be graded as follows;
- | | | | |
|--|-----------------|---|------|
| | Project Content | = | 80% |
| | Oral | = | 20% |
| | | = | 100% |
- iv. Examination in PSY 203 (General Psychology) and SOC 210 (introduction to Sociology) shall be conducted in accordance with regulations of the respective departments.

2. Exit from the Programme

The exit programme is to provide guidance and support to students who are unable to continue with the BMR programmes either due to lack of interest or poor performance. A three-man committee of the Faculty will study the result of all BMR students from their first year through final year and provide guidance and support to those who are not coping academically. The committee will also facilitate the transfer of candidates who cannot cope from the Faculty to other Faculties in the University.

3. Transfer Within the University and Length of Stay in the University

Candidates who are advised to withdraw from the BMR degree program will be able to transfer to another department within the university, provided he/she fulfils the admission criteria to such a department. The duration of the degree program is 5 (five) years including the preliminary year. However, the maximum allowable duration for the BMR degree program is seven and half years, one and a half times the duration allowed for the programme.

4. Entry Requirements

The minimum requirements for admission to the Bachelor of Medical Rehabilitation programme are those for entry to the University. Candidates may be admitted:

- (i) Through the Joint Matriculation Examination (UME) entrance examination into Part I;
- (ii) Through the General Certificate Advanced Level or its equivalent qualification by direct entry into Part II.

Candidates seeking admission into Part I must satisfy the University minimum requirements of five credits at the Ordinary Level, which must include Mathematic, Physics, Biology, Chemistry and English Language.

For direct entry admission into Part II, in addition to the University minimum requirements for admission, candidates must possess Advanced Level in the General Certificate of Education or its equivalent. The qualifying subjects must include Pass in Biology, Physics, and one other Science subjects.

COURSE OUTLINE PART I

HARMATTAN SEMESTER		L	P	T	UNITS
CHM 101	Introductory Chemistry	3	1	3	4
CHM 103	Experimental Chemistry	0	0	3	1
ZOO 101	Introductory Zoology	3	0	0	3
ZOO 103	Experimental Zoology	0	0	1	1
PHY 105	Physics for Biological Sciences	3	1	0	4
PHY 107	Experimental Physics 1A	0	0	3	1
BOT 101	Introductory Botany	3	0	0	3
BOT 103	Experimental Botany 1	0	0	3	1
SSC 101	Man in his Social Environment	2	1	0	3
	Special Elective	-	-	-	<u>2</u>
TOTAL					<u><u>23</u></u>

RAIN SEMESTER		L	P	T	UNITS
CHM 102	Introductory Chemistry II	3	1	3	4
CHM 104	Experimental Chemistry II	0	0	3	1
BOT 102	Introductory Botany II	3	0	0	3
BOT 104	Experimental Botany II	0	0	3	1
PHY 106	Physics for Biological Sciences II	3	1	0	4
PHY 108	Experimental Physics 1B	0	0	3	1
SSC 102	Elements of Economic Principles and Theory	3	0	0	3
	Special Electives	-	-	-	<u>2</u>
TOTAL					<u><u>19</u></u>

A student will be allowed to proceed to Part II (or professional year) of the Bachelor of Medical Rehabilitation programme only when he has passed all the courses in the Part One.

PART II

HARMATTAN SEMESTER		L	P	T	UNITS
CLI 210	Human Anatomy	2	1	6	5
CLI 220	Medical Biochemistry	2	0	2	3
CLI 230	Physiology	2	0	4	3
MRH 201	Introduction to Medical Rehabilitation	2	0	1	2
SOC 201	Introduction to Sociology	2	1	0	3
PSY 203	Introduction to Psychology in the Context of African Environment	2	1	0	3

PT OPTION

MRH 203	Electrophysics I	2	0	4	3
---------	------------------	---	---	---	---

OT OPTION

MRH 205	Developmental Psychology	<u>2</u>	<u>1</u>	<u>0</u>	<u>3</u>
TOTAL FOR PT/OT					<u>22</u>

RAIN SEMESTER

		L	P	T	UNITS
CLI 201	Human Anatomy	2	1	6	5
CLI 220	Medical Biochemistry	2	0	2	3
CLI 230	Physiology	2	0	4	3
CLI 240	Biostatistics	2	0	2	3

PT OPTION

MRH 203	Electrophysics II	2	0	4	3
---------	-------------------	---	---	---	---

OT OPTION

MRH 205	Developmental Psychology	<u>2</u>	<u>1</u>	<u>0</u>	<u>3</u>
TOTAL FOR PT/OT					<u>17</u>

PART III HARMATTAN SEMESTER

(PHYSIOTHERAPY) (PT)		L	P	T	UNITS
MRH 301	Kinesiology in Medical Rehabilitation	2	0	4	3
CLI 310	Human Anatomy – (Head & Neck/Neuro	2	0	4	3
CLI 330	Pharmacology	2	0	4	3
CSC 201	Introduction to Computing	2	0	3	3
MRH 303	Medical Conditions Amenable to PT	4	0	8	6
MRH 305	Basic Procedures in PT	2	0	2	3
	Special Elective	-	-	-	<u>2</u>
TOTAL =					<u>23</u>

(OCCUPATIONAL THERAPY) (OT)		L	P	T	UNITS
MRH 301	Kinesiology in Medical Rehabilitation	2	0	4	3
CLI 310	Human Anatomy - Head and Neck/Neuro	2	0	4	3
CSC 201	Introduction to Computing	2	0	3	3
MRH 303	Medical Conditions Amenable to OT	4	0	8	6
MRH 307	Basic Procedure in OT	2	0	2	3
	Special Elective				<u>2</u>
TOTAL =					<u>22</u>

RAIN SEMESTER (PT)		L	P	T	UNITS
MRH 302	Pathokinesiology in Medical Rehabilitation	2	0	4	5
CLI 310	Human Anatomy	2	0	4	3
CLI 330	Pharmacology	2	0	4	3
MRH 304	Surgical Conditions Amenable to PT	4	0	8	6
MRH 308	Principles and Practice of Massage	1	0	4	2
MRH 312	Occupational Health and Safety	2	0	4	3
	Special Elective				<u>2</u>
TOTAL =					<u>22</u>

RAIN SEMESTER (PT)		L	P	T	UNITS
CLI 310	Human Anatomy (Head and Neck)	2	0	4	3
MRH 304	Surgical Condition Amenable to OT	4	0	8	6
MRH 310	Child Psychiatry	2	0	4	3
MRH 312	Occupational Health and Safety	2	0	4	3
	Special Elective				<u>2</u>
TOTAL =					<u>20</u>

PART IV

HARMATTAN SEMESTER (PT)		L	P	T	UNITS
NSC 331	Medical –Surgical Nursing	2	0	8	4
MRH 401	Exercise Therapy & Remedial Gymnastics I	2	0	4	3
MRH 403	Introductory Pathology	2	0	4	3
MRH 405	Research Methods in Medical Rehabilitation	2	0	4	3
MRH 407	Electrotherapy I	4	0	8	6
MRH 409	Clinical Work	<u>0</u>	<u>0</u>	<u>8</u>	<u>2</u>
TOTAL =					<u>21</u>

HARMATTAN SEMESTER (OT)		L	P	T	UNITS
NSC 331	Medical –Surgical Nursing	2	0	8	4
MRH 405	Exercise Therapy and Remedial Gymnastics I	2	0	4	3
MRH 411	Practical Work	0	0	8	2
MRH 413	Assessment in OT	2	0	4	3
MRH 415	Neuromuscular Integration	2	0	4	3
MRH 417	Assistive Devices	<u>4</u>	<u>0</u>	<u>8</u>	<u>6</u>
TOTAL =					<u>21</u>

RAIN SEMESTER (PT)		L	P	T	UNITS
MRH 402	Manipulative Therapy	2	0	4	3
MRH 404	Prosthetics and Orthotics	2	0	4	3
MRH 406	Hydrotherapy	2	0	4	3
MRH 408	Electrotherapy II	4	0	8	6
MRH 410	Clinical Work	0	0	8	2
MRH 414	Exercise Therapy and Remedial Gymnastics I	<u>0</u>	<u>0</u>	<u>8</u>	<u>2</u>
TOTAL =					<u>21</u>

RAIN SEMESTER (OT)		L	P	T	UNITS
MRH 404	Prosthetics and Orthotics	2	0	4	3
MRH 412	Clinical Work	0	0	8	3
MRH 416	Neuromuscular Integration II	2	0	4	3
MRH 418	Methods in OT	2	0	4	3
MRH 420	Assistive Devices II	4	0	8	6
CLI 508	Mental Health	<u>2</u>	<u>0</u>	<u>4</u>	<u>3</u>
TOTAL =					<u>21</u>

PART V

HARMATTAN SEMESTER (PT)

	L	P	T	UNITS
NSC 340 Nutrition in Health and Diseases	2	0	3	3
MRH 501 Clinical Work in PT	0	0	0	5
MRH 505 Special Topics Seminar in Rehabilitation	0	3	4	5
MRH 507 Community Physiotherapy	3	1	4	5
MRH 511 Communication Skills and Ethics	<u>3</u>	<u>0</u>	<u>0</u>	<u>2</u>
TOTAL =				<u>20</u>

HARMATTAN SEMESTER (OT)

	L	P	T	UNITS
NSC 340 Nutrition in Health and Diseases	2	0	3	3
MRH 503 Clinical Work in OT	0	0	0	5
MRH 505 Special Topics Seminar in Rehabilitation	0	2	4	3
MRH 509 Community Occupational therapy	3	1	4	5
MRH 511 Communication Skills and Ethics	<u>3</u>	<u>0</u>	<u>0</u>	<u>2</u>
TOTAL =				<u>18</u>

RAIN SEMESTER (PT)

	L	P	T	UNITS
MRH 502 Rehabilitation and Functional Training	3	0	4	4
NSC 350 Environmental Health	2	0	2	3
MRH 504 Dissertation	0	0	0	5
MRH 506 Clinical Work in PT				<u>5</u>
TOTAL =				<u>17</u>

RAIN SEMESTER (OT)

	L	P	T	UNITS
MRH 502 Rehabilitation and Functional Training	3	0	4	4
NSC 350 Environmental Health	2	0	2	3
MRH 504 Dissertation	0	0	0	5
MRH 506 Clinical Work in OT				<u>5</u>
TOTAL =				<u>17</u>

COURSES DESCRIPTION

Part I courses are University courses and their descriptions are contained in the brochures of the departments where they are taught. In Parts II and III, students shall undertake Faculty courses of Anatomy (CLI 210, CLI 310), Biochemistry (CLI 220) and Physiology (CLI 220) Pharmacology (CLI 330) and be graded as other students undertaking the courses.

