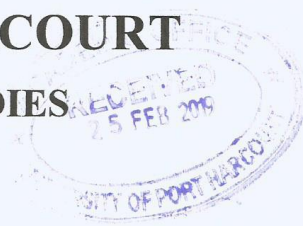


SP/2018-2019/013 Biv — Bxiii

UNIVERSITY OF PORT HARCOURT
SCHOOL OF GRADUATE STUDIES



Internal Memorandum

From: Dean	To: Director, Academic Office
Ref: UPH/SGS/CS/078	DR (Acad) Pls bring up at next Senate up for 25/2/19
Date: February 20, 2019	

PROPOSALS FOR NEW PROGRAMMES

The Board of the School of Graduate Studies, at its 251st meeting held on Tuesday, Friday 19, 2019, considered the proposals for new programmes submitted to it by Faculties/Departments. After due deliberations, the Board decided that the proposals be forwarded to Senate for approval.

The Proposals are as listed below:

A. Department of Preventive and Social Medicine

- I. PGD in Fertility Nursing Education
- II. PGD in Public Health
- III. M.Sc in Midwifery/Child Health
- IV. M.Sc in Epidemiology, Environmental Health, Occupational Health and Health Systems Management
- V. Ph.D in Environmental Health, Environmental Toxicology and Public Health Nutrition
- VI. Ph.D in Public Health and Doctor of Public Health (DrPH)

B. Department of Pharmacology

- I. PGD in Pharmacology

PAR, Senate
Fyng pfs.
25/2/19

C. University of Port Harcourt Sports Institute (UPSI):

1. M.Sc in Sports Science with Options in:
 - i. Sports Nutrition
 - ii. Exercise Science
 - iii. Fitness and Recreational Management
 - iv. Sports Coaching and Administration
 - v. Sports Broadcasting/Journalism
 - vi.

D. University of Port Harcourt Business School (UPBS):

- i. Proposal for the Introduction of DBA in University of Port Harcourt Business School.

E. Faculty of Social Sciences:

- i. M.Sc in Social Policy

Thank you.



PROF A. A. OKERENGWO



African Centre of Excellence in Public Health and Toxicological Research

POST-GRADUATE DIPLOMA IN FERTILITY NURSING EDUCATION

CURRICULUM

2019

Introduction

Midwifery is defined as “skilled knowledgeable and compassionate care for child bearing women, newborns, infants and families across the continuum from pre-pregnancy, pregnancy, birth, after birth and early weeks of life. Midwifery plays a vital role and when provided by educated trained midwives, is associated with improved quality of care and rapid and sustained reduction in maternal and newborn morbidity and mortality.

The scope of nursing practice and care of individuals with fertility challenges in Nigeria is continuously expanding as a result of increasing demand from individuals with fertility challenges, fast paced technological and scientific advancements in reproductive science accompanied with societal pressures and expectations. The modern management of individuals with fertility challenges is an essential component to the training of every healthcare professional working in this specialist area. This training programme, devised by the Nursing and Midwifery Council of Nigeria (N&MCN) is designed to assist professionals in establishing a level of expertise in the area appropriate to the status of a practitioner with a stated “special interest” in the field.

The African Centre of Excellence in Public Health and Toxicological Research is a regional Centre established to promote collaboration and interdisciplinary research; build a strong reputation for excellence; support teaching, learning, assessment of students; provide uninterrupted research and learning Calendar for local and international students. The Centre’s mission is to become a platform to congregate highly skilled human resource both within and outside the UniPort; build a robust resource of highly skilled and motivated public health professionals who are equipped with current knowledge, skills and competencies required to improve the practice of public health, human/community nutrition, toxicology and midwifery/child health nursing; produce cutting –edge research projects to solve public health issues arising from oil and gas sectors and undertake consultancy and community services

Philosophy

The philosophy of the fertility nursing programme is based on the following:

1. The family is the basic unit of human existence with the basic role of procreation thus fertility nursing is essential in meeting this need.
2. Failure to achieve conception affects the quality of family life leading to disharmony in some homes.
3. Family should be assisted to enjoy optimal reproductive health by having children when they desire.
4. Fertility nursing education enables the fertility nurse to develop specialized skills in assisting individuals with fertility challenges.
5. Continuing professional development program will keep the fertility nurse abreast of professional practice and the dynamic issues challenging reproductive health services in the society.
6. Fertility nurses should develop competencies to work within the appropriate standards of clinical practice.
7. Fertility nursing education will prepare fertility nurses to provide a holistic approach to fertility nursing care, through compassionate, informed and evidence-based practice.
8. The hallmark of fertility nursing practice is to deliver high quality care while ensuring patient safety

Vision

To be a programme that would produce in a sustainable manner a critical mass of trained experts in fertility nursing education for the region.

Mission

The goal of the PGD programme is to increase the number of public health and fertility nursing education practitioners that can supplement the services provided by other public health practitioners in health promotion and disease prevention.

Rationale

To establish the postgraduate diploma in fertility nursing specialist education Masters and bridge the current and obvious non-trained certified nurse specialist in Nigeria. The

programme is designed to prepare registered nurses and midwives to assume a nurse fertility specialist role in fertility clinics and fertility unit of hospitals. ACE-PUTOR is going to be the first to offer the fertility nurse education in Nigeria.

Aim and Objectives of the PGD in Fertility Nursing Education

To introduce the students to the basic tenets of fertility education and provide them theoretical and practical training in these areas. Specifically, this programme will provide graduate students with the knowledge and competence to:

1. Assess the health needs of individuals with fertility challenges, giving special reference to the basic needs of the individual/couple.
2. Function dependently, independently and inter-dependently to provide comprehensive reproductive health care services as a certified specialist.
3. Use the awareness of cultural diversity of clients in relation to fertility issues and preparation of different investigation and treatments
4. Use the basic principles of ultrasound scanning to deliver appropriate care.

Admission Requirements

Eligible candidates for the PGD Fertility Nursing Education would be those with:

- Five O' level credits in the following subjects: Biology, Chemistry, Physics, Mathematics and English Language at WAEC or NEC
- First Degree in Nursing
- Registered and licensed as a Nurse or Midwife

Programme Duration

- Full time (PGD) – 12 to 24 months
- Part-time (PGD) – 24 to 48 months

Graduation Requirements

To qualify for the award of the Diploma, the candidate must have successfully completed all the prescribed courses in the programme and undertaken an internship period of 2 months.

List of Courses, Code and Credit Units in PGD Fertility Nursing Education

Course Code	No. of Unit	Course Title
PUT 741.1	3	Fundamentals of fertility nursing practice
PUT 742.1	3	Applied Anatomy/physiology of the reproductive system
PUT 743.1	3	Applied Embryology, genetics and immunology
PUT 744.1	3	Fertility and pre-conception care
PUT 745.1	3	Infertility and its management
PUT 746.2	3	Third party reproduction
PUT 747.2	4	Assisted Reproductive Technology (ART)
PUT 748.2	3	Ethico-legal aspects in fertility management
PUT 749.2	3	Practicum
PUT 750.2	2	Seminar in fertility nursing practice
	30	Total

Course Description

PUT 741 Fundamentals of fertility nursing practice (3 credits)

This course introduces the students to the historical perspectives, scope of practice, roles, basic concepts and theoretical foundations of fertility nursing care. It covers the basic concepts of fertility nursing practice, perspective of fertility nursing practice and the theories applied to fertility practice.

PUT 742 Applied anatomy/ physiology of the reproductive system (3 credits)

This course builds on the already acquired knowledge of anatomy and physiology with special application to fertility. The course covers female and male reproductive system, Endocrine system Nervous system and Renal system in relation to fertility.

PUT 743 Applied embryology, genetics and immunology (3 credits)

This course is designed to enable students acquire the knowledge of embryological development and standard practices in handling and manipulation of gametes in order to achieve pregnancy. The course covers fundamental of embryo, seminal fluid analysis and sperm preparation, cryopreservation, laboratory management, daily quality Index, record keeping and documentation and laboratory key performance. The course will also assist the students understand the influence of genetic and immunological reactions in ART.

PUT 744 Fertility and pre-conception care (3 credits)

This course offers the students the opportunity to apply an in-depth knowledge of pre-conception care in evaluating the overall health and opportunities for improving health of individuals. It also empowers the students to provide genetic counselling and screening. The course covers concept of fertility and pre-conception care, In vivo conception, Nurses role and responsibilities before, during and after the procedure.

PUT 745 Infertility and its management (3 credits)

This course offers the students the opportunity to apply an in-depth knowledge of epidemiology and clinical aspects of infertility for improving fertility nursing care of individuals with fertility challenges. The course covers epidemiology of infertility and causes, pathophysiology, fertility management and contemporary issues in fertility management. The course will also help students appreciate the psychosocial needs of the infertile couple and how to offer psychosocial support and guidance.

PUT 746 Third Party Reproduction (3 credits)

This course focuses on third party involvement in the reproductive process which does not extend to raising up/upbringing of the child. This course involves gamete donation to couples who for one reason or the other cannot complete the cycle of pregnancy, either due to inability to produce adequate gamete for fertilization or due to inadequate uterus to carry pregnancy to term.

PUT 747 Assisted Reproductive Technology (ART) (4 credits)

This course is designed to provide the students with the requisite knowledge, skills and attitude required in the management of client using assisted reproductive technology. The course covers Historical perspective of ART, treatment options of ART, equipment and consumables use in ART, basic ultrasound skills for fertility management, contemporary issues in ART and the roles and responsibilities of the fertility nurse specialist. The course will cover medications used in ART, their pharmacokinetics, pharmacodynamics as well as the storage and administration. Issues around gamete donation to couples who for one reason or the other cannot complete the cycle of pregnancy, either due to inability to produce adequate gamete for fertilization or due to inadequate uterus to carry pregnancy to term would be covered. The course covers identification of suitable donors and surrogate, counselling and consenting, egg donation, sperm donation surrogacy and recipients.

PUT 748 Ethico-legal aspects in fertility management (3 credits)

The course introduces students to the ethico-legal aspects of infertility as this area of practice requires delicate approach, analysis and treatment. It prepares the students to cope with the numerous ethical and legal dilemmas and the call for multidisciplinary and expert approach to analysing each case as well as defining clear ethical and legal regulations open to corrections in respect to further investigative work. It will enable students to work based on ethical principles, holistic approach and full respect of life of an individual. The course covers concepts of ethics in fertility management, Ethical dilemmas and ethical decisions, The role of national and international organisations in ethico-legal aspects of infertility management and legal concepts in fertility management.

PUT 749 Practicum (3 credits)

The course provides opportunity for the students to have hands on experiences and apply the concept and theoretical aspect of fertility nursing using a simulation and a real-life situation in the laboratory and designated fertility centers/clinics.

PUT 750 Seminar in Fertility Nursing (2 credits)

Seminar topic will be on candidate's area of interest presented in a report and examined orally by a panel of internal examiners. This may be followed up in a research project with research methods and statistics in a further study.

List of Staff

S/N	NAME	QUALIFICATIONS	DESIGNATION	SPECIALISATION
1	Dr Faith Diorgu	PhD Midwifery, PhD Edu. Psych, M.Sc Midwifery, M.Ed Edu. Psych. B.Sc Nursing	Senior lecturer/Ag. HOD	Midwifery
2	Professor Mary Steen	PhD Midwifery	Professor (Visiting)	Midwifery
3	Professor Josephine Etowa	PhD Nursing	Professor (Visiting)	Maternal New-Born Health
4	Dr Jean Hannan	PhD Nursing	Associate Professor (Visiting)	Nursing Education and Research
5	Dr J. Craig Phillips	PhD Nursing	Associate Professor (Visiting)	Nursing Education/ Research
6	Dr Chioma Ndikom	PhD MCH Nursing, M.Sc MCH Nursing, B.Sc. Nursing	Senior Lecturer	Maternal and Child Health Nursing
7	Dr Aluko Joel Ojo	PhD Midwifery/ Neonatology, MSc MCH, BSc Nursing	Senior lecturer	Midwifery /Neonatology
8	Dr Olayinka Onasoga	PhD. MCH Nursing, MSc MCH Nursing, BSc Nursing	Lecturer 1	Maternal and Child Health Nursing
9	Dr Splendor Chikodili	PhD MCH Nursing, MSc MCH Nursing, BSc. Nursing	Senior lecturer	Maternal and Child Health Nursing
10	Dr Josephine Gbobbo	PhD Nursing Admin.	Lecturer 1	Nursing Administration
11	Dr Elizabeth Oduali	PhD Nursing Admin.	Lecturer 1	Nursing Administration

Facilities

The current facilities available for use by the Centre include

- Office of the Director at the Nuclear Medicine Building in UPTH
- 2 temporary classrooms at the Nuclear Medicine Building in UPTH
- 2 classrooms at the multi-purpose building in the University Park
- Full time consultants in public health covering the ten approved subspecialties, and nine teaching subject areas in public health.
- Public health laboratory
- Public health museum
- Departmental library
- Data processing and computer facilities
- Clinical facilities for the training of resident doctors
- Out-patient clinics for STD, HIV treatment and care, Growth Monitoring, Well Person clinic, Occupational health clinic, family health clinic, family planning, endemic diseases, immunoprophylaxis
- Facility for urban community health programmes at Aluu Health Centre
- Facility for rural community health programmes at Kegbara Dere, in Gokana LGA
- Facility for management of Drug Resistant Tuberculosis
- Outside organizations and facilities ideal for subspecialty postings



The University of Port Harcourt School of Public Health

POST-GRADUATE DIPLOMA IN PUBLIC HEALTH

CURRICULUM

2019

Introduction

Public health practice is the cornerstone of effective health care all over the world. The salutary impact on the health of the population by the supply of portable water; personal and community hygiene, appropriate nutrition, among others, has been documented in scientific literature. The various definitions of public health agree that public health is “the art and science of preventing disease, prolonging life and promoting health through the organized efforts of society”. Achieving the thrust of this definition requires acquisition of competences in various aspects of public health science. Unfortunately, this is obvious dearth of public health specialists in Nigeria.

The University of Port Harcourt School of Public Health was established to bridge current gaps in the training and practice of public health through facilitating the infusion of diverse resources needed for a successful and competitive school of public health. It provides an option of assisting the poor economic climate in the country which had stunted growth in the staff strength in the traditional department of Preventive and social medicine under the Faculty of Clinical Sciences. Indeed, this School serves the purpose of providing a common platform for congregating highly skilled human resource both within and outside the University of Port Harcourt. This would provide value-added services beneficial, but at minimal additional cost to the University.

Philosophy

The philosophy of the programme is to promote equity, excellence and integrity. This is premised on developing the knowledge, skills and competences of students from diverse academic backgrounds but with creative minds who are desirous to acquire more skills and experiences that would prepare them for a career in public health

Vision

To be a programme of excellence which produces in a sustainable manner a critical mass of trained public health practitioners for health promotion and disease prevention around the globe

Mission

The goal of the PGD programme is to increase the number of public health practitioners that can supplement the services provided by other public health practitioners in health promotion and disease prevention.

Rationale

There is an obvious paucity of public health specialists in the country, despite the heightened interest in this field of practice and the genuine manpower need in addressing the gaps in the health care system. The University of Port Harcourt intends to reduce this paucity by training individuals through this programme in public health.

Aim

To introduce the students to the basic tenets of public health service and provide them theoretical and practical training in public health.

Objectives of PGD Public Health

This programme will provide graduate students with...

1. Opportunity for a career shift to public health from any other fields of study
2. The necessary technical knowledge of public health and health care
3. An understanding of the applications of this knowledge in solving health problems in the society at large
4. An understanding of technical, interpersonal and organizational competence in Public Health.
5. The skills to become effective managers and leaders
6. The competence to work independently and in a team within an organization
7. Social skill in dealing successfully with every individual in the workplace as a public health practitioner and in the community.

Admission Requirements

Eligible candidates would be those with:

- Higher National Diploma (HND) in any health-related discipline (upper credit)
- Community Health Officer certificate (CHO) with a credit grade

- BSc/B.A. (with CGPA less than 3.00 on a five-point scale) M.Sc./M.A., PhD in any discipline

Programme Duration

- Full time (PGD) – 12 months (minimum) to 24 months (maximum)
- Part-time (PGD) – 18 months (minimum) to 36 months (maximum)

Graduation Requirements

The candidate must successfully complete the prescribed courses of the programme and met with other regulations of the school of graduate studies.

List of courses, code and credit units

Course Code	Credit Load	Course Title
SPH701.1	2	History of Public Health
SPH702.1	2	Fundamentals of Demography
SPH703.1	2	Health Laws and Ethics
SPH708.1	3	Human Ecology
SPH712.1	4	Public Health Methods
SPH723.2	4	Introduction to Biostatistics
SPH725.2	4	Introduction to Principles of Epidemiology
SPH726.2	2	ICT & Public Health
SPH734.2	3	Health Care in Nigeria
SPH 746.2	2	Field Trips
SPH742.2	2	Research Seminar
	30	

Course Description

SPH 723 Introduction to Bio-Statistics

This course will teach descriptive and inferential statistics as tools for research and practice in the field of public health. It will equip prospective students with basic and advanced skills in quantitative reasoning and application necessary for medical research.

Broad areas include - Introduction to statistics; Uses of Statistics; Data and Types of Variables; Sources of Data, Tools for Data Collection; Scales of Measurement; Frequency Distributions and Presentation of Data - Histograms, Pie charts, Bar Charts, etc.; Measures of Central Tendency; Measures of Dispersion; Measures of Partition; Measures of Association: Correlation and Regression; Probability Theory and Probability Distributions; The Standard Normal Curve; Inferential Statistics - Standard Errors; Confidence Intervals; Tests of Significance (Z-Test, t-Test, Chi-Square Test); Population, Samples and Sampling Techniques.

SPH 725 Introduction to Principles of Epidemiology

This course will teach the basic concepts and principles of epidemiology and disease outbreak investigation, the application of epidemiologic principles in the control of diseases of public health importance. It will emphasize disease distribution, determinants and deterrents in communicable and non-communicable disease conditions.

Broad aspects covered include - Epidemiology: Definition. History, Distribution and Determinants of Diseases: Biological, Behavioural, Social, etc., Epidemiological approach, Infective Agents: Reservoir of Infection, Transmission of Communicable Diseases, Host Factors, Epidemiologic triad, Natural history of disease, spectrum of diseases, Risk Factors in the Epidemiology of Communicable and Non-Communicable Diseases, Epidemiological Methods: Epidemiological Tools – Rates (Crude and Specific), Ratios, Percentages, etc, epidemiological Methods: epidemiological Studies, Disease Surveillance and Notification, Screening and Screening Tests, Uses of Epidemiology, Principles of Disease Control, Levels of Prevention, Epidemiological Transition

SPH 726 ICT and Public Health

This course is an introduction to ICT and will teach the various Microsoft programmes such as Microsoft Words, Excel, Access, PowerPoint and how they can be applied to public health. It will also introduce the use of computer in data analysis and the use of operational research and functional analysis in project design and evaluation.

SPH 734 Health Care in Nigeria

The purpose of the course is to familiarize the students with the key local principles of organizing, funding and providing health services and public health activities in Nigeria. The course would expose the students to the traditional and formal approaches to health care in Nigeria. The levels of health care would be taught.

The Primary Health Care (PHC) component of the course will look into such broad topics as: Introduction to PHC, the Alma Alta Declaration, Understanding PHC, Principles and Philosophies, Models of PHCs, Basic Health Service Scheme and the PHC Institutions, PHC Team, the Medical Officer of health, The Bamako initiative and Management of Essential Drugs,

Vaccines and other consumables, Community Diagnosis and PHC Implementation and Evaluation, and a general discussion of PHC with particular reference to on-going health system reforms. This course will teach traditional and modern health care in Nigeria

SPH 798 Medical Ecology

This is an emerging science that defines those aspects of the environment that have a direct bearing on human health, e.g., degradation of air, water and food which lead to disease. Infections disease account for more human suffering in the world than any other cause; this includes natural disasters and every war that has ever had an impact on the human.

This course will expose the students to the role played by various aspects of the environment in the causation of human and animal diseases

SPH 702 History of Medicine

The history of medicine and public health encapsulates the origin and development of medical and public health practice nationally and internationally. At the end of the course, the graduate would have acquired much information concerning the beginning, development and the driving factors of medicine and public health

SPH 703 Health Law and Ethics

Law is concerned with doing what is right (not all legal decisions are ethical), while ethics is concerned with doing the right thing (not all ethical decisions are legal). This course will teach Public health laws and ethics in Nigeria and to some extent, globally

SPH 726 ICT & Public Health

This course should cover essentials of ICT especially the use of Microsoft Word, Spreadsheet, PowerPoint, Access and Project. It will also examine common statistical packages used in health research.

The course is an introduction to project design and planning and will teach the various methods in conducting scientific medical research. It will emphasize quantitative and qualitative designs including how to conduct clinical trials and documentation. It will also introduce the use of computer in data analysis and the use of operational research and functional analysis in project design and evaluation.

SPH 712 Public Health Methods

Public health method defines the various ways of achieving and advancing the multidisciplinary field of public health. This course will identify the various methods of achieving the aim and objectives of public health, e.g.; the primary health care, conducting community-based surveys, making community assessment and diagnosis, outbreak investigations and control, use of epidemiologic approach in solving health-related problems

LIST OF STAFF

S/N	NAME	QUALIFICATIONS	DESIGNATION	SPECIALISATION
1	Prof B. Ordinioha	MB, BS, FMCPH	Professor	History, Environmental Health
2	Prof A. Okpani	MBBS, MSc, FICS, FWACS	Professor	Reproductive Health
3	Prof A. Nte	MBBS, FWACP	Professor	Child & Adolescent Health
4	Prof N. Akani	MBBS, FMCPaed	Professor	Adolescent Health
5	Prof O. Obunge	BSc, MD, PhD, FWACP	Professor	Microbiology/ Laboratory Practice
6	Prof P.C. Stanley	B.Med, MBBS, FWACP, FMCPsych	Professor	Mental Public health
7	Prof O.J. Odia	MBBS, FMCP, FWACP, FRCP	Professor	Ethics
8	Prof Ifeancha	BA, MA, PhD	Professor	Medical Sociology
9	Prof O. Georgewill	B.Med Sc, MBBS, MSc, MD	Professor	Therapeutics
10	Prof Stephen Abah	MBBS, MSc, FWACP	Professor	Environmental Health
11	Prof Michael Asuzu	MB, BS, DOH&S; MSc; FMCPH; FFPHM	Professor	Clinical Epidemiology/Occupational Health
12	Prof Patrick Oyibo	MBBS, FWACP, DrPh	Professor	Health Systems
13	Prof Eme Owoaje	MB, BS, MSc, FWACP	Professor	Rehabilitative & Social Medicine, international health research management
	Prof BSC Uzochukwu	MBBS, MPH, FWACP	Professor	Health Systems
	Prof Chima Onoka	MBBS, MSc, PhD, FWACP	Professor	Health Economics
14	Dr Alphonsus Isara	MBBS, MPH, FMCPH	Reader	Environmental/Occupational Health
15	Dr Vincent Adams	MBBS, MPH, FMCPH	Reader	Reproductive/Family Health
16	Daniel Olusoji	MBBS, PhD, FWACP	Reader	Epidemiology
17	Dr N. Orazulike	MBBS, FWACS, FICS, Dip HSM	Senior Lecturer	Reproductive Health
18	Dr K. Wariso	B. Med Sc, MBBS, FWACP	Senior Lecturer	Public Health Laboratory
19	Dr O.B. Babatunde	MBBS, Cert. Epid, FWACP	Senior Lecturer	ICT/Research
20	Dr C.I. Tobin-West	MD, MPH, Adv Dip Mgt, FMCPH	Senior Lecturer	Epidemiology, Reproductive Health
21	Dr K.E. Douglas	MBBS, FMCPH	Senior Lecturer	Ethics, Occupational Health
22	Dr O. Maduka	MBBS, FMCPH, FRSPH	Senior Lecturer	Epidemiology 1, Epidemiology 2
23	Dr B. Moore	MBBS, MPH	Lecturer 1	Demography
24	Dr D.S. Ogaji	MBBS, MQI, PhD, MNIM, FMCPH	Senior Lecturer	Health System
25	Dr I.D. Alabere	MBBS, MPH, FMCPH, mni,	Senior Lecturer	Health Management, Seminar
26	Dr F. Adeniji	MBCH.B, MSc, FWACP (community Health)	Senior Lecturer	Biostatistics
27	Dr P. Fiebai	MBBS, FWAP	Senior Lecturer	Reproductive Health
28	Dr O. Jackreece	BSc, MSc, PhD	Senior Lecturer	Medical Sociology