CLI 210: Human Anatomy – 2 4 0 (3 units)

This course includes basic and gross anatomy of the normal human body. The gross anatomy consists of structural organization of the human body from the cell to the systems and will emphasize the parameters of normal structure in correlation with functions. Normal structural relationships in human body, variations and congenital malformations shall be emphasized. The evolution, differentiation and development of the organ systems shall be discussed.

CLI 220: Medical Biochemistry 2 0 2 (3 units)

Atomic and molecular structure (isotopes in Biochemistry) states of matter, water and solutions. All Base relationships; Electrolytes, pH and buffers; Biochemical energetic to include redox potential cell and respiration. Biochemical composition of bone, equilibria, enzymes, kinetics, photometry, cell structure (biochemical point of view). Carbohydrate classification, chemistry and metabolism. Alternative pathway for glucose metabolism. Lipids: Classification and metabolism Aminoacids, Classification and chemistry Protein: Classification and properties. Metabolic biosynthesis, cellular and molecular biology of muscle nucle acid and component. Chemistry and biosynthesis. Genes regulation, vitamins and coenzymes. Election transport and oxidation phosphoriation, metabolic regulation, hormones, cellular and molecular neurotransmitters and synaptic responses.

CLI 230: Physiology 2 0 3 (3 units)

The functions and integration of the various systems of the human body the cardiovascular, digestive, nervous, respiratory, renal and reproductive systems; modern concepts of homeostasis and feedback control system; exercise physiology. Presentations are intended to provide a proper foundation for the understanding of disease, with its concomitant abnormal physiology.

CLI 240: Biostatistics 2 0 2 (3 units)

This course is intended to provide an understanding of numerical methods in biomedicine, definition of statistical terms and notations, data collection and presentation, measures of central tendency of dispersion, probability and distributions, test of hypothesis; correlation analysis, regression analysis, analysis of variance.

MRH 203: Electrophysics I 2 0 4 (3 units)

Structure of matter, property of matter, energy and its transformation. Energy and its definitions, mechanical energy, conductor-insulator. Static electricity, condensers, current electricity, conduction of electricity through electrolytes. Conduction in semi-conductors. Magnetic energy. Production of electricity.

Principles and application of E.M.F. to Choke coil, transformer
Regulation of induced currents:

MRH 203: Electrophysics II 2 0 4 (3 units)

Rectification of A/C; Thermal energy; Transmission of heat; Conduction, Convection and Radiation Electromagnetic waves, Radiant energy; Grothus law; Cosine law; Inverse square law; Sonic energy; nature and properties of sound wave. Nature, effects and principles of production of direct current, muscle stimulating currents; modification of currents; Reverse,

interrupt, surge mechanical, manual electronic multivibration circuit. High frequency current basic circuit.

SOC 201: I introduction to Sociology 2 1 0 (3units)

Sociology as social sciences, the birth of sociology, founding fathers and its history. The sociological perspective of society, social interaction and social relations on elementary forms of social life. Groups normative system and culture, social institutional and complex organization.

MRH 201: Introduction to Medical Rehabilitation 2 0 1 (3units)

History of occupational and physical therapy. The concept of medical rehabilitation its role within the health team and in dealing with illness. Aims and method of treatment; theoretical perspectives and models for practice; identification of the other member of the rehabilitation team and the mode of interaction between them and the physical/occupational therapist. Discussion of the various clinical settings and selected clinical experiences provided in community health agencies. Discussion on objectives of the Bachelor of Medical Rehabilitation degree programme. This is a Faculty course open to Medical, Dental and Nursing students.

**MRH 205: Developmental Psychology 1/11 2 1 0 (3unit)
Dev. Psychology is 6 units)**

This course will cover major theoretical issues and developmental tasks in infancy, child-hood, adolescence, adulthood and old age. The contents shall include:

- (i) Introduction: Methods of children and ethical issues involved in research and historical perspective.
- (ii) Infancy: Genetic and prenatal factors in development. Development in the first year of life, Transition to Childhood (year 2-3)

- (iii) Childhood Years: Language and Communication Cognitive Development.
- (iv) Intelligence: achievement, socio-emotional and personal development
- (v) Adolescence: Definition, Development AND TASKS Problems.
- (vi) The are of adult development: Marriage and Family; Parent-hood; Singlenes; Work and Leisure
- (vii) Early adult hood (20s to 30s): Definition, Development tasks and Aspects/
- (viii) Middle Adult hood: Definition: Development Tasks and Aspects.
- (ix) Late Adulthood and Old age: General Perspective; Definitions, Stereotypes and Myths, Modes and theories of aging, life tasks and Aspect of Development Changing roles and life styles; Stress Death, Disease, Bereavement and Assets.

**MRH 301: Kinesiology in Medical Rehabilitation 2 0 4
(3unit)**

Review of muscle attachments and muscle action. Nerve supply and neurological control of movements. Location of the centers of gravity of the body. Biomechanics of human motion. Fundamental starting positions/postures. Resolution of forces. Roles of muscle action. Types of body movements and uses. Introduction to electromyography studies. Analyses of normal and abnormal human locomotion; analyses of motor skills.

**MRH 302 Pathokinesiology in Medical Rehabilitation 2 0 4
(3units)**

Introduction of Pathokinesiology; Types of Disordered movements. Application kinesiological principles in the treatment and restoration of disordered movements. Application of kinesiological Principles of learning, therapeutic and prophylactic aspects of physical activity. Hydrotherapy and

Pathokinesiology. Techniques of Proprioceptive Neuromuscular Facilitation (PNF).

MRH 303: Medical Condition Amenable to PT and OT 4 0 8 (6units)

This course includes lectures on the disease of the cardio respiratory systems, neuromuscular disease, rheumatic disease and collagen disease, physical evaluation of patient with cardiopulmonary. Basic ECG, graded exercise testing, exercise and other physiotherapeutic prescriptions and supervision will be covered.

MRH 305: Basic Procedures in Physical Therapy 2 0 4 (3unit)

This course includes aids to daily living (ADL) goniometry, Vital signs measurement, Manual Muscle testing, tensiometry and dynamometry. The general principles underlying treatment in orthopaedic neurologic, gynaecology, obstetric conditions and rehabilitation in general will also be covered.

MRH 307: Basic Procedures in Occupational Therapy 2 0 4 (3units)

The general principles underlying treatment in orthopaedic condition, neurologic, gynaecologic /obstetric condition and rehabilitation in general.

MRH 304: Surgical Conditions Amenable to PT and OT 4 0 8 (6 units)

Parts played by physical therapy in the prevention of complications and treatment of complications concomitant with surgical procedures will be covered. Specially complications on orthopaedic surgery, abdominal surgery, gynecological surgery, surgery of the breast, surgery of the ear, nose and throat, thoracic surgery and surgical neurology, soft tissue injuries and fracture management will also be covered in this course.

CLI 310: Human Anatomy (head and neck) 2 0 4 (3units)

This course is a continuation of gross anatomy of the human body, started from Part II. However, more emphasis is now placed on the Head and Neck in relation to the rest of the human body

CLI 330: Pharmacology 2 0 2 (3units)

This is a Pharmacology course which introduces the student to the basic principles of drug action, the current major therapeutic drug and their action on cells, tissues and the various organ systems; fate of drugs, site of action; mechanism of drug action and toxicity.

CSC 201: Introduction to Computing 3 0 3 (3nits)

Details of course contents to be supplied later by the Computer Sciences Department.

MRH 306: Organization and Administrative of Occupational Therapy Department 2 0 4 (3units)

Principles of organization; organizational structures; Principles of administration Structure of an Occupational Therapy Department, Size. Personnel., physical supplies and equipment; Administrative Records and Reports

MRH 308: Principles and Practice of Massage 1 0 4 (2uints (PT OPTION)

History; Physiological effects of massage; indications and contra-indication; Techniques of Massage-Petrissage; Friction; vibration, Effleurage, Tapotement, Stroking the Place o Massage today in Physical Therapy .

MRH 310: Child Psychiatry 2 0 4 (3 units)

This course will cover an introduction to the philosophy of Psychiatric Occupational Therapy, Frames of Reference of Psychosocial Dysfunction, Occupational Therapy. Evaluation Process for Psychosocial Dysfunction in such topics as:

- (i) Emotionally disturbed
- (ii) Abused children
- (iii) Juvenile delinquent
- (iv) Conduct disorder,
- (v) Psychotic; drug abuse;

Mental retardation will also be covered under the following heading- Service Delivery, Techniques, Parental Concern and Therapeutic issues.

MRH 312: Occupational Health and Safety 2 0 2 (3units)

Basic definitions, philosophy, aims and objectives of occupational health and safety; History of occupational, organization and management of occupational health in newly industrializing countries; occupational health and safety legislation; occupational health services.