29	Dr O. Braimoh	BDS, MPH, FWACS	Senior Lecturer	Dental Public health
30	Dr Datonye Alasia	MBBS, FWACP	Senior Lecturer	Evidence Based medicine
31	Dr Enembe Okokon	MBChB, MSc, PhD, FMCPH	Senior Lecturer	Environmental Epidemiology
32	Dr Soter Ameh	MBBS, MSc, PhD, FMCPH	Senior Lecturer	Field Epidemiology
33	Dr Joseph Usar	MBBS, MSc, PhD	Senior Lecturer	Health Economics
34	Dr Akindele Adebiyi	MB,ChB, MPH, FMCPH, PhD	Senior Lecturer	Clinical & Population Epidemiology, Global Health
35	Dr I.N. Ojule	MBBS, FMCPH	Lecturer 1	Social/Rehabilitative medicine
36	Mrs E. Asuquo	BSc, MEM, MPH, Dip HSM	Lecturer 1	Health Education
37	Dr B. Moore	MBBS, MPH	Lecturer 1	Demography, Internship
38	Dr. Adedayo Tella	MBBS, MSc, FWACP	Part-time Lecturer	Reproductive Health
39	Dr. Ibitein Okeafor	MBBS, MPH, FMCPH	Part-time Lecturer	Reproductive Health Epidemiology/Biostatistics
40	Dr Ayebatari Lawson	MBBS, FMCPH	Part-time Lecturer	Management/ Health Systems
41	Dr. Anastasia Isodje	MBBS, FMCPH	Part-time Lecturer	Epidemiology /Biostatistics
42	Dr Folusho Alamina	MBBS, MSc, FWACP	Part-time Lecturer	Occupational Health
43	Dr. Alafaka Tobin	MBBS, FMCPH	Part-time Lecturer	Epidemiology /Biostatistics
44	Dr. Omonethra Kadiri-Eneh	MBBS, FWACP	Part-time Lecturer	Environmental Health
45	Dr Adetomi Bademosi	MBBS, FWACP	Part-time Lecturer	Medical Sociology, Rehabilitative and Social Medicine
46	Dr Onyinye Mba	MBBS, FMCPH	Part-time Lecturer	Occupational Health
47	Dr Tondor Uzosike	MBBS, FMCPH, FWACP	Part-time Lecturer	Reproductive Health
48	Dr Ifeoma Katchy	MBBS, FWACP	Part-time Lecturer	Epidemiology /Biostatistics
49	Dr Henry Mark	BSc, MSc, PhD	Part-time	Epidemiology/Biostatistics

50	Dr Clement Edet	MBBS, MSc (Pharmacology & Toxicology), MPH, FMCPH	Lecturer Part-time Lecturer	Reproductive/Family Health
51	Dr I. Briggs	MBBS, MPH, FMCPH	Part-time Lecturer	Environmental/Occupational Health
52	Mr Emeka Anyiam	BSc, MSc	Part-time Lecturer	Data Science
53	Dr Iboh Oghu	MBBS, MSc, FWACP	Part-time Lecturer	Occupational Health

Facilities

The current facilities available for use by the Centre include

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- 2 temporary classrooms at the Nuclear Medicine Building in UPTH
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- Facility for management of Drug Resistant Tuberculosis
- Outside organizations and facilities ideal for subspecialty postings



African Centre of Excellence in Public Health and Toxicological Research

MASTER PROGRAMME IN MIDWIFERY/CHILD HEALTH

CURRICULUM

2019

Introduction

Similarly, midwifery is defined as “skilled, knowledgeable and compassionate care for childbearing women, newborns, infants and families across the continuum from pre-pregnancy, pregnancy, birth, after birth and early weeks of life. The evidence shows that midwifery plays a vital role and when provided by trained midwives, is associated with improved quality of care and rapid and sustained reduction in maternal and newborn morbidity and mortality. The core characteristics of midwifery include optimizing normal biological, psychological, socio- cultural and environmental processes of reproduction and early life, timely prevention and management of complications, consultation with and referral to other services.

The African Centre of Excellence in Public Health and Toxicological Research is a regional Centre established to promote collaboration and interdisciplinary research; build a strong reputation for excellence; support teaching, learning, assessment of students; provide uninterrupted research and learning Calendar for local and international students. The Centre’s mission is to become a platform to congregate highly skilled human resource both within and outside the UniPort; build a robust resource of highly skilled and motivated public health professionals who are equipped with current knowledge, skills and competencies required to improve the practice of public health, human/community nutrition, toxicology and midwifery/child health nursing; produce cutting-edge research projects to solve public health issues arising from oil and gas sectors and undertake consultancy and community services.

It is also hoped that, producing highly qualified midwives in the country, would bring positive impact on the health and wellbeing of mothers and their children, in whose quality of life is already compromised with environmental toxicants. Based on this premise, the ACE-PUTOR, Uniport, Midwifery Division was put forward to the World Bank to support midwifery education at master’s level in Nigeria. With this, University of Port Harcourt would be the Nigeria’s first university to start midwifery programme at university level.

Philosophy

The philosophy of the programme is to promote equity, excellence and integrity. This is premised on developing the knowledge, skills and competences of students from diverse academic backgrounds, but with creative minds who are desirous to acquire more skills and experiences that would prepare them for leadership roles in midwifery/child health.

Vision

To be a highly-sought, world-class academic and professional programme in midwifery/child health that are recognized for local relevance, international excellence and global impact in the field of midwifery/child health. Being the first Nigerian institution to offer midwifery at the university level, our vision is to continually improve our status as the first center of excellence for midwifery education in Nigeria.

Mission

To build a robust resource of highly skilled and motivated midwifery/child health professionals who are equipped with current knowledge, skills and competencies required to improve the practice of midwifery and become managers and leaders in both the public and private health sectors.

Rationale for the Graduate Programmes

The rationale for establishing the Masters programme in midwifery/child health is to rapidly bridge the current and obvious paucity of adequately trained experts in the field of midwifery/child health in public and private health/academic institutions in Rivers State, the Niger Delta region and the country in general. This proposed programme of study is intended to address this gap by training individuals who want to develop their expertise in various subspecialty of public health and midwifery/child health.

Aim and Objectives of the Midwifery/Child Health Programme

The aim of the midwifery/child health training programme is to produce the highest quality midwifery/child health specialists and academicians who are able to implement and sustain quality midwifery interventions and programmes in all tiers of health care, within local environments and anywhere in the world.

The objectives are:

- To provide training in midwifery/child health to qualified health professionals and to other individuals whose prior training and experience prepares them to play a leadership role in the health sector;
- To adapt midwifery/child health training to the diverse backgrounds and anticipated future careers of the students;
- To award the degrees to individuals who have acquired a particular depth of knowledge in midwifery/child health practice.

Admission Requirements

The master programme in midwifery/child health will be open to candidates who possess:

1. Bachelor of Nursing Sciences with Cumulative Grade Point Average (CGPA) of not less than Second Class Upper Division. Those with a high Second Lower Division with CGPA above 3.0 may be considered.
2. Bachelor of Science Midwifery with Cumulative Grade Point Average (CGPA) of not less than Second Class Upper Division. Or A high Second Lower Division with CGPA above 3.0 may be considered.
3. Must be a trained and licensed nurse.

Title of Masters Studies

- **Master of Science in Midwifery and Child Health (MSc Midwifery/Child Health)**

Available Options

- **Full time Masters – 12 months (minimum) to 24 months (maximum)**
- **Part-time Masters – 24 months (minimum) to 36 months (maximum)**

Graduation Requirements

To qualify for the award of the Master degree, the candidate must have successfully completed all the prescribed courses in the programme including a supervised dissertation in their area of interest and have met other requirements of the School of Graduate Studies.

List of Courses in Master in Midwifery & Child Health

Course code	Credit Units	Course Title
PUT 801.1	2	Legal-Ethical Issues in Midwifery
PUT 802.1	3	Theories and Practices of Community-Based Health Care
PUT 803.1	3	Advanced Community Midwifery
SCI 801.1	2	ICT & Research Methodology
SCI 802.1	2	Management and Entrepreneurships
PUT 804.2	4	Professional Leadership and Accountability in Maternity Care
PUT 805.2	6	Advanced midwifery
PUT 806.2	6	Advanced Neonatology and Child Care
PUT 807.2	2	Seminar in Midwifery
PUT 808.2	6	Dissertation
Total credits	36	

Course Description

SCI 801.1 ICT & Research Methods

This course should cover the essentials of ICT, especially the use of Microsoft Word, Spreadsheet, PowerPoint, Access and Project. It will also examine common statistical packages used in health research.

The course is an introduction to project design and planning and will teach the various methods in conducting scientific medical research. It will emphasize quantitative and qualitative designs including how to conduct clinical trials and documentation. It will also introduce the use of computer in the analysis of data and the use of operational research and functional analysis in project design and evaluation.

Other areas covered include - Planning a Research; Ethical Issues in Research; Study Designs in Medicine and Public Health; Choice of Topic; Introduction (Problem Definition, Objectives); Formulation of hypothesis; Testing of hypothesis; Literature Search/Literature Review; Materials & Methods; Sample Size determination/Calculation; Instrument for data collection; Data Collection/Management; Presentation of Results (Data Presentation, Analysis etc.); Discussion, Conclusion and Recommendations; Referencing; Project Write-Up.

SCI 802.1 Management & Entrepreneurships

Covers concepts, history and development of entrepreneurship, the entrepreneur, Qualities and characteristics. The Entrepreneur and Business Environment, Identifying Business Ownership and Registration, starting and developing business ventures, Legal forms of business ownership and registration. Types of business ownership, feasibility studies, Role of Small and Scale Enterprise (SME) in the economy, Role of Government in Entrepreneurship, Business location and layout. Accounting for SME, Financing, SME, managing of SME, Risk Management of SME, success and failure factors of SME, Prospects and challenges of Entrepreneurship in Nigeria Entrepreneurship in Nigeria Entrepreneurship. This course would

expose the students to the practice of applied management and entrepreneurship. The students would learn how to enhance their entrepreneurship skills and manage their own business. Business prospects for students in higher institution would be taught and the student would learn how to get into the right business.

PUT 801.1 Legal-Ethical Issues in Midwifery

The purpose of the course is to familiarize the students with the key concept of professional, ethical- legal systems and approaches to midwifery practice. Ethic and midwifery issues in contemporary practice. The course will cover legal system and accountability of the midwife, client rights, litigation and accountability and statutory provisions. Introduces students to the Nigeria legal system; the rights and responsibilities of the client and midwife in the health system; Undertake selected legal case studies with its implications for midwifery practice.

PUT 802.1 Theories and Practices of Community-Based Health Care

The students will pursue in-depth study in a selected topic area in community-based health care. Models/theories will be evaluated for their usefulness in community-based health care. The nature of community health issues; community health practices, contemporary issues in community-based health care research; information and management systems in community-based health care practice; concepts of epidemiology; determinant of disease and health; epidemiological theories; specific epidemiological case studies; principles and practice of disease control, health education, community health nutrition and environmental health programmes.

PUT 803.1 Advanced Community Midwifery

The course is designed to enhance the provision of midwifery/ child health nursing care for women and newborns, their families and relevant communities. It intends to improve existing skills and abilities in midwifery interventions and activities that are vital for the provision of professional midwifery care for childbearing families. Use of Models of community midwifery care. Also, development of leadership, consulting, coordinating and decision-making skills in the community.

PUT 804.2 Professional Leadership and Accountability in Maternity Care

The course explores both individual professional accountability and organizational professional leadership. It covers, leadership in midwifery, leadership theories and styles, barriers to midwifery leadership and ways to overcome the barriers. The course exposes students to various approaches to the improvement of leadership, management and team work, management styles in midwifery. The course also explores the leadership competency model, the code and professional standard of practice, and what the code means for clients and employers.

PUT 805.2 Advanced Midwifery

The aim of the course is to improve the knowledge and competence of the midwife specialist in maternal and child health care. This will enable the midwife specialist to provide the holistic care for the childbearing family as a unit. The course will review current issues related women's health, Reproductive health and special issues in pregnancy and childbirth. It focuses also, on the implementation and evaluation of models of maternity care, including

perspectives on childbirth and assessment of fetal wellbeing including cardiotocography and intermittent auscultation.

PUT 806.2 Advanced Neonatology and Child Care

The course aims at providing the midwife with in-depth knowledge base for the care of the newborn, the health assessment and specialist healthcare. National standards for neonatal care, ward management of a neonate.

PUT 807.2 Seminar in Midwifery

This seminar is designed to provide opportunities for students to pursue in depth study in a selected topic area in midwifery. Models/theories will be evaluated for their usefulness in midwifery.

PUT 808.2 Dissertation

The candidate must design and execute an acceptable original project in any area related to midwifery care under supervision of an academic member of staff. For these projects, students will carry out original research. They will thus be exposed to practical research methods such as the design of empirical studies, questionnaire design, data collection, collation, analysis interpretation, and reporting. Referencing shall be the APA style.

Ethical approval MUST be obtained from the Research and Ethics Committee of the College. Defense of completed project shall be done at a date fixed by the departmental graduate committee and according to the guidelines set by the graduate school. The project shall be submitted in quarto size paper in PURPLE bounded format and duly certified by the project supervisor and must be submitted before the closing date given by the department.

List of Staff

S/N	NAME	QUALIFICATIONS	DESIGNATION	SPECIALISATION
1	Prof A. Okpani	MBBS, MSc, FICS, FWACS	Professor	Reproductive Health
2	Prof A. Nte	MBBS, FWACP	Professor	Child & Adolescent Health
3	Prof N. Akani	MBBS, FMCPaed	Professor	Adolescent Health
4	Dr Faith Diorgu	PhD Midwifery, PhD Edu. Psych; M.Sc Midwifery, M.Ed Edu. Psych.; B.Sc Nursing	Senior lecturer	Midwifery
5	Dr O.B. Babatunde	MBBS, PgCert. Epid, MPH, FWACP	Senior lecturer	Research Methodology & ICT, Reproductive Health
6	Dr N. Orazulike	MBBS, FWACS, FICS, Dip HSM	Senior Lecturer	Reproductive Health
7	Dr P. Fiebai	MBBS, FWAP	Senior Lecturer	Reproductive Health
8	Dr Chioma Ndikom	PhD MCH Nursing, M.Sc MCH Nursing B.Sc. Nursing	Senior Lecturer	Maternal and Child Health Nursing
9	Dr Aluko Joel Ojo	PhD Midwifery/ Neonatology, MSc MCH, BSc Nursing	Senior lecturer	Midwifery /Neonatology
10	Dr Splendor Chikodili	PhD MCH Nursing, MSc MCH Nursing BSc. Nursing	Senior lecturer	Maternal and Child Health Nursing
11	Dr Olayinka Onasoga	PhD. MCH Nursing, MSc MCH Nursing, BSc Nursing	Lecturer 1	Maternal and Child Health Nursing
12	Dr Josephine Gbobbo	PhD Nursing Admin.	Lecturer 1	Nursing Administration
13	Dr Elizabeth Ouali	PhD Nursing Admin.	Lecturer 1	Nursing Administration
14	Professor Mary Steen	PhD Midwifery	Professor of Midwifery (Visiting)	Maternal and Child Health, Midwifery
15	Professor Josephine Etowa	PhD Nursing	Professor of Nursing (Visiting)	Maternal, Newborn and Child Health, Qualitative Research
16	Dr Jean Hannan	PhD Nursing	Associate Professor (Visiting)	Nursing Education and research
17	Dr J. Craig Phillips	PhD Nursing	Associate Professor of Nursing (Visiting)	Nursing Education/Research

Facilities

The current facilities available for use by the Centre include:

- Office of the Director at the Nuclear Medicine Building in UPTH
- 2 temporary classrooms at the Nuclear Medicine Building in UPTH
- 8 offices at the Faculty of Clinical Sciences
- 4 classrooms at the Faculty of Clinical Sciences
- specialty postings centres at UPTH, RSUTH



The University of Port Harcourt School of Public Health (UPH-SPH)

MASTERS PROGRAMMES IN EPIDEMIOLOGY, ENVIRONMENTAL HEALTH, OCCUPATIONAL HEALTH AND HEALTH SYSTEMS MANAGEMENT

CURRICULUM

2019

Introduction

Public health has been defined as ‘the science and art of preventing disease, prolonging life and promoting physical health and efficiency through organised community efforts for the sanitation of the environment, the control of community infections, the education of the individual in the principles of personal hygiene, the organization of medical and nursing services for the early detection and preventive treatment of disease, and the development of the social machinery which will ensure to every individual in the community a standard of living adequate for the maintenance of health’ (Winslow, 1920).

Public Health is a discipline which involves acquisition of skills and competences essential for the practice of health promotion, protection and prevention of diseases. Public Health is a multidisciplinary field comprising medical and other health-related disciplines. The MPH and MSc degrees prepare professionals for leadership positions in Public Health.

The recent emergence of the World Bank funded African Centre of Excellence in Public Health and Toxicological Research (PUTOR) is providing great impetus to expand training and research in public health. These programmes under the University of Port Harcourt School of Public Health would support the needed results for the performance-based funding. The generic master of public health and master of science in public health had been approved and running since 2013. It is pertinent to state that we have achieved an excellent track record by graduating students timeously (5th set had concluded their training and the 6th would be doing so this year) irrespective of the vagaries in the Nigerian University System especially in recent times.

The courses are designed and bear as prefixes, the nomenclature of the existing divisions under the University of Port Harcourt School of Public Health.

Philosophy

The philosophy of the programme is to promote equity, excellence and integrity. This is premised on developing the knowledge, skills and competences of students from diverse academic backgrounds, but with creative minds who are desirous to acquire more skills and experiences that would prepare them for leadership roles in public health.

Vision

To be a highly-sought, world-class academic and professional programmes in various subspecialty of public health and midwifery/child health that are recognized for local relevance, international excellence and global impact in the field of public health.

Mission

To build a robust resource of highly skilled and motivated public health professionals who are equipped with current knowledge, skills and competencies required to improve the practice of public health and become managers and leaders in both the public and private health sectors.

Rationale for the Masters Programmes

The rationale for establishing the multi-specialty academic and professional streams of the Masters programme in public health is to rapidly bridge the current and obvious paucity of adequately trained experts in the field of public health in public and private health/academic institutions in Rivers State, the Niger Delta zone, the country and the African region in general. The proposed programme of study is intended to address this gap by training individuals who want to develop their expertise in various subspecialty of public health.

Aim and Objectives of the Public Health Programmes

The aim of the public health training programme is to produce the highest quality Community and Public Health specialists and academicians who are able to implement and sustain quality Community and Public Health interventions and programmes in all tiers of health care, within local environments and situations and anywhere in the world.

The objectives are:

- To provide training in public health to qualified health professionals and to other individuals whose prior training and experience prepares them to play a leadership role in public health;
- To adapt public health training to the diverse backgrounds and anticipated future careers of the students;
- To award the degrees to individuals who have acquired a particular depth of knowledge in public health practice.

Admission Requirements

The Masters Programmes in Public Health will be open to:

- Candidates who possess a first degree in medicine, basic medical sciences, pharmacy, nursing and other courses allied to medicine. Eligible candidates in these disciplines must possess a Second Class Honours Degree with at least a CGPA of 3.00 on a 5-point scale or its equivalent
- Holders of a post-graduate diploma (PGD) in public health with a CGPA of 3.00

Titles of Masters Studies

Master of Science in Public Health (MSc Public Health) with specialization in occupational health, environmental health, epidemiology, health systems management and population/reproductive health

Programme Duration

- **Full time Masters – 12 months (minimum) to 24 months (maximum)**
- **Part-time Masters – 24 months (minimum) to 36 months (maximum)**

Graduation Requirements

To qualify for the award of the Master's degree, the candidate must have successfully completed all the prescribed courses in the programme including the thesis and met other regulations of the school of graduate studies

Outline of Courses

The general courses would be undertaken by all master's students and these comprised 22 credit units of the total credits of each of the master's programme. The remaining credits required to make up the entire training is shown in the table below.

Table of list of courses, code and credit units

General courses

Code	Unit	Course
PUH801	1	Introduction and History of medicine/public health

PUH 802	1	Ethics in health care
PUH 809	3	Medical statistics
PUH 805	3	Principles of epidemiology
PUH 802	2	Health promotion and education
SCI 802	2	ICT & Research methodology
SCI 801	2	Management and entrepreneurship
PUH833	1	Internship
PUH 822	1	Seminar
PUH 821	6	Thesis

Specialised courses in occupational health

Code	Unit	Course
PUH 836	2	Social Medicine and Rehabilitation
OHS 807	2	Principles of Occupational Health Services
OHS 818	3	Workplace Hazards and Safety Management
OHS 805	3	Occupational Diseases
OHS 841	2	Occupational Hygiene
OHS 844	2	Occupational Health Laws, Policies and Practice

Specialised courses in Environmental Health

Code	Unit	Course
ENH 802	2	Water and Sanitation
ENH 803	2	Physical Pollution/ Housing
ENH 804	2	Climate Change and Health/Disaster Management
ENH 818	2	Environmental Health Policies and Legislations
ENH 813	2	Hazard Identification and Quantification
ENH 806	2	Environmental Impact Assessment
ENH 807	2	Food Safety
ENH 808	2	Environmental Toxicology

Specialised courses in Epidemiology

Code	Unit	Course
EPI 881	2	Communicable Disease Epidemiology
EPI 882	2	Non-Communicable Disease Epidemiology
EPI 890	2	Advanced Statistics in Epidemiology
EPI 883	3	Advanced Epidemiological Techniques/ Clinical Trials
EPI 891	2	Introduction to Spatial Epidemiology
EPI 892	2	Systematic Reviews and Meta-Analysis
PUH 817	1	Demography

Spacialised courses in Health Systems Management

Code	Unit	Course
HSM 807	2	Principles of Organising Health Services
PUH 807	3	Health Systems
HSM 841	2	Leadership in Healthcare
HSM 842	2	Health Planning and Evaluation
HSM 843	2	Health Policy and Legislature
HSM 844	2	Health Care Quality Improvement
HSM 845	2	Health Financing and Economics
HSM 841	1	Operational Research in Health Care (Elective)
PUH 818	1	Evidence-Based Public Health (Elective)

Specialised courses in Population/Reproductive Health

Code	Unit	Course
PRH 851	2	Fundamentals of MCH: Issues, Programs & Policies
PRH 805	2	Adolescent Sexual and Reproductive Health Issues
PUH 819	2	Public Health Nutrition
PRH 841	2	Gender and Health
PRH 842	2	Fertility and Family Planning
PRH 845	3	Current and Critical Issues in Reproductive Health
PUH 817	2	Demography
MCH 851	2	Fundamentals of MCH: Issues, Programs & Policies

Course Description

PUH 801 Introduction and History of medicine/public health (1 credit)

This course will teach the history of medicine in antiquity through the middle ages down to the scientific era and the history of medicine in Nigeria. It will also teach the birth and rise of public health preventive medicine social medicine and the dinging concepts in public health and medical revolution.

Broad areas covered include - History of Medicine; History of medicine in Nigeria; Health system – traditional and modern health systems; Formal and lay health care in Nigeria; Alternative medicine; Health professional groups; The Health Team; Definition and Sub-Specialties in Community Medicine; The Role of the Community Health Physician; The Doctor’s Role in the society; Behavioural and Non-Behavioural Factors in Health and Disease.

PUH 802 Ethics in health care (1 credit)

This course is to acquaint the students with the ethical knowledge necessary for medical research. It will introduce the students to the basic ethical principles and the key issues in research, tracing the history of biomedical ethics to current ethical issues in medical research. Broad areas covered include - History and Evolution of Biomedical Ethics; International Code of Biomedical Ethics; professional negligence/Responsibility/Confidentiality/Misconduct/appearance in court; The Doctor and the Law: Judicial, Coroner's Court, Professional Liabilities of Biomedical Practitioners, Ethical considerations in Medical Advancements (IVF, genetic engineering, abortion), Biomedical jurisprudence, ethical consideration for dead and dying patients, ethics and relationships with colleagues, patients, teachers, the society and the law.