MRH 401- Exercise Therapy and Remedial Gymnastics 1 2 0 4 (3 units)(PT)

General introduction to exercise, general values of exercises (Physiological and therapeutic) aims of exercise therapy; ways and means of stimulating interest in therapeutic exercises; mechanics of motion; general mechanical principles of human motion e.g. axis and planes, lever and leverages; type of muscle work angle of pull of a muscle, range of joint motion, laws of motion, friction, etc, Mechanics of position equilibrium, base of support, fixation, line of gravity, center of gravity.

Terminology in Exercise Therapy; e.g., flexion, abduction etc, and surface marking of these joints, starting positions. Exercise and group work for specific conditions

NSC 331: Medical-Surgical Nursing 2 0 8 (4units)

Students undergo a series of lectures and demonstrations on the principles of nursing and spend some time in the Wards observing ward routine and assisting in patient care.

MRH 403- Introduction to Pathology 2 0 4 (3units)

Introduction to general pathology, Changes in inflammation; Suppuration. Abscess formation. Effective on tissue. Repair of tissues. Factors on which rate of repair depends.

Physiotherapy in relation to repair, degeneration. Changes in circulation; Anaemia and hpermia. Oedema; formation and drainage of tissue fluid. Mechanism of development of oedema.

MRH 402: Manipulative Therapy 2 0 4 (3units)

Review of Biomechanics of the Spine and Limbs; Spinal and Limbs examination. Techniques and application of axial and peripheral manual treatment, objective assessment, indications and contra-indications for Manual Therapy.

MRH 404: Prosthetic and Orthotics 2 0 4 (3 units)

Definition of terms., introduction to the theory of the use of prosthetics and orthotics; Types of prosthetic and orthotic devices. Fitting biomechanics. Amputation –types, principles of upper and lower extremes, Bracing, bracing in paralytic dysfunctions, structural insufficiency. Materials used in bracing; Myoelectric systems, Analysis of techniques and method to adapt devices and the environment to increase independent living abilities of disabled persons.

MRH 405- Research Methodology in Physical and Occupational Therapy 2 0 4 – (3units)

Introduction to design of research appropriate to medical rehabilitation; Effects of research on presents practice and future development of physical and occupational therapy; Relaiilty and validity; planning and experimental design; Scientific weighing skills; Evaluation of experimental research study. Data collection, organization and presentation; measures of central tendency of dispersion, probability and conventional distribution, test of hypothesis (t-test), chi-square; correlation co-efficient computation. Regression analysis and analysis of

variance and basic information processing, editing and data analysis with computer.

MRH 406- Hydrotherapy (PT Option) – 2 0 4 (3units).

Principles of hydrotherapy, Physical properties of water. Theory of exercise in water, Methods of application of Hydrotherapy – Underwater, Hot packs whirlpool cold baths. Cryotherapy, indications, contra-indications. Contrast bath; indications and contra- indication.

MRH 407- Electrotherapy I 4 0 8 (6units)

Lectures covering all electrical agents used in Physiotherapy; review of basic physical and physiological principles. Techniques of application, indications and contra-indication, lecture and clinical practice in various techniques.

MRH 409/MRH 411- Clinical Work in PT/OT) 0 0 8 (2units)

Students are introduced to patients' evaluation/assessment, mechanical and functional diagnosis. Under supervision, they are given opportunity to plan treatment programmes and carry out treatment on patients.

MRH 413- Assessment in O.T. (O.T. Option) 2 0 4 (3 units)

Medical examination and Nutritional status; Criteria for the development and functional diagnosis. Under supervision, they are given opportunity to plan treatment programme and carry out treatment on patients.

MRH 413- Assessment in O.T. (O.T. Option) 2 0 4 (3uint)

Medical examination and Nutritional status; Criteria for the development and Selection of tests, Validity, Reliability, Economy, Standards, Tests, Scales and inventory Motor-test, Development Test. Movement skill tests

MRH 408- Electrotherapy II 4 0 8 (6units)

This course keep student abreast of fast-paced changes and new development in the world of Electrotherapy; Current developments in Pain Management (e.g. Electroacupuncture etc.) Electrostimulation for muscular strength, and hypertrophy, etc. Wound healing (iontophoresis etc.) in orthopaedic (e.g. bone healing) and functional electrical stimulation. TENS Electrodiagnosis in Physiotherapy

MRH 410, 412: Clinical Work in P.T./O.T- 0 0 8 (2units)

Patient/student contact. The use of principles learnt in the classrooms and during practical sessions under supervision of a licensed therapist. The student will be expected to keep a logbook and to insert in it, his in-patient activities. He will also be expected to write out records of evaluation and treatment a moderated by the supervising therapist.

MRH 414, Exercise Therapy and Remedial Gymnastic II 2 0 4 (3units)

Movements and derivatives. Breathing exercises, Re-education in walking types of gait etc. Routine exercises for immobilized limbs. Postures and posture corrections. Lifting techniques, Traction and their uses. Exercises for certain conditions (Vertigo, peripheral circular defects etc), . Re-education of co-ordination Exercises with apparatus, General exercise for recent chronic injuries. Re-education for movement peripheral nerve injuries. Re-education of posture. Relaxation, class teaching functional re-education on mat's Groups therapy and patient management. Methods of strengthening muscles. Pre- and post-natal exercises. Physical fitness.

MRH 416: Neuromuscular Integration II (O.T. Option) 2 0 4 (3unit)

Control of sensory stimulation. Role of purposeful movement in neuromuscular training. Patients evaluation and treatment planning.

MRH 418; Methods in Occupational Therapy (O.T. Option) 2 0 4 (3units)

Basis for therapeutic methods in locomotion development; therapeutic methods in neuromuscular development condition; interpersonal relationship, Resettlement methods – provision of aids, home visits, follow-up, Daily activities of work, job analysis, work visits.

MRH 417: Assistive Devices I (O.T. Option) 4 0 8 (6units)

This course prepares students for the theory of model; design and construction of splints for prevention of potential deformities; introduction to types of splints, Rigid functional or dynamic. Measurements of patient for splints

MRH 420: Assistive Devices II 4 0 8 (6units)

Modeling and Fabrication of splint: Care of the splints; prevocational training for the physically handicapped and mental patient. Assessment for job relocation. Fabrication of assistive devices.

CLI 508: Mental Health 2 0 4 (3units)

This course provided learning experiences for student in the clinical care of patients with psychiatric and psychological problems. Knowledge clinical skills, and professional attitude will be the minimum level of expertise expected from the students on qualifying as therapist. Thus the student is expected to learn enough to equip him to function satisfactorily. Caring for mentally ill patient in the type of setting he will most likely be regarded to serve in Nigeria (i.e. primary and secondary level types of health care delivery institution) in the early stages of his career, and which he can build in order to improve himself professionally and academically.

NSC 340: Nutrition in Health and Disease 203 (3units)

The course discusses the historical perspective of nutrition as a science. The nutritional values of food and it effects on health

are empathized. Food processing, presentation, preparation and diet therapy are studied to enable the student provide well balanced diets to client and patients. Historical perspectives; nutrition; Relationship of digestion and absorption of food; Nutrition Quality of local foods and diets, selection and formation of balanced and weaning diet; use of foods and diet; selection and formation of balanced and weaning diets; use of food composition tablets; Nutrition requirements and recommended daily calorie requirement; Food in relation to the life cycles. Diabetics and diets in illness.

MRH 506/MRH 508: Clinical Work in PT and OT 0 0 1 6 (4units)

Students are given the opportunity to evaluate patient, plan treatment programmes and carry out the treatment of patients in approval hospitals.

MRH 505: Special Topics Seminar in Medical Rehabilitation 0 2 4 (3units)

Consideration of current trends and issues in the area of allied health profession; Group discussions relating to philosophy of methods of treatment in rehabilitation. Examination of problem and issues in rehabilitation; ethnics, communication skills; administrative topics in rehabilitation. Each student will be responsible for selection of this topic and appropriate reading for presentation.

MRH 507/MRH 509: Community Physical/Occupational Therapy 3 1 2 (5units)

Community practice. All aspect of primary health care as related to Physical/occupational therapy. Home visits and first contacts at the primary level. Medical rehabilitation practice at the primary or community level .

MRH 502: Rehabilitation and Functional Training 4 0 8 (6 units)

Functional assessment and activities of daily Living; uses of various prosthetics and orthotics, application of plaster of Paris Occupational therapy . Speech therapy. Medical social worker and vocational rehabilitation.

NSC 350-Environmental Health – 3 0 4 (3uint)

A descriptive ecological concept in relation to components of the environment (physical, biological and social). Man's interaction with environment adaptation balance and change; Human organization and system will be discussed. The student will be equipped with the knowledge of traditional and modern health systems, description of human population, behavioral concepts in public health; classification of health behaviours and practices.

MRH 504: Dissertation (5uints)

Each student will be guided by a supervisor. The choice of a project will be in an area in which the students is interested. This will lead to a dissertation, which will be presented for assessment during the final examination.

MRH 506: Clinical: Work in PT (5 units)

Students are given the opportunity to evaluate patients, plan treatment programmes and carry out the treatment of patients under supervision

MRH 508: Clinical Work in OT (5 units)

Students are given the opportunity to evaluate patients, plan treatment programme and assist the patient to adapt to the need of vocation where necessary.

MRH 517: Communication Skill and Ethics 2 0 0 (2units)

Definition of different supervisory styles; organizational communication pattern of work goal, directed, passive;

complaint, aggressive; hostile, communication procedure- role clarity performance review, feedback mechanism; small group communication, one-to-one communication; Resolution of interpersonal conflict through systematic procedure. Team work within the health delivery system. Basic ethical issues such as euthanasia, abortion and right of life etc .