PUH 809 Medical statistics (3 credits)

This course will teach basic and inferential statistics as applied to clinical and epidemiological studies. This will include standard statistical concepts of data description, hypothesis testing including test statistics, correlation, p-values, significant levels, confidence intervals and linear regression. It will equip prospective students with basic and advanced skills in quantitative reasoning and application necessary for medical research.

Broad areas include - Introduction to statistics; Types of data, types of variables, Types of distribution; Sources of Data, Tools for Data Collection; Scales of Measurement; Diagrammatic Presentation of Data - Histograms, Pie charts, Bar Charts, Graphs, Pictogram etc; Numerical Presentation of Statistical Data - Measures of Central Tendency and Location; Measures of Dispersion; Tabular presentation – simple and cross table etc; Population, Samples and Sampling Techniques; Probability Theory; Estimating Population Values; Inferential Statistics; The Standard Normal Curve; Standard errors; Confidence Intervals; Tests of Significance - Z-Test, t-Test, Chi-Square Test; Association, Correlation and Regression; Uses of Statistics

PUH 805 Principles of epidemiology (3 credits)

Overview of the fundamental epidemiologic methods used in public health research and practice. The student will be familiarized with basic measures used in describing disease frequency in populations. Descriptive and analytic approaches to the study of disease will be explored, and a perspective on the role of epidemiologic methods in health services planning and evaluation will be provided. It will teach the basic concepts and principles of epidemiology and disease outbreak investigation, the application of epidemiologic principles in the control of diseases of public health importance. It will emphasize disease distribution, determinants and deterrents in communicable and non-communicable disease conditions.

Broad aspects covered include - Epidemiology: Definition. History, Distribution and Determinants of Diseases: Biological, Behavioural, Social, etc, Epidemiological approach, Infective Agents: Reservoir of Infection, Transmission of Communicable Diseases, Host Factors, Epidemiologic triad, Natural history of disease, spectrum of diseases, Risk Factors in the Epidemiology of Communicable and Non-Communicable Diseases.

Epidemiological Methods: Epidemiological Tools – Rates (Crude and Specific), Ratios, Percentages, etc, epidemiological Methods: epidemiological Studies, Disease Surveillance and Notification, Screening and Screening Tests, Uses of Epidemiology, Principles of Disease Control, Levels of Prevention, Epidemiological Transition

PUH 813 Applied Epidemiology (3 credits)

This is a continuation of epidemiology¹ and will involve the application of epidemiological principles to the control of communicable and non-communicable diseases as well as health-related events. The course will also teach basic concepts in the principles of transmission and control of communicable diseases.

Broad areas covered include - Epidemiology and Control of Communicable Diseases According to their Routes of Transmission; Epidemiology and Control of Viral Infections (Poliomyelitis, HIV/AIDS, Viral Hepatitis A-G, Yellow Fever, Chickenpox, Lassa fever, Ebola, Exotic Diseases, Rabies, Measles, Rubella, Mumps, Viral RTIs,); Epidemiology and Control of Bacterial Infections (Tb, Leprosy, Enteric Fevers, Bacillary dysentery, Cholera, Bacterial Food Poisoning, Tetanus, Bacterial Pneumonia, Meningococcal Infections, Rheumatic Fever, Pertussis, Diphtheria, Plague, Anthrax, Chlamydial Infections); Epidemiology and Control of Protozoal Infections (Malaria, Amoebiasis, Giardiasis, Trichomoniasis, Trypanosomiasis; Epidemiology and Control of Fungal Infections (Superficial Fungal Infections, Candidiasis; Epidemiology and Control of Helminthic Infestations (Ascariasis, Trichuriasis, Enterobiasis, Visceral Larva Migrants, Cutaneous Larva Migrants, dracontiasis, Taeniasis, Hydatid Disease, Fascioliasis, Hookworm, Schistosomiasis, Stroglyloidiasis, Bancroftian and Malayian Filariasis, Loaiais, Onchocerciasis,); Epidemiology and Control of Arthropod Infestations (Scabies, Lice, Ticks, Mites); Epidemiology and Control of Special Groups of Communicable Diseases - STIs, Zoonoses, Diarrhoeal Diseases, Emerging and Re-Emerging Infectious Diseases, Hospital Infections.

Control Programmes for Communicable Diseases in Nigeria; Epidemiology and Control of Genetic and Congenital Diseases - Sickle Cell Disease, Down's syndrome; Epidemiology and Control of Juvenile Delinquency

Accidents - RTA and Home Accidents; Epidemiology and Control of Asthma and Peptic Ulcer; Epidemiology and Control of Diabetes (DM, DI), Hypertension, Sickle Cell Disease, Coronary Heart Disease, G6PD Deficiency, Ca Breast, Ca Cervix, Ca Prostate; Control Programmes for Non-communicable Diseases in Nigeria

PUH 802 Health promotion and education (2 credits)

This course will teach ways and methods that will make people value health as a worthwhile asset, with a desire to live long and feel well. The emphasis will be on what people can do as individuals, families, communities to protect and improve their health. At the personal and family levels emphasis will be placed on such matter as exercise, deadliness in the home diet and discipline with regard to the use of tobacco and alcohol. At the community level and beyond, emphasize will be on environmental sanitation etc.

Broad areas covered include - Health Education - Principles, Methods and Strategies; Principles of learning and behavioural change; Assessment of learning needs (individual, community); Designing educational materials

Evaluation of health education programme; Health Education in the Control of Communicable and Non-Communicable Diseases; Health promotion

SCI 802 ICT & Research methodology (2 credits)

This course should cover essentials of ICT especially the use of Microsoft Word, Spreadsheet, Power point, Access and Project. It will also examine common statistical packages used in health research.

The course is an introduction to project design and planning and will teach the various methods in conducting scientific medical research. It will emphasize quantitative and qualitative designs including how to conduct clinical trials and documentation. It will also introduce the use of computer in data analysis and the use of operational research and functional analysis in project design and evaluation.

Other areas covered include - Planning a Research; Ethical Issues in Research; Study Designs in Medicine and Public Health; Choice of Topic; Introduction (Problem Definition, Objectives); Formulation of hypothesis

Testing of hypothesis; Literature Search/Literature Review; Materials & Methods; Sample Size determination/Calculation; Instrument for data collection; Data Collection/Management; Presentation of Results (Data Presentation, Analysis etc); Discussion, Conclusion and Recommendations; Referencing; Project Write-Up

SCI 801 Management and entrepreneurship (2 credits)

This course would expose the students to the practice of applied management and entrepreneurship. The students would learn how to enhance their entrepreneurship skills and manage their own business. Business prospects for students in higher institution would be taught and the student would learn how to get into the right business. Covers concepts, history and development of entrepreneurship, the entrepreneur, Qualities and characteristics. The Entrepreneur and Business Environment, Identifying Business Ownership and Registration, starting and developing business ventures, Legal forms of business ownership and registration. Types of business ownership, feasibility studies, Role of Small and Scale Enterprise (SME) in the economy, Role of Government in Entrepreneurship, Business location and layout. Accounting for SME, Financing, SME, managing of SME, Risk Management of SME, success and failure factors of SME, Prospects and challenges of Entrepreneurship in Nigeria Entrepreneurship in Nigeria Entrepreneurship. This course would expose the students to the practice of applied management and entrepreneurship. The students would learn how to enhance their entrepreneurship skills and manage their own business. Business prospects for students in higher institution would be taught and the student would learn how to get into the right business

PUH 808 Environmental Health (3 credits)

This course will teach the impact of the environment on human health. It will emphasize those aspects of human health including quality of life that are determined by physical, chemical, biological, social and psychological factors in the environment. Specifically, it will dwell on the theory and practice of accessing, correcting, controlling and preventing those factors in the environment that can potentially affect adversely the health of the present and future generations. Emphasis will be placed water sources and purification, waste management, housing and health, food and health, vector and pest control etc.

Broad areas covered include - Components of the Environment - Biological, Physical and Social; Ecological Concepts; Man's Interaction with the Environment: Adaptation Process, Balance and Change; Socioeconomic Activities and the Human Environment – Deforestation, Irrigation, Dams, Industrialization, etc; Environment and health; Geography and health; Urbanization and health; Introduction to Environmental Health.

Environmental Sanitation and its Components; Water and Health, Sources of Water; Uses of Water; Examination of Water, Purification of Water, Water Supply; WHO Water Programmes; Food Hygiene; Safe Guarding of Food; Housing and Health; Disposal of Wastes - Sewage and Refuse, Disposal of the Dead. Control of Vectors, Other Pests and Animal Reservoirs of Infection; Insecticides of Public Health Importance. Air Hygiene and Prevention of Atmospheric Pollution; climate change; Legislation and Environmental Health - Public Health Laws; The Petroleum Industry and the Niger Delta; The Ozone Layer; Green House Gases. Disaster Management; Refugees; Environmental Toxicology; Environmental Impact Assessment

PUH 836 Social Medicine and Rehabilitation (2 credits)

This course will acquaint the students with the requisite knowledge on social problems in the community. Introduction to Social Medicine; Health assessments e.g. HDI, QALY, DALY; Social Deviance; Alcoholism; Drug Abuse; Smoking; Domestic violence These include Problems of the Aged, Social Welfare Services in Nigeria and Other Countries; Care of the Handicapped; The Underprivileged in the Society, Disability. Violence: Classification and Causes, Violence Against Women, Domestic violence e.g. battered wife syndrome, rape.

Disability, Handicap, Impairment; Classification and Causes of Handicaps; Problems of the Aged.

Social Welfare Services in Nigeria and Other Countries; Care of the Handicapped; Orphanage; Old People's Home; Remand Homes; Prisons; Care of the terminally ill and hospice care; Voluntary Agencies in health and social services; Emergency preparedness and Federal, State and Local Government Levels

PUH 832 Medical Sociology (2 credits)

This course will teach the concepts of behavioural sciences, relevance and contributions of Sociology to Medicine, explore illness behaviour and patient-doctor relationships. Also, student will learn patient care management, hospital organizations, and use of health services in Nigeria.

Broad areas covered include - Introduction to Medical Sociology; Definition of Health, Disease, Sickness, Illness; Socialization; Role Differentiation; Beliefs, Values, Norms, Superstitions, Taboos etc; Human organizations and Systems: Family Systems, Marriage Types and Stability; Type of Societies, Social Classification; Culture and Health – Beneficial, Harmful and Neutral Practices; Religion and Health; Socio-Economic Status and Health; Educational Status and Health; Traditional and Modern Health Systems in Nigeria
Recreation, Sleep; Behavioural concepts in Public Health; Change processes; Health Behaviour and Illness Behaviour; Working Population, Unemployment, Retirement, Ageing; Dependency; Social Security

PUH 807 Health Systems (3 credits)

This course will provide the students with an understanding of the Nigerian Health System. It would explore the stewardship organs at the Federal, State and Local Government level and examine the delivery of health services, generation of resources and financing of the service at the various levels. Key policies and legislations would be studied as well as areas of reforms and research. It will examine the Processes in health care – needs, use, demand, supply, unmet needs; alternative medical care; Health professional groups. It would expose the students to the Concepts, history and standing theories, the United nation systems; International Health Organizations and Agencies; International Health Regulations; Travel medicine. It will also examine the global Health workforce – Challenges and the future; Global Health and Trade; the Sustainable Development Goals and finally examine critical issues on who does what in international health? And if accountability is intact?

PUH 817 Demography (1 credit)

This course will expose students to the meaning and nature of demography which include: sources and types of demographic data; population structure and dynamics; presentation of demographic data and rates. Also, basic measures of fertility, rates of natural increase; population growth and estimates and migration and mortality rates will be taught.

Broad areas covered include - Demography – Definition, Uses; Population Composition – Age, Sex, Occupation, Ethnicity etc; Population Dynamics (Fertility, Mortality, Migration, Population Structure, Growth and projection); Sources of Population Data; Sources of Health and Vital Statistics; Cancer Registration; Demographic Transition; Malthusian Theory of Population; Census – National and Local; World Population and Policy; the National Population Policy; Interaction between Medical Action, Population, Health and Population Growth; Measurements of Health and Disease; Different Rates and their Uses; Standardization of Vital Rates

PUH 812 Reproductive and family health (2 credits)

This course will teach the concepts of human needs and development throughout the life cycle though with emphasis on women and children's health issues. These will include; Gender Equity, Equality and Women Empowerment, Safe Motherhood, Family Planning – Information and services, Prevention and management of Infertility and sexual dysfunction in both men and

women, Prevention and Management of Complications of abortion, Prevention and Management of reproductive tract infections and sexually transmitted infections including HIV/AIDS. Broad areas covered include - Introduction to Family Health; Concept, Components and Objectives; Measurements in Family Health; Health Problems and Health Needs of Mothers and Children; Determinants of Health of Mothers and Children; Family Health Practice; birth preparedness; Maternal Health Care Services, Infant Welfare Clinic; Organization and Evaluation of Family Health Programmes; Immunization Programmes; Population Dynamics and Family Planning; The “At Risk” Concept in MCH; Safe Motherhood Initiative; Integrated Management of Neonatal and Childhood Illnesses; School Health - Aims and Objectives; The School Health Programme

PUH 819 Public health nutrition and dietetics

This course will teach the components of food, their functions in the body, utilization and effects on the body. The role of food in health and disease, as well as common nutritional problems and their management will be taught. The course will emphasize nutrition in vulnerable groups like children and pregnant women, the aged, in refugees, as well as in certain diseases like HIV/AIDS, Diabetes mellitus, cancers, hypertension etc.

Broad areas covered include - Nutrition and Health; Classification of Food; Nutritional Values of Common Nigerian Foodstuffs; Culture and Nutrition; Beliefs and Taboos; Infection and Nutrition; Breastfeeding Weaning Practices; Food Policy; The National Breast Feeding Policy; Food Hygiene and Toxicology Nutrition Education; Applied Dietetics I - Diet in the Aetiology and Management of Diseases (Kwashiorkor, Marasmus, Vitamin Deficiencies, Mineral Deficiencies, Obesity, Hyper-vitaminoses, etc); Applied Dietetics II – Diet in the Aetiology and Management of Diseases (Diabetes, Essential Hypertension, Coronary Heart Disease, Liver Failure, Goitre, Myxoedema, Cretinism, Dental Caries, Anaemia); Assessment of the Nutritional Status of a Community

EPI 882 Non-Communicable Disease Epidemiology (2 credits)

This course will teach the application of the basic principles of epidemiology and of the control and prevention of non-communicable diseases. Specific topics will include: the epidemiology of NCD in relation to cardiovascular health, diabetes, cancer and congenital anomalies, drawing on the experience of researchers working in these fields. As well as an understanding of the biology, aetiology and trends in incidence of these diseases, the module will include in depth coverage of exposure epidemiology including exposure measurement, validation and study design. Specific exposures include diet, chemicals, radiation, toxicology and lifestyle factors including deprivation and obesity and include molecular epidemiology. Molecular epidemiology and the application of biomarkers for the assessment of exposure such as protein/DNA adducts; Biological effects such as altered protein expression, DNA mutation, micronuclei, methylation and their association with disease development with an emphasis on cancer; Case studies of exposure based on case control, cohort and ecological study designs emphasising the issues raised in controlling for confounding exposures and the need for accurate measurement protocols.

EPI 890 Advanced Statistics in Epidemiology (2 credits)

The objectives of this course are to: introduce basic methods of statistical inference as the key tools for investigating diseases in a population; introduce the concept of likelihood given a parametric model; introduce the general framework of likelihood-ratio testing and frequentist methods, including a range of specific hypothesis tests used when studying health and disease in populations; discuss the use of prior distributions and Bayes' theorem and to introduce the Bayes' solution to some basic decision problems relevant to studying health and disease in populations.

EPI 883 Advanced Epidemiological Techniques/ Clinical Trials (3 credits)

The course will cover - Distribution of disease: Modelling trends in incidence rates; age-period-cohort models; Introduction to spatial methods; Use of census data; ecological regression methods; Screening: Methods in screening; Agreement; predictive values; sensitivity/specificity; ROC curves; Survival analyses: Survival analysis using non-parametric approaches (actuarial/Kaplan-Meier survival estimates)log-rank/ Wilcoxon tests), semi-parametric (Cox proportional hazards model) and an awareness of parametric models (accelerated failure time model, relative survival analysis); Modelling and bias: Model building, model diagnostics, fitting time-dependent variables, Meta-analysis methods; assessing publication bias; Binary outcome methods; conditional and unconditional logistic regression with a particular focus on case-control analyses; Adjustment for confounding; Identifying sufficient sets of confounders; Identification of, and adjustment for, participation bias, matching.

Clinical Trials will provide an outline to the statistical principles of clinical trial design, conduct, analysis and reporting. The emphasis will be on understanding the practical issues that arise through real examples backed up with the relevant theory. Pre-requisite knowledge of linear modelling is required. The module provides a grounding in the basic specialist knowledge and skills required by a statistician working within a Clinical Trials Unit. The course will cover the following subjects:

- Basic concepts in clinical trials
- Choice of trial designs, including analysis implications
- Methods of random allocation of treatments to patients
- Definition and handling of protocol deviations in the analysis
- Sample size considerations
- Implications of multiple comparisons
- Quality assessment in systematic reviews and meta-analyses
- Practical issues in randomised trials

EPI 891 Introduction to Spatial Epidemiology (2 credits)

Spatial epidemiology is one of most important branches in Epidemiology to investigate spatial distribution of diseases and related determinants of health such as infectious diseases, air pollution, healthcare accessibility, social behaviors, and health inequality. This course will introduce students to spatial epidemiology including basic concepts and methods in spatial data,

spatial statistics and models, and GIS tools (e.g. ArcGIS, GeoDa, and R) applied in epidemiological and public health studies

EPI 892 Systematic Reviews and Meta-Analysis (2 credits)

Candidates would be able to describe the steps in conducting a systematic review - Develop an answerable question using the “Participants Interventions Comparisons Outcomes” (PICO) framework -Describe the process used to collect and extract data from reports of clinical trials – Describe methods to critically assess the risk of bias of clinical trials - Describe and interpret the results of meta-analyses

HSM 807 Principles of Organising Health Services (2 credits)

The purpose of the course is to familiarize the participants with the key international and local principles of organizing, funding and providing health services and public health activities. The course will use examples from countries with interesting and important features in their health care systems such as the United States, United Kingdom, Canada, Australia and Nigeria and Ghana. The principles of implementing the Health Care in real life will be explored. The seminar programme looks at the essential characteristics of Primary Care, specialist level care and public health arrangements. It will also map past and current enthusiasm in reforming the services - where did it all lead to? The ultimate goal is to help the participants to understand their own national systems and critically determine the contradictions and challenges of a given system.

HSM 841 Leadership in Healthcare (2 credits)

This course would expose the students to key leadership theories and examine the relationship between leadership and management. It is design to build the skills of the students in contemporary leadership techniques in health care and would expose them to various approaches of improvement leadership and management effectiveness. Special topics such as quality management, stress management, personal management, time management, teamwork and managing the environment where health care is delivered are also included in this course.

HSM 843 Health Policy and Legislature (2 credits)

This course is designed to equip participants with the necessary Policy and skills applicable to the health care system. Broad areas covered include –The policy process, analysis and health policy formulation.

HSM 844 Health Care Quality Improvement (2 credits)

The course would expose the students to the key concepts in quality improvement and patient safety in health care. It would also examine the various approaches to quality improvement and

build the skills of the students on managing the change process and setting up quality systems in health.

HSM 845 Health Financing and Economics (2 credits)

The course would expose the students to the various modes of financing health care globally and illustrate how these financing modalities affect households. The course would also expose the students to the economics of health care, economic evaluation, attempts by various countries to manage the rising cost of health care and how they can make rational choices in healthcare

HSM 841 Operational Research in Health Care (1 credit)

This would expose the students to the application of advanced analytical methods in making better decisions for healthcare. It will also expose the students to the various forms of evaluation in health care and how to critique decisions on the basis of values, criteria and standards

PUH 818 Evidence-Based Public Health (1 credit)

The course will focus on integrating the themes of clinical expertise and scientific reasoning. Students learn how clinical trials, medical databases, and translational medicine are foundations of evidence-based medicine and patient-centred care. Students will understand the importance and the nature of evidence; ask and answer clinical questions, understand and quantify uncertainties in practice with probabilities; develop tools for searching and organizing data; developing processes for managing and applying evidence into practice; continuous critically appraisal of decision making

PRH 851 Fundamentals of MCH: Issues, Programs & Policies (2 credits)

This course provides a public health perspective for assessing and meeting the health needs of women, children, adolescents and families. Historical and current principles, programs, policies, and practices related to MCH populations will be covered. Historically, the field of MCH has been concerned with the health of pregnant women and their children. Today MCH emphasizes not only children's health but also women's health beyond their reproductive and parenting roles and families as the critical social and cultural environment influencing children's health and development, and the well-being of all family members

PRH 805 Adolescent Sexual and Reproductive Health Issues (2 credits)

This course will look at adolescence, sexual behaviour, and risks that can vary by gender, race, Sexual activity and use of contraceptives by in adolescents by country and the world.

PRH 841 Gender and Health (2 credits)

This course broadly explores women's health issues. Rather than approaching the study of health from the perspective of specific medical conditions, diseases, or treatments, the course will focus on the political, social, cultural, and economic underpinnings contributing to women's health and wellness. This course approaches the study of women's health from both care and policy perspectives. Although specific medical concerns are addressed, these are introduced as exemplars to highlight the roles that critical theoretical analyses play in both defining and understanding women's health issues, as well as their roles in finding solutions that will ensure women's health and wellness.

PRH 842 Fertility and Family Planning (2 credits)

This course will discuss the concept of unmet need—whether for any contraception or for a modern method. It will look at the International Conference on Population and Development ICPD and its concept of fertility regulation as a matter of sexual and reproductive health and rights. It will look at the available contraceptive methods being used: hormonal, intrauterine devices, sterilization, barrier, and natural or traditional methods.

PRH 845 Current and Critical Issues in Reproductive Health (3 credits)

This course will discuss critical and emerging issues in reproductive health in different settings and cultures. Students will be equipped with competencies needed to identify and initiate interesting debates about critical issues that affect both males' and females' RH and that of special populations and their gender dimensions. Students will be prepared to appraise past and present perspectives on critical RH issues with an eye to the future regarding the development of reproductive technologies, industry, disaster and emergency situations.

PUH833 Internship (1 credit)

The students would be exposed to practical training in public health programmes with the relevant industries and sector

PUH 822 Seminar (1 credit)

The students develop a topic of relevance to public health and gives a presentation before a panel

PUH 821 Thesis (6 credits)

The candidate must design and execute an acceptable original project in any area related to health under supervision of an academic member of staff. The project would commence at the second year of the programme although a topic must be agreed on with the supervisor after the first semester of the first year

List of Staff

S/N	NAME	QUALIFICATIONS	DESIGNATION	SPECIALISATION
1	Prof B. Ordinioha	MB, BS, FMCPH	Professor	Environmental Health, History of Medicine
2	Prof A. Okpani	MBBS, MSc, FICS, FWACS	Professor	Reproductive Health
3	Prof A. Nte	MBBS, FWACP	Professor	Child Health, Adolescent Health
4	Prof N. Akani	MBBS, FMCPaed	Professor	Adolescent Health
5	Prof O. Obunge	BSc, MD, PhD, FWACP	Professor	Microbiology, Laboratory Practices
6	Prof P.C. Stanley	B.Med, MBBS, FWACP, FMCPsych	Professor	Mental Health
7	Prof O.J. Odia	MBBS, FMCP, FWACP, FRCP	Professor	Ethics
8	Prof Ifeanacho	BA, MA, PhD	Professor	Medical Sociology
9	Prof O. Georgewill	B.Med Sc, MBBS, MSc, MD	Professor	Therapeutics
10	Prof Stephen Abah	MBBS, MSc, FWACP	Professor	Environmental Health
11	Prof Michael Asuzu	MB, BS, DOH&S; MSc; FMCPH; FFPHM	Professor	Clinical Epidemiology, Occupational Health
12	Prof Patrick Oyibo	MBBS, FWACP, DrPh	Professor	Health Systems
13	Prof Eme Owoaje	MB, BS, MSc, FWACP	Professor	Rehabilitative & Social Medicine, International Health, Research Management
14	Prof BSC Uzochukwu	MBBS, MPH, FWACP	Professor	Health Systems
15	Prof Chima Onoka	MBBS, MSc, PhD, FWACP	Professor	Health Economics
16	Prof. S.F. Brisibe	MBBS, MSc, FWACP	Professor	Health Economics
17	Prof. I. Zubairu	MBBS, PhD, FWACP	Professor	Biostatistics
18	Dr Alphonsus Isara	MBBS, MPH, FMCPH	Reader	Environmental/Occupational Health
19	Dr Vincent Adams	MBBS, MPH, FMCPH	Reader	Reproductive/Family Health
20	Dr Olusoji Daniel	MBBS, PhD, FWACP	Reader	Epidemiology
21	Dr. Bolaji Babatunde	PhD	Senior Lecturer	Environmental Science, Eco-Toxicity and Radiation Toxicology
22	Dr. I. Chijioke-Nwauche	PhD	Senior Lecturer	Eco-Toxicity
23	Dr N. Orazulike	MBBS, FWACS, FICS, Dip	Senior Lecturer	Reproductive Health