Compulsory Special Electives

Course Code	Units	Course Title
SER 001	4	Use of English
SEG 001	2	Agriculture & Human Survival
SEE 002	2	Indigenous Education in Nigeria
SET 002	2	Technology and Society II
SEM 001	2	Fundamental of Building and Design for Human Habitation
SEO 002	2	Man and Its Environment
CSC 221	2	Computer Appreciation

CLINICAL AFFILIATION SCHEME

Students in their 4th year will partake in Clinical Affiliation Scheme for a period of 6 weeks during the holiday in a suitable hospital such as:

1. National Orthopedics Hospital, Lagos
2. Lagos University Teaching Hospital, Lagos
3. Adeoyo State Hospital, Ibadan
4. Ring Road Rehabilitation Center, Ibadan
5. University College Hospital, Ibadan
6. Wesley Hospital Ilesa
7. General Hospital, Ilesa
8. Seventh – Day Adventist Hospital, Ile-Ife
9. Obafemi Awolowo University Teaching Hospitals Complex, Ile-Ife
10. National Orthopedic Hospital, Enugu
11. National Orthopedics Hospital, Kano

12. University of Nigeria Teaching Hospital, Enugu
13. University of Benin Teaching Hospital, Benin-City
14. University of Calabar Teaching Hospital, Calabar
15. University of Ilorin Teaching Hospital, Ilorin
16. State Hospital, Akure
17. State Hospital, Abeokuta, Ogun State
18. General Hospital, Owerri
19. Ogun State University Teaching Hospital, Shagamu

Students will be expected to complete a logbook, which will be taken rated by the supervising clinician at the end of the scheme. The grading will be 10% of the in-course mark for the succeeding year.

BACHELOR OF NURSING SCIENCE (B.N.Sc.) PROGRAMME

1. Examination Regulations for the B.N.Sc. Degree Programme

General Examination Regulations

In addition to the general University Regulations, the following shall apply to the B.N.Sc. Programme.

1. All students are expected to compulsorily participate in the concentrated clinical postings and laboratory practical for a period of six weeks at the end of each session to improve their competency
2. There shall be a final examination in each course at the end of each semester. Each course final examination shall be conducted on completion of the course and in accordance with the University Examination Regulations.
3. A student shall only be allowed to sit for an end of semester examination in a course on the condition that he has attended at least 75 percent of classes and laboratory practical and 100 percent clinical experiences and, completed all assignments.

Mode and Weighting of Examinations

Part I

- i. The pass mark for courses in Part I shall be 40% as applicable to University grading system

Parts II – V

- i. The pass mark for courses in Parts II - V shall be 50% except for courses outside the College of Health Sciences which is 40%
- ii. The clinical years for nursing students are Parts III to V. Therefore, students shall not be allowed to carry over courses from Part II to III and neither will they be

allowed to carry over any course in the clinical years. This is because, all courses in the previous year are pre-requisites to the courses in the following year. In addition, nursing students are posted to clinical sites which may be in and outside Ile-Ife. The students shall also undergo shift duties during these years.

- iii. The students in Parts II-V are given the opportunity to resit not more than 3 papers at the end of a session. Students who fails more than 3 papers at the end of each session or fails resit examination(s) will “repeat the year” by retaking only failed courses in a subsequent session. Such candidate will be permitted to register for less than 15 units if he/she could not get enough electives to make up 15 units,
- iv. The grade for each course in the resit examination or repeat year if passed shall be used to replace the failed scores.
- v. Any student who fails any course in the repeat year shall not be entitled to resit examination but shall withdraw from the programme
- vi. A student may not spend more than 15 semesters in the programme according to the university regulation.
- vii. Assessment in each of the courses shall comprise both course work and end of semester examination. The total of 100% for all courses shall be made up as follows:

i. Courses having practical aspect shall be graded as follow:

In-course –	30%	}	100%
End of course	(Theory 40%)		
	(Practical/Oral 30%)	}	70%

In-course could be in form of assignment, term paper or written examination

ii. Course requiring oral examination in addition to the above will be made up as follows:

In-course –	30%	
End of course	(Theory 40%)	}
	(Practical/Oral 30%)	70%
		}
		100%

iii. Examination Format -

One Theory Paper- 3 hours

Essay –	60%	
Objective –	40%	}
		100%

NSC 452	In course-	20%	
	Examination –	40%	}
	Teaching Practice-	40%	100%

NSC 541(Special Topic Seminar)

One Theory paper (3 hrs)	= 40%	
Seminar Presentation	= 60%	}
		100%

NSC 542 - Research Project - 100%

i) Practical Courses

- Laboratory Attendance and participation	– 10%	
- Attendance at clinical sites	– 20%	}
- Assignment/Procedure scoring	– 20%	}
- Practical Examination	– 50%	}
		100%

GRADUATION REQUIREMENTS

For any candidate to graduate from the programme, he or she must have completed not less than 190 Units of course load, plus 12 units of University electives. The candidate must have passed the Final Qualifying Examination for General Nurses organised by the Nursing and Midwifery Council of Nigeria.

LEVEL OF PERFORMANCE

A candidate shall be recorded as having attained in a course, a level of achievement grade as follows:

PART I

A = Excellent	– 70-100%
B = Very good	– 60-69%
C = Good	– 50-59%
D = Satisfactory	- 45-49%
E = Adequate	– 40-44%
F = Failure	– Below 40%

PART II-V

A = Excellent	– 70-100%
B = Very good	– 60-69%
C = Good	– 50-59%
F = Failure	- < 50%

The overall performance of each of the students during an entire session shall be determined by means of weighted grade point average, obtained by awarding credit points in respect of each course on the basis of the unit value of the course multiplied by the numerical value of the grade obtained such that

PART I

A = 5 Credit Points per Unit
B = 4 Credit points per Unit
C = 3 Credit Points per Unit
D = 2 Credit Points per Unit
E = 1 Credit Point per Unit
F = 0 Credit Point per unit

PART II -V

A = 5 Credit Points per Unit
B = 4 Credit points per Unit
C = 3 Credit Points per Unit

AWARD OF DEGREE

The degree shall be awarded to candidates who have satisfactorily completed all requirements for the degree of Bachelor of Nursing Science and have also complied with the general regulations of the University and the additional requirements of the BNSc Degree Programme. The following grades of degree will be applied to the result as:

A - 70% - 100% - Pass with Distinction (First Class)

B - 60% - 69% - Pass with Credit (Second Class Upper Division)

C - 50% - 59% - Pass (Second Class Lower Division)

2. Exit from the Programme

The exit programme is to provide guidance and support to students who are unable to continue with the B.N.Sc. programmes either due to lack of interest or poor performance. A three-man committee of the Faculty will study the result of all B.N.Sc. students from their first year through final year and provide guidance and support to those who are not coping academically. The committee will also facilitate the transfer of candidates who cannot cope from the Faculty to other Faculties in the University.

3. Transfer Within the University and Length of Stay in the University

Candidates who are advised to withdraw from the B.N.Sc. degree program will be able to transfer to another department within the university, provided he/she fulfils the admission criteria to such a department. The duration of the degree program is 5 (five) years including the preliminary year. However, the maximum allowable duration for the B.N.Sc. degree program is seven and half years, one and a half times the duration allowed for the programme .

4. Entry Requirements

A. Admission into Part I BNSc Programme:

Candidates may be considered for admission to Part I BNSc degree programme after passing the University Matriculation Examination (UME) of the Joint Admission and Matriculation Board (JAMB) and the university screening examination or any other examination as prescribed by the university authority. They are also to obtain a pass in the Senior Secondary School Certificate Examination of the West African Examination Council (WAEC) or National Examination Council (NECO) or its approved equivalent at Credit Level in at least five subjects including English Language, Mathematics, Chemistry, Biology and Physics in not more than two sittings.

B. Admission into Part II BNSc. Programme (Direct Entry):

- (1) Candidates for admission into Part II BNSc programme by direct entry are those exempted from the Part I BNSc courses and are in the following categories.
 - i. Candidates who have satisfied the Senior Secondary School Certificate for admission into this university (i.e. five credit passes as stated in ‘A’ above, and who in addition obtain passes in at least three science subjects (with aggregate score not below 10) including Biology/Zoology, Chemistry and Physics at the Advanced General Certificate of Education or at any other equivalent examinations approved by the Senate of the Obafemi Awolowo University.
 - ii. Candidates who are holders of the Registered Nurse (RN) or Registered Midwife (RM) Certificates of the Nursing and Midwifery Council of Nigeria, or its equivalent as approved by the Senate of the Obafemi Awolowo University who have passed at the required credit level in the Senior School Certificate Examination of WAEC or NECO as stated in ‘A’ above.
 - iii Candidates who have successfully completed a B.Sc. degree course in any biological science-based programme in this or

any other University, with a minimum of Second Class Lower Division may be considered for admission into the BNSc degree but must have passed at the required credit level in the Senior School Certificate Examination of WAEC or NECO as stated in (A).

iv. It is compulsory that all candidates for direct entry must satisfy the condition in A above

(2) Transfer from other Faculties of this university or other Universities

(i) Candidates who have passed the SSCE as stated in ‘A’ above and is willing to transfer from a science-based programme in this university must have a CGPA of not less than 3.5. Such candidate who may be admitted into part II BNSc programme must have passed all the required courses for Part 1 BNSc Programme.

(ii) Candidate can only transfer into Part II BNSc programme from NUC accredited university within and outside Nigeria after satisfying the requirements in A and 2(i) above.