S/N	NAME	QUALIFICATIONS	DESIGNATION	SPECIALISATION
		HSM		
24	Dr K. Wariso	B. Med Sc, MBBS, FWACP	Senior Lecturer	Microbiology, Laboratory Practices
25	Dr O.B. Babatunde	MBBS, Cert. Epid, FWACP	Senior Lecturer	Research Methods; Epidemiology/Biostatistics
26	Dr C.I. Tobin-West	MD, MPH, Adv Dip Mgt, FMCPH	Senior Lecturer	Epidemiology, Reproductive Health
27	Dr K.E. Douglas	MBBS, FMCPH	Senior Lecturer	Occupational Health, Ethics
28	Dr O. Maduka	MBBS, FMCPH, FRSPH	Senior Lecturer	Epidemiology
29	Dr D.S. Ogaji	MBBS, MQI, PhD, MNIM, FMCPH	Senior Lecturer	Health Systems
30	Dr I.D. Alabere	MBBS, MPH, FMCPH, mni,	Senior Lecturer	Health Management
31	Dr F. Adeniji	MBCH.B, MSc, FWACP (community Health)	Senior Lecturer	Health Management, Biostatistics
32	Dr P. Fiebai	MBBS, FWAP	Senior Lecturer	Reproductive Health
33	Dr O. Jackreece	BSc, MSc, PhD	Senior Lecturer	Medical Sociology
34	Dr O. Braimoh	BDS, MPH, FWACS	Senior Lecturer	Dental Public Health
35	Dr Datonye Alasia	MBBS, FWACP	Senior Lecturer	Evidence Based medicine
36	Dr Enembe Okokon	MBChB, MSc, PhD, FMCPH	Senior Lecturer	Environmental Epidemiology
37	Dr Soter Ameh	MBBS, MSc, PhD, FMCPH	Senior Lecturer	Field Epidemiology
38	Dr Joseph Usar	MBBS, MSc, PhD	Senior Lecturer	Health Economics
39	Dr Akindele Adebiyi	MB, ChB, MPH, FMCPH, PhD	Senior Lecturer	Clinical & Population Epidemiology, Global Health
40	Dr Mkpe Abbey	MBBS, MRCOG, PHD	Senior Lecturer	Reproductive Health/Toxicology
41	Dr Aroloye Numbere	PhD	Lecturer 1	Ecology
42	Dr I.N. Ojule	MBBS, FMCPH	Lecturer 1	Rehabilitative and Social Medicine
43	Mrs E. Asuquo	BSc, MEM, MPH, Dip HSM	Lecturer 1	Health Promotion & Health Education
44	Dr B. Moore	MBBS, MPH	Lecturer 1	Demography, Internship
45	Dr. Adedayo Tella	MBBS, MSc, FWACP	Part-time Lecturer	Reproductive Health
46	Dr. Ibitein Okeafor	MBBS, MPH, FMCPH	Visiting	Reproductive Health, Epidemiology/Biostatistics
47	Dr Ayebatari Lawson	MBBS, FMCPH	Visiting	Health Management, Health Systems
48	Dr. Anastasia Isodje	MBBS, FMCPH	Visiting	Epidemiology /Biostatistics

S/N	NAME	QUALIFICATIONS	DESIGNATION	SPECIALISATION
49	Dr Folusho Alamina	MBBS, MSc, FWACP	Visiting	Occupational Health
50	Dr. Alafaka Tobin	MBBS, FMCPH	Visiting	Epidemiology /Biostatistics
51	Dr. Omonethra Kadiri-Eneh	MBBS, FWACP	Visiting	Environmental Health
52	Dr Adetomi Bademosi	MBBS, FWACP	Visiting	Medical Sociology, Rehabilitative and Social Medicine
53	Dr Onyinye Mba	MBBS, FMCPH	Visiting	Occupational Health
54	Dr Tondor Uzosike	MBBS, FMCPH, FWACP	Visiting	Reproductive Health
55	Dr Ifeoma Katchy	MBBS, FWACP	Visiting	Epidemiology /Biostatistics
56	Dr Henry Mark	BSc, MSc, PhD	Visiting	Epidemiology/Biostatistics
57	Dr Clement Edet	MBBS, MSc (Pharmacology & Toxicology), MPH, FMCPH	Visiting	Reproductive/Family Health
58	Dr I. Briggs	MBBS, MPH, FMCPH	Visiting	Environmental/Occupational Health
59	Mr Emeka Anyiam	BSc, MSc	Visiting	Data Science
60	Dr Iboh Oghu	MBBS, MSc, FWACP	Visiting	Occupational Health
61	Dr Oluyemi Olagoke Toyinbo	BSc, MSc, PhD	Visiting	Environmental Health/Toxicology
62	Dr Jacob Atsu Mensah-Attipoe	BSc, MSc, PhD	Visiting	Environmental Health/Toxicology

Facilities

The current facilities available for use by the Centre include

- Office of the Director at the Nuclear Medicine Building in UPTH
- 2 temporary classrooms at the Nuclear Medicine Building in UPTH
- Full time consultants in public health covering the ten approved subspecialties, and nine teaching subject areas in public health.
- Public health laboratory
- Public health museum
- Departmental library
- Data processing and computer facilities
- Clinical facilities for the training of resident doctors
- Out-patient clinics for STD, HIV treatment and care, Growth Monitoring, Well Person clinic, Occupational health clinic, family health clinic, family planning, endemic diseases, immunoprophylaxis
- Facility for urban community health programmes at Aluu Health Centre
- Facility for rural community health programmes at Kegbara Dere, in Gokana LGA
- Facility for management of Drug Resistant Tuberculosis
- Outside organizations and facilities ideal for subspecialty postings



The University of Port Harcourt School of Public Health
(UNIPORT-SPH)

MASTERS PROGRAMMES IN EPIDEMIOLOGY, ENVIRONMENTAL HEALTH, OCCUPATIONAL HEALTH AND HEALTH SYSTEMS MANAGEMENT

CURRICULUM

2019

Introduction

Public health has been defined as ‘the science and art of preventing disease, prolonging life and promoting physical health and efficiency through organised community efforts for the sanitation of the environment, the control of community infections, the education of the individual in the principles of personal hygiene, the organization of medical and nursing services for the early detection and preventive treatment of disease, and the development of the social machinery which will ensure to every individual in the community a standard of living adequate for the maintenance of health’ (Winslow, 1920).

Public Health is a discipline which involves acquisition of skills and competences essential for the practice of health promotion, protection and prevention of diseases. Public Health is a multidisciplinary field comprising medical and other health-related disciplines. The MPH and MSc degrees prepare professionals for leadership positions in Public Health.

The recent emergence of the World Bank funded African Centre of Excellence in Public Health and Toxicological Research (PUTOR) is providing great impetus to expand training and research in public health. These programmes under the University of Port Harcourt School of Public Health would support the needed results for the performance-based funding. The generic master of public health and master of science in public health had been approved and running since 2013. It is pertinent to state that we have achieved an excellent track record by graduating students timeously (5th set had concluded their training and the 6th would be doing so this year) irrespective of the vagaries in the Nigerian University System especially in recent times.

The courses are designed and bear as prefixes, the nomenclature of the existing divisions under the University of Port Harcourt School of Public Health.

Philosophy

The philosophy of the programme is to promote equity, excellence and integrity. This is premised on developing the knowledge, skills and competences of students from diverse academic backgrounds, but with creative minds who are desirous to acquire more skills and experiences that would prepare them for leadership roles in public health.

Vision

To be a highly-sought, world-class academic and professional programmes in various subspecialty of public health and midwifery/child health that are recognized for local relevance, international excellence and global impact in the field of public health.

Mission

To build a robust resource of highly skilled and motivated public health professionals who are equipped with current knowledge, skills and competencies required to improve the practice of public health and become managers and leaders in both the public and private health sectors.

Rationale for the Masters Programmes

The rationale for establishing the multi-specialty academic and professional streams of the Masters programme in public health is to rapidly bridge the current and obvious paucity of adequately trained experts in the field of public health in public and private health/academic institutions in Rivers State, the Niger Delta zone, the country and the African region in general. The proposed programme of study is intended to address this gap by training individuals who want to develop their expertise in various subspecialty of public health.

Aim and Objectives of the Public Health Programmes

The aim of the public health training programme is to produce the highest quality Community and Public Health specialists and academicians who are able to implement and sustain quality Community and Public Health interventions and programmes in all tiers of health care, within local environments and situations and anywhere in the world.

The objectives are:

- To provide training in public health to qualified health professionals and to other individuals whose prior training and experience prepares them to play a leadership role in public health;
- To adapt public health training to the diverse backgrounds and anticipated future careers of the students;
- To award the degrees to individuals who have acquired a particular depth of knowledge in public health practice.

Admission Requirements

The Masters Programmes in Public Health will be open to:

- Candidates who possess a first degree in medicine, basic medical sciences, pharmacy, nursing and other courses allied to medicine. Eligible candidates in these disciplines must possess a Second Class Honours Degree with at least a CGPA of 3.00 on a 5-point scale or its equivalent
- Holders of a post-graduate diploma (PGD) in public health with a CGPA of 3.00

Programme Titles

Master of Science in Public Health (MSc Public Health) with specialization in Occupational Health, Environmental Health, Epidemiology, Health Systems Management and Population/Reproductive Health

Programme Duration

- **Full time Masters – 12 months (minimum) to 24 months (maximum)**
- **Part-time Masters – 24 months (minimum) to 36 months (maximum)**

Graduation Requirements

To qualify for the award of the Master's degree, the candidate must have successfully completed all the prescribed courses in the programme including the thesis and met other regulations of the school of graduate studies

Outline of Courses

The general courses would be undertaken by all master's students and these comprised 22 credit units of the total credits of each of the master's programme. The remaining credits required to make up the entire training is shown in the table below.