COURSE OUTLINE

Part I

	HARMATTAN SEMESTER	L	T	P	U
ZOO 101	Introduction to Zoology	3	0	0	3
ZOO 103	Experimental Zoology I	0	0	3	1
CHM 101	Introductory Chemistry I	3	1	0	4
CHM 103	Experimental Chemistry I	0	0	3	1
PHY 105	Physics for Biological Sciences I	3	1	0	4
PHY 107	Experimental Physics IA	0	0	3	1
BOT 101	Introductory Botany I	2	1	0	3
BOT 103	Experimental Botany 1	0	0	3	1
MTH 105	Maths for Biological Science	3	1	0	4
Total					22

	RAIN SEMESTER				
BOT 102	Introductory Botany II	2	1	0	3
BOT 104	Experimental Botany II	0	0	3	1
CHM 102	Introductory Chemistry II	3	1	0	4
CHM 104	Experimental Chemistry II	0	0	3	1
SSC 102	Man and the Economic Environment	2	1	0	3
SSC 104	Governance of Man	2	1	0	3
SER 001	Use of English	4	0	0	2
Total					19

Part II

	HARMATTAN SEMESTER	L	T	P	U
NSC 201	Foundations of Professional Nursing Practice I	2	0	4	3
CLI 213	Human Anatomy I	2	0	4	3
CLI 215	Human Anatomy II	2	0	4	3
CLI 217	Physiological and Pathological Chemistry I	2	0	4	3
CLI 219	Human Physiology I	2	0	4	3
CLI 221	Human Physiology II	2	0	4	3
Total					18
	RAIN SEMESTER				
NSC 202	Foundations of Professional Nursing Practice II	2	0	4	3
CLI 214	Human Anatomy III	2	0	4	3
CLI 216	Human Anatomy IV	2	0	4	3
CLI 218	Physiological and Pathological Chemistry II	2	0	4	3
CLI 220	Human Physiology III	2	0	4	3
CLI 222	Human Physiology IV	2	0	4	3
Total					18

Pre Part III

Concentrated Laboratory and Clinical Practice

Foundations of Professional Nursing Practice II Posting - 6 weeks

PART III

	HARMATTAN SEMESTER	L	T	P	U
NSC 301	Community and Public Health Nursing I	2	1	0	3
NSC 303	Health & Physical Assessment in Nursing	1	0	4	2
NSC 305	Medical-Surgical Nursing I	3	0	4	4
NSC 307	Psychology as Applied to Nursing	2	0	0	2
CLI 301	Clinical Pharmacology and Drug Management in Nursing Practice I	2	1	0	3
CLI 271	Medical Microbiology & Parasitology	1	0	4	2
SOC 201	Introduction to Sociology I	2	1	0	3
E VH 309	Environmental Health	1	0	4	2
CSC 221	Computer Appreciation	2	0	0	2
Total					23
	RAIN SEMESTER				
NSC 302	Community and Public Health Nursing II	2	1	0	3
NSC 304	Community and Public Health Nursing II Practicum	0	0	4	1
NSC 306	Medical-Surgical Nursing II	3	1	4	5
NSC 308	Introduction to Epidemiology	2	0	0	2
CLI 302	Clinical Pharmacology and Drug Management in Nursing Practice II	2	1	0	3
SOC 202	Introduction to Sociology II	2	1	0	3
PHL 210	Medical Ethics	2	1	0	3
CLI 352	Histopathology & Forensic Medicine	1	0	4	2
	Total				22

Indexing of Students for the First Professional Examination with Nursing and Midwifery Council of Nigeria.

Pre Part IV**Concentrated Laboratory and Clinical Practice (8 weeks)**

Medical-Surgical Nursing - 6 weeks

Community and Public Health Nursing – 2 weeks

Part IV

	HARMATTAN SEMESTER	L	T	P	U
NSC 401	Introduction to Biostatistics	2	1	0	3
NSC 405	Research Methods in Nursing	2	1	0	3
NSC 407	Advanced Medical-Surgical Nursing I	3	1	0	4
NSC 409	Advanced Medical Surgical Nursing I Practicum	0	0	8	2
NSC 411	Mental Health and Psychiatric Nursing	2	0	4	3
NSC 415	Advanced Medical Surgical Nursing II	3	1	0	4
NSC 413	Maternal and Child Health Nursing I	3	1	0	4
Total					23
	RAIN SEMESTER				
NSC 402	Management of Nursing Care Services	2	0	4	3
NSC 404	Curriculum Development and Teaching Methodology	2	0	4	3
NSC 406	Nutrition in Health and Diseases	2	0	0	2
NSC 408	Advanced Medical Surgical Nursing III	3	1	0	4
NSC 410	Advanced Medical-Surgical Nursing II Practicum	0	0	8	2
NSC 414	Maternal and Child Health Nursing II	3	1	0	4
NSC 416	Maternal and Child Health Nursing II Practicum	0	0	8	2
Total					20

Professional Qualifying Examination for Nurses organized by the Nursing and Midwifery Council of Nigeria comes up in the **MONTH OF MAY** for yet to be registered students in Part IV

Pre Part V

Concentrated laboratory and Clinical Practice (6 weeks)

Mental Health and Psychiatric Nursing – 3 weeks

Maternal and Child Health Nursing II – 3 weeks

Part V

Course Code	HARMATTAN SEMESTER	L	T	P	U
NSC 501	Advanced Community and Public Health Nursing I	2	1	0	3
NSC 503	Advanced Community and Public Health Nursing I Practicum	0	0	8	2
NSC 505	Special Topics Seminar	1	0	2	2
NSC 507	Advanced Mental Health and Psychiatric Nursing	2	1	0	3
NSC 509	Advanced Mental Health and Psychiatric Nursing Practicum	0	0	8	2
NSC 511	Advanced Maternal and Child Health Nursing I	3	1	0	4
NSC 513	Advanced Maternal and Child Health Nursing Practicum I	0	0	8	2
	One Restricted Elective	2	0	4	3
NSC 515	Introduction to Health and Nursing Informatics	1	1	0	2
Total					22
	RAIN SEMESTER	L	T	P	U
NSC 502	Advanced Community and Public Health Nursing II	2	0	4	3
NSC 504	Advanced Community and Public Health Nursing II Practicum	0	0	4	1
NSC 506	Research Project	0	0	1 6	4
NSC 508	Introduction to Monitoring and Evaluation of Health Programmes and Services	2	0	0	2
NSC 510	Entrepreneurship in Nursing	2	0	0	2
NSC 512	Advanced Maternal and Child Health Nursing II	3	1	0	4

NSC 514	Advanced Maternal and Child Health Nursing Practicum II	0	0	8	2
NSC 516	Introduction to Health Economics	2	0	0	2
	One Restricted Elective	2	0	4	3
Total					23

- Professional Qualifying Examination for Midwives organized by the Nursing and Midwifery Council of Nigeria comes up in the **MONTH OF MARCH** for students yet to be registered as midwives in Part V
- Professional Qualifying Examination for Public Health Nurses organized by the West Africa Health Examination Board comes up in the **MONTH OF JUNE** for students yet to be registered as public health nurses in Part V

RESTRICTED ELECTIVES

Any one from the list must be taken each semester in Part V:

HARMATTAN SEMESTER					RAIN SEMESTER				
	L	T	P	U		L	T	P	U
NSC 531- Renal Nursing	2	0	4	3	NSC 532- Operating Theatre Nursing	2	0	4	3
NSC 533 - Occupational Health Nursing	2	0	4	3	NSC 534 – Geriatric Nursing	2	0	4	3

COURSE DESCRIPTION

PART ONE –

Part I courses are University courses and their descriptions are contained in the brochures of the departments where they are taught.

PART TWO

NSC 201: Foundations of Professional Nursing Practice I (2-0-4) = 3 units

This course introduces nursing students to the fundamentals of nursing as a practice profession. Contents include: concepts and definition of health; history of nursing; attributes of nursing as a profession; Nursing ethics and etiquettes; the roles of nurses within organizational and professional ethical prescriptions; understanding scientific basis of nursing care; the health care delivery system; safety and hygiene in nursing care;; basic procedures in Nursing such as bed making, bed and bathroom bath; food service, e.t.c. Students have opportunity for laboratory demonstrations of basic nursing skills in the latter part of the course and prior to exposure to clinical practice.

NSC 202: Foundations of Professional Nursing Practice II (2-0-4) = 3 units

It is a continuation of NSC 201course. Contents include; introduction to nursing process; Client teaching and learning environment; communication in health care; assessment of vital signs; asepsis; skin integrity and wound care. The students are also exposed to promotion of physical health such as activity and exercise, sleep, nutrition for improved health, fecal elimination, oxygenation and circulation, Maslow hierarchy of needs. Laboratory exposure is essential in this course for topics that require demonstration.

CLI 213 Human Anatomy I (2-0-4-) = 3 units

This course examines the basic anatomical terminology and

general organisation of the body which include; history and methods of cytology, cell structure, structure of membranes, fundamental body tissues, organs and glands. It also covers bones and cartilage classifications and the nervous tissue. The lymphatic systems, spleen and thymus are also discussed. In addition, the students are exposed to the cardio-pulmonary systems of the body such as anatomy of the thoracic cage, histology of the respiratory systems, heart and great blood vessels and other structures relating to the heart and lungs.

CLI 214: Human Anatomy III ((2-0-4) = 3 units

The course is an introduction to human embryology and the anatomy of the reproductive system. It describes the development and the organization of the testis and ovary. The concept of Oogenesis, spermatogenesis and embryogenesis are discussed in detail. The course will also constitute discussion on the bones and joints of the pelvis viz-a-viz anatomy of the uterus and the prostate gland. Associated structures of the reproductive organs such as the bladder and the urethra are discussed.

CLI 215: Human Anatomy II (2-0-4) = 3 units

This course is designed to expose the students to anatomy of the upper and lower limbs. It focuses on the evolution and development of the locomotor apparatus in man, classifications of joints, bones of the lower limbs, the lymphatic and venous drainage, blood supply to the lower limbs and dermatomes of the lower limb. The anatomy of the skin will also be discussed alongside its functions and clinical anatomy.

CLI 216: Human Anatomy IV (2-0-4) = 3 units

This anatomy course deals with the anatomy of the Gastrointestinal Tract and Endocrine. The course explores the development of the digestive system and congenital abnormalities associated with it. Histology of the oral cavity, pharynx, oesophagus, stomach, small intestine, large intestine,

rectum, anal canal, liver, gall bladder and pancreas. The gross anatomy including innervations and blood supply of important structures of the GIT are also discussed. Particular attention is paid to histological and cytological characteristics common to all endocrine gland and their histochemical features. The development of thyroid and parathyroid glands among others are also discussed.

**CLI 217: Physiological and Pathological Chemistry I (2-0-3)
= 3 units**

This course deals with chemistry of important biological compounds, stressing biogenesis and reaction mechanisms as well as structure chemistry. It focuses on the chemistry, structure and classification of Carbohydrates including Stereoisomerism of Monosaccharides, Epimers and Anomers. Acids, bases and buffers are also discussed. The students will also be equipped with the knowledge of chemistry of amino acids, classifications of lipids and, classifications and characteristics of enzymes. It encompasses the chemistry of vitamins and coenzymes with their structures and functions; chemistry of nucleic acids and nucleotides such as the viruses, ribosomes, chromosomes, haemoglobin and haemoglobinopathies

CLI 218: Physiological and Pathological Chemistry II (2-0-3) = 3 units

This is a course that covers nutritional biochemistry. The students are exposed to food, nutrients, energy values of food and energy expenditure by humans. Digestion, absorption, metabolism and functions of food are discussed. They are also exposed to evaluation of nutritional status and nutritional requirements, energy metabolism, basal metabolic rate (BMR) and specific dynamic action (SDA). Fat and water soluble vitamins are also taught viz-a-viz trace elements. The students offering this course will also be exposed to some nutritional disease conditions such as obesity, kwashiorkor, marasmus etc.

Biotechnology and bioinformatics as applicable to genetic engineering are also described. In this course, biochemical functions of liver and other organs with special emphasis to biochemistry of diseases (e.g cancer, diabetes, Sickle cell Anaemia and HIV/AIDs) are discussed.

CLI 219: Human Physiology I (2-0-4) = 3 units

This course covers topics in general physiology, nerve and muscle physiology and blood physiology. Specifically, body cells, homeostasis and body fluid compartments and measurements are discussed. It also covers the general and characteristics and functions of blood, different blood cells, haemostasis and immunity.

CLI 220: Human Physiology III (2-0-4) = 3 units

This course is about renal, endocrine and reproductive physiology. The course covers physiological anatomy of hypothalamo-pituitary axis, kidney, male and female reproductive systems. Nature, synthesis and transport of different hormones are discussed including their measurements and mechanisms. The students are also introduced to endocrine glands. This course further covers the rennin-angiotensin system, the functions of the kidney, glomerular filtration and urine formation. Markers of renal function are also discussed. In addition, the course introduces the students to male and female sex hormones, physiology of contraception, pregnancy and lactation.

CLI 221: Human Physiology II (2-0-4) = 3 units

The students are introduced to Cardiovascular, Gastrointestinal and Respiratory physiology. Functions of the cardiovascular systems, physiological anatomy of the heart, haemodynamics and cardiac muscle physiology are taught. The students are also exposed to cardiac output estimation, regulation of arterial blood pressure and electrocardiography. Also discussed with the

students are, physiology anatomy of the respiratory systems, lung volumes, mechanism of breathing, gas diffusion and oxygen and carbon-dioxide transport.

CLI 222: Human Physiology IV (2-0-4) = 3 units

This course is designed to equip the students in Neurophysiology and higher functions of the nervous system. The students are introduced to general organization of the nervous systems, neurotransmitters and excitation and secretion coupling. Functional organization of autonomic nervous systems, sensory and motor divisions of the CNS, somatosensory physiology, brain stem, deep tendon and superficial reflexes, and upper and lower motor neuron. Also taught are hypothalamus and limbic system, sleep and EEG and physiology of learning and memory. Physiology of the special senses, skin and thermoregulation are also taught in this course

PART THREE

NSC 301: Community and Public Health Nursing I (2-1-0) = 3 units

The course exposes students to historical antecedents of community health nursing practice. The roles of community health nurses are explored viz-a-viz settings for community practice. Other contents include; Community assessment, nursing process as applied to community practice, skills used in community practice, community mobilization, participation and involvement, levels of health prevention. Socio-demographic variables and population dynamics as predictors of patterns of life in the community, patterns of diseases. The concept of the family as a unit of care in the community is also explored including theoretical understanding of the construction of the family, types and characteristics of families; family developmental task, tools in family health assessment, family care, demography and population dynamics, Family Nursing Theories.

NSC 302: Community and Public Health Nursing II (2-1-0) = 3 units

This course is a continuation of NSC 301. Through this course, the student will acquire appropriate skills and attitudinal disposition to analyze the socio-cultural, political, economic, ethical and environmental factors that influence individual, family, community and global health. Contents includes; models for community health practice, principles and theories of health promotion, Health counselling, Primary health Care (PHC) - definition, elements, principles and delivery. Vaccination of under-five children and adults, cold chain systems. national and international health organizations, disaster nursing. Primary oral health care principles will be explored.

NSC 303: Health and Physical Assessment in Nursing (1-0-4) = 2 units

This course exposes the students to acts of health and physical assessment of clients either in the hospital or community setting. The students explore health assessment through life span, using critical thinking and nursing process. The cultural considerations in assessments are also explored in this course. Basically, techniques of physical and health assessment using inspection, palpation percussion and auscultation are demonstrated. The roles of the nurse and intervention in abnormal findings of the body systems are discussed. The practical component of the course will entail exposure of the students to assessment of clients at various health care settings.

CLI 301: Clinical pharmacology and drug management in Nursing Practice I (2-1-0) 3 units

The course is designed to enable the student acquire the knowledge of the derivation, action and functions of drugs on the systems of the body. It considers problems of drug therapy and the contribution of traditional chemotherapeutic measures to health maintenance, drug derivations and standardisation,

classification of drugs, dosage, administration, and body's reaction to drug therapy. The course also considers concerns and problems of drug therapy within the context of the rights of the clients and responsibilities of the nurse. The responsibilities of the nurse in drug storage, administration and management are also covered in the course.

CLI 302: Clinical Pharmacology and Drug Management in Nursing Practice II (2-1-0) = 3 units

This course covers principles of therapy, prophylaxis and control of bacterial parasitic and viral infections, chemotherapy for parasitic infections. Therapeutic drugs and their actions on cells. Diet, therapy, toxicology and drug abuse; nurses' role in drug therapy. Specifically, drugs used in disorders relating to all body systems (GIT, Renal, special senses, reproductive, skin, nervous, endocrine e.t.c.) are discussed.

NSC 304: Community and Public Health Nursing Practicum (0-0-4) = 1 unit

The students are posted to Primary Health Care Centres for their practicum. They rotate through immunization and outpatient clinics, school health services, nutrition clinic, communicable disease clinic, injection room and other clinics as applicable to the course. The students participate in the care of under-five children including health education of parents and home visit as may be applicable.

NSC 308: Introduction to Epidemiology (2-0-0) = 2 units

The course introduces students to the principles, methods and conceptual models of epidemiology as applied in the study of both acute and chronic diseases. Students are introduced to the various terminologies and epidemiologic study methods. The common indices of community health, the analytic methods of demography, the theory behind screening programmes, and measurements are examined. Communicable diseases, natural

history of disease, epidemiological measurements are also explored. The students are also expected to submit a Term Paper at the end of the course

NSC 305: Medical-Surgical Nursing I (3-0-4) = 4 units

The course is designed to enable students learn and integrate the role of the professional nurse in the care of children and adults with medical-surgical problems. It identifies and discusses the health needs of different age group with particular reference to their health problems when these needs are not met. Contents include: assessment of disability, dietetics, basic human needs, personal and environmental health, growth and development, nursing process, care of patients with learning problems and through developmental stages, emergency care, care of the terminally ill, medication administration, patient comfort and pain management, the surgical patients, anaesthesia and anesthetic nursing, rehabilitative nursing.

NSC 306: Medical-Surgical Nursing II (3-1-4) = 5 units

This is a continuation of NSC 307. The course covers disease states within the framework of the body systems utilizing the systems approach. It focuses on equipping students with knowledge of the underlying pathology, clinical manifestations, diagnostic techniques, and management of acute and chronic disorders of selected human systems such as the gastrointestinal system, care of patients with inflammation and infections, orthopaedic nursing, care of patients with respiratory problems. Nursing process and the nursing care plan approach are discussed.

NSC 307: Psychology As Applied to Nursing (2-0-0) = 2units

This course runs concurrently with NSC 200 and introduces students to the concept of growth and development from conception to senescence with emphasis on the dimensions of the body and the mind from a holistic perspective. The

parameters of assessment of growth and development are explored while relevant concepts as related to individual differences especially in the aspects of learning are reviewed. Other concepts that the course explored include: learning-memory thinking; sensation and perception, motivation; emotions and personality, psychological aspects of man and the family, psychomotor development, application of psychological concept and theories to nursing.

EVH 309: Environmental Health (1-0-4) = 2 units

The course is designed to examine the effects of environmental factors such as water, air, noise, biological, socio-cultural and socio economic on the health of the community. Methods of assessing these factors and steps taken to improve on the quality of the environment will be discussed. Impact of the environment on health and illness, waste management, air quality assessment. This course explains the history of international and National Public health laws and their applicability to environmental health.

CLI 352: Histopathology and Forensic Medicine (1-0-4) = 2 units

The course covers general mechanisms and causation of disease, pathogenesis of disease and the dynamic nature of disease as it evolves from its incipient stage to its full expression. An appreciation of the disease process as it affects other organs and distant parts of the body and most importantly the patient as a whole. The pathology of selected common diseases and application of Medical Science to decide questions arising from crime and litigation (forensic evidence) will also be discussed.

CLI 271: Medical Microbiology and Parasitology (1-0-4) = 2 units

The course covers the study of characterisation and classification of micro-organisms, characteristics of bacteria and other micro-

organisms other than bacteria; medical helminthology; relationships of micro-organisms and parasites to disease; and control of micro-organisms and parasites. The microscopic examination of microorganisms and description of various microbial staining techniques. The role of microbiology in medicine, agriculture, industry and other sectors are explored.

PHL 210: Medical Ethics 2-1-0) = 3 units

The course focuses on the contribution of ethical theories to the understanding and, ultimately, the resolution of ethical problems in medicine. Some of the issues covered by the course include the following: the nature of moral problem, theories of ethics, ethics of doctor/nurse and patient relationship, truth telling, white lie, euthanasia, whether or not health care delivery is a right, abortion, organ transplantation, foetal experimentation, death and dying, values in health and illness, indigenous and non-indigenous modes of healing, the nature of illness, life and death distinction, the right to live, the right to commit suicide.

SOC 201: Introduction to Sociology I (2-1-0) = 3 units

This course introduces students to the study of sociology as a social science; the birth of sociology, its founding fathers, and its history. It also discusses the sociological perspective of society, social interaction and social relations as elementary forms of social life; groups, normative system, and culture; social institutions; and complex organisations.

SOC 202: Introduction to Sociology II (2-1-0) = 3 units

The course discusses the following issues becoming a functioning member of society; rural and urban communities; traditional society; widening scale of society; modernisation and urbanisation. Social problems and societal problems associated with modernisation and urbanisation, uses of sociology and careers for the young sociologist are also examined.

CSC 221: Computer Appreciation (2 – 0 – 0) = 2 units

The course examines the definition and attributes of a computer exploring what computers can do (text manipulation, calculation, logical functions, text analysis etc.) and different specialists that are part of computer use (operators, programmers, system analysts and others). It also discusses the computer system; taking a deeper look at terms of input and output devices, extra memory, serial access stores, random access stores, software. Learners will explore types of computer (analogue, digital, hybrid); classification/categorization of computers (mainframes, mini, micro, super computers); operating systems; flowcharts. Learners enrolled in this course will also be equipped with knowledge and skills pertinent to personal computer usage and handling.

PART FOUR

NSC 401: Introduction to Biostatistics (2-1-0) = 3 units

The course introduces the concepts of data, data demand and use, application of statistics in analysis of data derived from clients/patients populations. Students are assisted to understand the statistical process and various statistical methods in common use thereby developing their ability to draw conclusion from statistical analysis. Students will also acquire knowledge and skills in data presentation and interpretation, data communication, and data-informed decision making. The course also highlights the nurse's role in data collection and data quality. Other contents include; determination of errors- type I and II, testing of hypothesis, level of significance, application of central tendencies and variance in data management, graphical representation of data and inferential statistics.

NSC 402: Management of Nursing Care Services (2-0-4) = 3 units

The aim of this course is to introduce the students to philosophy, theory, principles and techniques of management

generally and as related to management of nursing care services. The course introduces students to the evolution of management thought, the scope and nature of management, the various schools of management, and an array of essential tools for effective management of resources including personnel. Management theories, decision making, organizational structure, communication and leadership styles, motivation, group dynamics, delegation, supervision, accountability, budgeting and forecasting, conflict and conflict resolution. It also presents a discourse of the nursing process as a tool for scientific approach to solving management problems and management by objective.

NSC 404: Curriculum Development and Teaching Methodology (2-0-4) = 3 units

This course is designed to introduce the students to the concept, principles and models in curriculum development. Students will also learn about theories and principles of teaching and learning. Students will be assisted to explore the use of the various theories and principles in the development of nursing curriculum and developing patients/clients education programmes. Innovative teaching styles and test construction are explored. The course provides opportunity to apply teaching and management concepts and theories in practice. Students are required to develop teaching plans for assigned topics and teach students in classroom sessions for a period of two weeks.

NSC 405: Research Methods in Nursing (2-1-0) = 3 units

This course introduces students to the rudiments of research process. The course examines various definitions and types of research, ethical issues in research. It discusses the research process (from the stage of problem identification, through literature review to report writing). Specifically they are exposed to research design, sampling, methods of data collection, analysis, discussion of findings and referencing. The application and use of the research process in identifying and solving

nursing problems in education and practice are presented. At the end of the course, students are expected to generate research proposals.

NSC 406: Nutrition in Health and Diseases (2-0-0) = 2units

The course discusses the historical perspective of nutrition as a science. It presents the classification of food, the nutritional values of food and its effect on health. Other components of the course include food purchasing, presentation, preparation, relationship between digestion and absorption of food, nutritional quality of local foods and diets, selection and formulation of balanced and weaning diets, use of food composition tables, nutrient requirements and recommended daily calorie requirements. The course also discusses food in relation to the life cycle; use of diet in the management of acute and chronic illnesses and other life cycle changes. Learners would have practical demonstration in preparation of locally available food items to meet specified clients' need in order to ensure that students are equipped with knowledge and skills needed for instituting dietary therapy and providing well-balanced diets to clients and patients. The students are also exposed to nutrition in some selected disease conditions and dietary requirement in life developmental stages

NSC 407: Advanced Medical-Surgical Nursing I (3-2-0) = 5 units

This course equips students with an understanding of the aetogenesis, pathophysiology, diagnosis, and clinical manifestations of acute and chronic disorders. It also exposes them to care of patients with alteration in cardiovascular organs, disorders of blood and blood forming organs, endocrine disorders, renal and urinary disorders, the development of nursing judgement and appropriate medical and nursing management of patients with acute health crisis and those with

chronic illnesses requiring short and long term hospitalization, intensive care and or prolonged hospitalization. By understanding the patho-physiological underpinnings of diseases and the nursing process, students will be better equipped with knowledge and skills for providing scientifically sound care for patients. Emphases are placed on nurses' responsibilities without denigrating the importance of team work in various clinical settings.

NSC 408: Advanced Medical-Surgical Nursing III (3-1-0) = 4 units

The course covers disease states within the framework of the body systems utilizing the systems approach. Students are exposed to care of patients with GIT disorders and care of male and female clients with reproductive disorders and sexually transmitted infections; oncology nursing. They will be equipped with knowledge and skills pertinent to making both medical and nursing diagnosis; providing appropriate nursing care and evaluating the effectiveness of such care.

NSC 409: Advanced Medical-Surgical Nursing I Practicum (0-0-8) = 2 units.

This is the clinical component of Advanced Medical-Surgical Nursing I. It is designed to further facilitate and augment knowledge and skill acquisition by the learners. It shall exposes students to the skills required for developing nursing judgement for appropriate nursing care. Nursing care plans are developed for each patient being nursed by the students as they give holistic care. Emphases are placed on nurses' responsibilities without denigrating the importance of team work in various clinical settings. The students rotate through medical and surgical units in designated hospitals.

NSC 410: Advanced Medical-Surgical Nursing II Practicum (0-0-8) = 2 units

This course builds on the clinical skills acquired in NSC 409.

Students are taken through special units in the hospital such as, ophthalmology unit, theatre, accident and emergency, renal, ear nose and throat, and Neurology. Laboratory exposure for the students will include skills needed in these units such as gowning, surgical hand scrubbing for peri-operative nursing, bandaging of different types, etc.

NSC 411: Mental Health & Psychiatric Nursing (2-0-4) = 3 units

This course is designed to discuss the professional nurses' role in the promotion of mental health. The introduction to theories of personality and the personality disorders, classification of mental disorders, various therapeutic media for the management of the psychiatric patients and legal aspects of psychiatric nursing are taught in this course. The course further introduces students to the nursing process as the tool for the development of nursing care for the individual clients, families, and groups dealing with major psychiatric issues. Psychosocial development from childhood to adulthood will be explored as a baseline for understanding human behaviour in health and illness. The pragmatics and dynamics of human behaviours in the application of therapeutic interpersonal communication will be addressed.

NSC 413 - Maternal and Child Health Nursing I (3-1-0) = 4 units

The aim of this course is to provide insight into maternal and child health from conception onwards. The course focuses on the nursing care of mothers, the newborn, and the family. In this course, topics that will be covered include drugs used in midwifery practice, pain management in midwifery practice, anatomy and physiology of the male and female reproductive organs, fetal development, review of history of midwifery in Nigeria and worldwide, ethics and legal issues in midwifery practice, theories applied to midwifery practice, basic concepts of midwifery practice, standard nursing language and nursing

process, Ethico-Legal aspect of HIV/AIDs, and quality of care in midwifery practice.

NSC 414: Maternal and Child Health Nursing II (3-1-0) = 4 units

This course is a continuation of NSC 413. The course exposes students to apply an indepth knowledge of the reproductive system to the practice of normal midwifery. It emphasizes the health of the family and the normal needs of the mother, father, foetus and other siblings in the family context. Development of skills in the management of normal pregnancy, labour, puerperium and the care of the baby. In this course, topics that will be covered include prenatal care, focused antenatal care, normal labour, and stages of labour, normal peuperium, community midwifery, the care of the newborn and newborn environment, infant nutrition, discharge, and follow-up. It will also cover family planning and infertility, data collection and management information system in family planning.

NSC 415: Advance Medical Surgical Nursing II (2-1-0) =3

This course is a continuation of Medical Surgical Nursing I. It covers disease states within the framework of the body systems utilizing the systems approach. Students are exposed to care of patients with disorders of nervous system; Eyes, Ear, Nose and throat; they will be equipped with knowledge and skills pertinent to making both medical and nursing diagnosis; providing appropriate nursing care and evaluating the effectiveness of such care.

NSC 416: Maternal and Child Health Nursing II Practicum (0-0-8) = 2 units

The practicum course is designed to expose students to their professional role by providing students the opportunity to apply and integrate knowledge acquired through Maternal and Child Health course work. The practicum experience will assist students in discovering, developing and refining necessary

competencies and skills related to maternal and child health care. Students are expected to complete 8hrs per week and spend a period of 15 weeks in the clinical settings where maternal and child health services are being rendered. Students' activities in this course cover normal midwifery. During this practicum, the students are expected to rotate through family planning clinic, antenatal clinic, labour ward, and postnatal wards in primary and tertiary institutions. Each student is expected to conduct 20-30 antenatal palpation, 10 vaginal examinations, 10-25 normal midwifery, care for 5-30 women during normal puerperium, and perform minimum of five episiotomies. In the family planning Unit, each student must insert 5-10 IUCD and give oral contraceptives to at least 10 women. The course lecturer and the clinical instructors will conduct on the site supervision of students.

PART FIVE

NSC 501: Advanced Community and Public Health Nursing I (2-1-0) 3 units

This course focuses on the development of students' competences in planning, organisation, and administration of programmes to meet community health needs, building on knowledge, attitude and skills acquired from other courses and most importantly NSC 301, 302, 305, 441. Students are exposed to comprehensive community needs assessment; working with small groups, programme planning, implementation and evaluation in the community, promoting health of home care populations, family and community violence, school health nursing, nursing process in the community.

NSC 502: Advanced Community and Public Health Nursing II (2-0-4) 3 units

The course emphasizes on the impact of intervention modalities on the lives of individuals, family and community. Contents

include: rural nursing, communication, collaboration and contracting in the community, health education, care of vulnerable populations, Policy and politics in community Health, Quality management in community health Nursing

NSC 503: Advanced Community and Public Health Nursing I Practicum (0-0-8) – 2 units

This course will expose the students to Primary Health Care services with skills in consultation and management of common childhood diseases and follow up care. The students will be under full supervision of Public Health Nurses for diagnoses of common childhood illnesses, prescription of drugs and management of such illnesses. They will also carry out follow up care of such a child to his/her home.

NSC 504: Advanced Community and Public Health Nursing II Practicum (0-0-4) – 1 units

This practicum is an extension of NSC 503. Students are expected to extend the follow-up care in their previous practicum to the community of the child that was managed. The course is therefore a pure community assessment and intervention. Students are posted to different community settings such as prison, schools, rural settings, market etc, for thorough community assessment and interventions. The report of the posting is submitted to the coordinator and presented as a seminar.

NSC 505: Special Topics Seminars (1-0-4) = 2 units

This course is designed to build the capacity of students for intellectual discourse of issues that have relevance to health and nursing as a profession. The course provides opportunity for students to be involved in active intellectual engagements with colleagues and teachers to build capacity for critical analysis of trends and emerging issues in all aspects of life as they have direct and indirect bearing on health and the practice of nursing.

Particular attention is paid to the dynamics of social change as such influence nursing education, research and practice, health care and public health in general. Students are assisted to acquire skills in public speaking and presentation using up-to-date information, education and communication material through appropriate deployment of information technology. They are also exposed to elements of writing and writing styles.

NSC 506: Research Projects (0-0-16) = 4 units

Students will demonstrate the extent of application of knowledge and skills acquired in other courses such as research methodology, teaching and learning strategies among others in presenting their research projects under supervision. Students will be taking through research report writing and will also undergo oral defence of the project.

NSC 507: Advanced Mental Health and Psychiatric Nursing (2-1-0) = 3 units

The course builds on knowledge of psychosocial development from childhood to adulthood and the understanding of human behaviour in health and illness and the knowledge acquired in NSC 411 (Mental Health & Psychiatric Nursing). It is designed to equip the student to competently employ the nursing process in the development of nursing care for clients dealing with major psychiatric/mental health issues. The course will expose the students to the knowledge of specific mental health/psychiatric disorders across life span. The pragmatics and dynamics of human behaviours in the application of therapeutic interventions will be stressed utilizing a systemic framework approach.

NSC 508: Introduction to Monitoring and Evaluation of Health Programme and Services (2-0-0) =2

This course builds capacity of the learners to be able to apply the knowledge of data collection and transformation to inform

decision making in the process of monitoring and tracking of services and programmes that are provided by nurses. The concept of monitoring and evaluation are explored, use of appropriate tool for assessment and the process of developing a monitoring and evaluation plan is also covered. Learners are expected to learn through case studies and practical experiences of monitoring of services and programmes provided by nurses at all levels of care.

NSC 509: Advanced Mental Health and Psychiatric Nursing Practicum (0-0-8) = 2 units

This course is the clinical component of NSC 511 (Advanced Psychiatric Nursing). It aims at building on clinical skills acquire in the preceding year. It exposes learner to the clinical component of specific mental health/psychiatric disorders across life span. It will utilize a systemic framework approach to pragmatics and dynamics of human behaviours. Students will be posted to specific psychiatric hospital for their clinical experiences.

NSC 510: Entrepreneurship in Nursing2-0-0 (2 units):

This course is designed to introduce students to the concepts, principles and practice of entrepreneurship. The contents covered include the entrepreneurial process, exploring business opportunities, developing a business plan, exploring market strategies, evolving organizational plan and developing financial plans. Issues in funding, launching out and working for business growth will also be covered. Learners will be assisted to acquire positive attitude and apply the knowledge of idea generation to developing business plans to meet community health needs or considering opportunity for self-employment in nursing.

NSC 511: Advanced Maternal and Child Health Nursing I (3-1-0) = 4 units

This course covers complications associated with pregnancy, labour, postpartum and the neonatal life. It highlights the

midwife roles and responsibilities in prevention and management of obstetrics emergencies. Socio-cultural events that contribute significantly to causes of pregnancy complications and obstetrical emergencies are discussed. Topics covered by this course include risk factors/ conditions that complicate pregnancy and labour, management of risk factors/ conditions, medical conditions that complicate pregnancy, malposition and malpresentation and their management, abnormal labour, obstetrics emergencies in pregnancy and labour. It will also cover abnormal condition of the new born.

NSC 512: Advanced Maternal and Child Health Nursing II (3-1-0) = 4 units

This course is a continuation of NSC 511. The course covers overview of reproductive health and reproductive rights, information education and communication, safe motherhood, lifesaving skills, growth and development of a child, common occurring disease from birth to age 5, Integrated Management of Neonatal and Childhood Illnesses (IMNCI). Other topics covered include adolescent reproductive health, gender issue in reproductive health, reproductive health conditions, HIV/AIDs.

NSC 513: Advanced Maternal and Child Health Nursing Practicum I (0-0-8) 2 units

This practicum courses focuses on building the skills of the students in complicated midwifery. Students are expected to complete 8hrs per week and spend a period of 15 weeks rotating through the ANC, labour ward and postnatal ward, Neonatal ward and Special Baby Care Unit (SBCU). The students are expected to focus on how to manage complications in maternal and child health nursing. During this practicum, each student must conduct minimum of 10 complicated deliveries, manage 5-10 women having abnormal puerperium, manage 5-10 babies in SBCU, and also conduct minimum of 5 manual vacuum aspirations. The clinical settings include secondary and tertiary health care facilities.

NSC 515: Introduction to Health and Nursing Informatics (1-1-0) 2 units

This course exposes learners to the concepts of health and nursing informatics. Other contents covered include concept and use of informatics in nursing practice, Competencies in efficient use of information technology in health care, electronic health records, protection of the privacy, confidentiality, and security of information in health care environments and the potential utility of a wide array of social networking tools in communicating health-related information.

NSC 516 Introduction to Health Economics (2-0-0) 2units

The course is designed to expose learners to economic and health principles as they inform health care availability, accessibility and provision. Some of the concepts that would be explored include social welfare, demography, costing of health and nursing services availability and distributions, social stratification and access to health care services, problems of production, scarcity, choice and opportunity cost. The principles of cost-benefit cost effectiveness considering patients,/clients, payers, government, providers and society will be covered. Methods of covering health risks, use of insurance in health care, management and regulation of hospital costs, issues in managed and long term care. The concept of public goods and public health will be explored from the perspectives of costing. The dynamics of national health spending and comparisons of health and health expenditures across nations will be explored. The flow of fund in the health care system will be explored. Cost recovery and the role of nurses in the National Health Insurance Scheme and Political Economy of Health will be covered.

RESTRICTED ELECTIVES

NSC 531: Renal Nursing (2 -0-4) = 3 units

The course is designed to provide a unique and comprehensive learning frame that will foster the acquisition of basic and advanced knowledge and technical skills required for providing standard and quality Nephrology Nursing care to clients in diverse settings. The classroom and the clinical sessions are designed to facilitate in the students, the development of a sense of responsibility for directions, critical thinking, accountability for clinical decisions taken, self-direction and personal development. Technical skills needed for conducting renal replacement therapy and other therapeutic measures with maximal dexterity are discussed.

NSC 532: Operating Theatre Nursing (2-0-4) = 3 units

The course encompasses lectures and clinical practice that emphasize various forms of theatre design, preparation of surgical patients and theatre for various specialties surgeries, application of principles and techniques of asepsis and infectious control to ensure quality nursing care for patients throughout the perioperative phases. It also focuses on planning, arrangement and storage of surgical consumable, surgical instruments, electrocautery equipment to comply with the needs of patients and members of a surgical team and taking suitable and safety-conscious steps to prevent injury and enhance the level of patient safety in the operating theatre.

NSC 533: Occupational Health Nursing (2-0-4) = 3 units

This course is designed to introduce students to identification and control of risks arising from physical, chemical, and other workplace hazards. The hazards include chemical agents and solvents, heavy metals such as lead and mercury, physical agents such as loud noise or vibration, and physical hazards such as electricity or dangerous machinery. All aspects of health and safety in the workplace with focus on primary and secondary

prevention strategies are discussed. The roles of Occupational health nurse are discussed in details.

NSC 534- Geriatric Nursing (2-0-4) = 3 units

This course deals with the study and care of the elderly. Students are exposed to the physical and psychosocial needs of the elderly; the environment of the elderly; elder abuse prevention and care; burden of care among informal care givers; diseases of aging; nursing care of elderly with chronic and acute illnesses; geriatric homes and home care of the elderly.