List of Courses, Code and Credit Units

General Courses

Code	Unit	Course
PUH801	1	Introduction to Public Health/History of Medicine/
PUH 802	1	Ethics in health care
PUH 809	3	Medical statistics
PUH 805	3	Principles of epidemiology
PUH 802	2	Health promotion and education
SCI 802	2	ICT & Research methodology
SCI 801	2	Management and entrepreneurship
PUH833	1	Internship

Code	Unit	Course
PUH 822	1	Seminar
PUH 821	6	Thesis

Specialised Courses in Occupational Health

Code	Unit	Course
PUH 836	2	Social Medicine and Rehabilitation
OHS 807	2	Principles of Occupational Health Services
OHS 818	3	Workplace Hazards and Safety Management
OHS 805	3	Occupational Diseases
OHS 841	2	Occupational Hygiene
OHS 844	2	Occupational Health Laws, Policies and Practice

Specialised Courses in Environmental Health

Code	Unit	Course
ENH 802	2	Water and Sanitation
ENH 803	2	Physical Pollution/ Housing
ENH 804	2	Climate Change and Health/Disaster Management
ENH 818	2	Environmental Health Policies and Legislations
ENH 813	2	Hazard Identification and Quantification
ENH 806	2	Environmental Impact Assessment
ENH 807	2	Food Safety
ENH 808	2	Environmental Toxicology

Specialised Courses in Epidemiology

Code	Unit	Course
EPI 881	2	Communicable Disease Epidemiology
EPI 882	2	Non-Communicable Disease Epidemiology
EPI 890	2	Advanced Statistics in Epidemiology
EPI 883	3	Advanced Epidemiological Techniques/ Clinical Trials
EPI 891	2	Introduction to Spatial Epidemiology
EPI 892	2	Systematic Reviews and Meta-Analysis
PUH 817	1	Demography

Specialised Courses in Health Systems Management

Code	Unit	Course
HSM 807	2	Principles of Organising Health Services
PUH 807	3	Health Systems
HSM 841	2	Leadership in Healthcare
HSM 842	2	Health Planning and Evaluation
HSM 843	2	Health Policy and Legislature
HSM 844	2	Health Care Quality Improvement
HSM 845	2	Health Financing and Economics
HSM 841	1	Operational Research in Health Care (Elective)
PUH 818	1	Evidence-Based Public Health (Elective)

Specialised courses in Population/Reproductive Health

Code	Unit	Course
PRH 851	2	Fundamentals of MCH: Issues, Programs & Policies
PRH 805	2	Adolescent Sexual and Reproductive Health Issues
PUH 819	2	Public Health Nutrition
PRH 841	2	Gender and Health
PRH 842	2	Fertility and Family Planning
PRH 845	3	Current and Critical Issues in Reproductive Health
PUH 817	2	Demography
MCH 851	2	Fundamentals of MCH: Issues, Programs & Policies

Course Description

PUH 801 Introduction to Public Health/History of Medicine/ (1 credit)

This course will teach the history of medicine in antiquity through the middle ages down to the scientific era and the history of medicine in Nigeria. It will also teach the birth and rise of public health preventive medicine social medicine and the dinging concepts in public health and medical revolution.

Broad areas covered include - History of Medicine; History of medicine in Nigeria; Health system – traditional and modern health systems; Formal and lay health care in Nigeria; Alternative medicine; Health professional groups; The Health Team; Definition and Sub-Specialties in Community Medicine; The Role of the Community Health Physician; The Doctor's Role in the society; Behavioural and Non-Behavioural Factors in Health and Disease.

PUH 802 Ethics in Health Care (1 credit)

This course is to acquaint the students with the ethical knowledge necessary for medical research. It will introduce the students to the basic ethical principles and the key issues in research, tracing the history of biomedical ethics to current ethical issues in medical research. Broad areas covered include - History and Evolution of Biomedical Ethics; International Code of Biomedical Ethics; Professional negligence, Responsibility, Confidentiality, Misconduct and appearance in court; The Doctor and the Law: Judicial, Coroner's Court, Professional Liabilities of Biomedical Practitioners, Ethical considerations in Medical Advancements (IVF, genetic engineering, abortion), Biomedical jurisprudence, ethical consideration for dead and dying patients, ethics and relationships with colleagues, patients, teachers, the society and the law.

PUH 809 Medical Statistics (3 credits)

This course will teach basic and inferential statistics as applied to clinical and epidemiological studies. This will include standard statistical concepts of data description, hypothesis testing including test statistics, correlation, p-values, significant levels, confidence

intervals and linear regression. It will equip prospective students with basic and advanced skills in quantitative reasoning and application necessary for medical research.

Broad areas include - Introduction to statistics; Types of data, types of variables, Types of distribution; Sources of Data, Tools for Data Collection; Scales of Measurement; Diagrammatic Presentation of Data - Histograms, Pie charts, Bar Charts, Graphs, Pictogram etc; Numerical Presentation of Statistical Data - Measures of Central Tendency and Location; Measures of Dispersion; Tabular presentation – simple and cross table etc; Population, Samples and Sampling Techniques; Probability Theory; Estimating Population Values; Inferential Statistics; The Standard Normal Curve; Standard errors; Confidence Intervals; Tests of Significance - Z-Test, t-Test, Chi-Square Test; Association, Correlation and Regression; Uses of Statistics.

PUH 805 Principles of Epidemiology (3 credits)

Overview of the fundamental epidemiologic methods used in public health research and practice. The student will be familiarized with basic measures used in describing disease frequency in populations. Descriptive and analytic approaches to the study of disease will be explored, and a perspective on the role of epidemiologic methods in health services planning and evaluation will be provided. It will teach the basic concepts and principles of epidemiology and disease outbreak investigation, the application of epidemiologic principles in the control of diseases of public health importance. It will emphasize disease distribution, determinants and deterrents in communicable and non-communicable disease conditions.

Broad aspects covered include - Epidemiology: Definition. History, Distribution and Determinants of Diseases: Biological, Behavioural, Social, etc, Epidemiological approach, Infective Agents: Reservoir of Infection, Transmission of Communicable Diseases, Host Factors, Epidemiologic triad, Natural history of disease, spectrum of diseases, Risk Factors in the Epidemiology of Communicable and Non-Communicable Diseases; Epidemiological Methods: Epidemiological Tools – Rates (Crude and Specific), Ratios, Percentages, etc, epidemiological Methods: epidemiological Studies, Disease Surveillance and Notification, Screening and Screening Tests, Uses of Epidemiology, Principles of Disease Control, Levels of Prevention, Epidemiological Transition.

PUH 813 Applied Epidemiology (3 credits)

This is a continuation of epidemiology¹ and will involve the application of epidemiological principles to the control of communicable and non-communicable diseases as well as health-related events. The course will also teach basic concepts in the principles of transmission and control of communicable diseases.

Broad areas covered include - Epidemiology and Control of Communicable Diseases According to their Routes of Transmission; Epidemiology and Control of Viral Infections (Poliomyelitis, HIV/AIDS, Viral Hepatitis A-G, Yellow Fever, Chickenpox, Lassa fever, Ebola, Exotic Diseases, Rabies, Measles, Rubella, Mumps, Viral RTIs,); Epidemiology and Control of Bacterial Infections (Tb, Leprosy, Enteric Fevers, Bacillary dysentery, Cholera, Bacterial Food Poisoning, Tetanus, Bacterial Pneumonia, Meningococcal Infections, Rheumatic Fever, Pertussis, Diphtheria, Plague, Anthrax, Chlamydial Infections); Epidemiology and Control of Protozoal Infections (Malaria, Amoebiasis, Giardiasis, Trichomoniasis, Trypanosomiasis; Epidemiology and Control of Fungal Infections

(Superficial Fungal Infections, Candidiasis; Epidemiology and Control of Helminthic Infestations (Ascariasis, Trichuriasis, Enterobiasis, Visceral Larva Migrants, Cutaneous Larva Migrants, dracunculiasis, Taeniasis, Hydatid Disease, Fascioliasis, Hookworm, Schistosomiasis, Strongyloidiasis, Bancroftian and Malaysian Filariasis, Loiasis, Onchocerciasis,); Epidemiology and Control of Arthropod Infestations (Scabies, Lice, Ticks, Mites); Epidemiology and Control of Special Groups of Communicable Diseases - STIs, Zoonoses, Diarrhoeal Diseases, Emerging and Re-Emerging Infectious Diseases, Hospital Infections; Control Programmes for Communicable Diseases in Nigeria; Epidemiology and Control of Genetic and Congenital Diseases - Sickle Cell Disease, Down's syndrome; Epidemiology and Control of Juvenile Delinquency; Accidents - RTA and Home Accidents; Epidemiology and Control of Asthma and Peptic Ulcer; Epidemiology and Control of Diabetes (DM, DI), Hypertension, Sickle Cell Disease, Coronary Heart Disease, G6PD Deficiency, Ca Breast, Ca Cervix, Ca Prostate; Control Programmes for Non-communicable Diseases in Nigeria.

PUH 802 Health Promotion and Education (2 credits)

This course will teach ways and methods that will make people value health as a worthwhile asset, with a desire to live long and feel well. The emphasis will be on what people can do as individuals, families, communities to protect and improve their health. At the personal and family levels emphasis will be placed on such matter as exercise, diet, discipline in the home and discipline with regard to the use of tobacco and alcohol. At the community level and beyond, emphasis will be on environmental sanitation etc.

Broad areas covered include - Health Education - Principles, Methods and Strategies; Principles of learning and behavioural change; Assessment of learning needs (individual, community); Designing educational materials; Evaluation of health education programme; Health Education in the Control of Communicable and Non-Communicable Diseases; Health promotion.

SCI 802 ICT & Research Methodology (2 credits)

This course should cover essentials of ICT especially the use of Microsoft Word, Spreadsheet, Power point, Access and Project. It will also examine common statistical packages used in health research.

The course is an introduction to project design and planning and will teach the various methods in conducting scientific medical research. It will emphasize quantitative and qualitative designs including how to conduct clinical trials and documentation. It will also introduce the use of computer in data analysis and the use of operational research and functional analysis in project design and evaluation.

Other areas covered include - Planning a Research; Ethical Issues in Research; Study Designs in Medicine and Public Health; Choice of Topic; Introduction (Problem Definition, Objectives); Formulation of hypothesis; Testing of hypothesis; Literature Search/Literature Review; Materials & Methods; Sample Size determination/Calculation; Instrument for data collection; Data Collection/Management; Presentation of Results (Data Presentation, Analysis etc); Discussion, Conclusion and Recommendations; Referencing; Project Write-Up.

SCI 801 Management and Entrepreneurship (2 credits)

This course would expose the students to the practice of applied management and entrepreneurship. The students would learn how to enhance their entrepreneurship skills and manage their own business. Business prospects for students in higher institution would be taught and the student would learn how to get into the right business.

Areas covered include: Concepts, history and development of entrepreneurship, the entrepreneur, Qualities and characteristics; the Entrepreneur and Business Environment, Identifying Business Ownership and Registration, starting and developing business ventures, Legal forms of business ownership and registration. Types of business ownership, feasibility studies, Role of Small and Scale Enterprise (SME) in the economy, Role of Government in Entrepreneurship, Business location and layout. Accounting for SME, Financing, SME, managing of SME, Risk Management of SME, success and failure factors of SME, Prospects and challenges of Entrepreneurship in Nigeria Entrepreneurship in Nigeria Entrepreneurship. This course would expose the students to the practice of applied management and entrepreneurship. The students would learn how to enhance their entrepreneurship skills and manage their own business. Business prospects for students in higher institution would be taught and the student would learn how to get into the right business

PUH 808 Environmental Health (3 credits)

This course will teach the impact of the environment on human health. It will emphasize those aspects of human health including quality of life that are determined by physical, chemical, biological, social and psychological factors in the environment. Specifically, it will dwell on the theory and practice of accessing, correcting, controlling and preventing those factors in the environment that can potentially affect adversely the health of the present and future generations. Emphasis will be placed water sources and purification, waste management, housing and health, food and health, vector and pest control etc.

Broad areas covered include - Components of the Environment - Biological, Physical and Social; Ecological Concepts; Man's Interaction with the Environment: Adaptation Process, Balance and Change; Socioeconomic Activities and the Human Environment – Deforestation, Irrigation, Dams, Industrialization, etc; Environment and health; Geography and health; Urbanization and health; Introduction to Environmental Health; Environmental Sanitation and its Components; Water and Health, Sources of Water; Uses of Water; Examination of Water, Purification of Water, Water Supply; WHO Water Programmes; Food Hygiene; Safe Guarding of Food; Housing and Health; Disposal of Wastes - Sewage and Refuse, Disposal of the Dead. Control of Vectors, Other Pests and Animal Reservoirs of Infection; Insecticides of Public Health Importance. Air Hygiene and Prevention of Atmospheric Pollution; climate change; Legislation and Environmental Health - Public Health Laws; The Petroleum Industry and the Niger Delta; The Ozone Layer; Green House Gases. Disaster Management; Refugees; Environmental Toxicology; Environmental Impact Assessment.

PUH 836 Social Medicine and Rehabilitation (2 credits)

This course will acquaint the students with the requisite knowledge on social problems in the community. Introduction to Social Medicine; Health assessments e.g. HDI, QALY, DALY; Social Deviance; Alcoholism; Drug Abuse; Smoking; Domestic violence These include Problems of the Aged, Social Welfare Services in Nigeria and Other Countries; Care of the Handicapped; The Underprivileged in the Society, Disability. Violence: Classification and

Causes, Violence Against Women, Domestic violence e.g. battered wife syndrome, rape; Disability, Handicap, Impairment; Classification and Causes of Handicaps; Problems of the Aged; Social Welfare Services in Nigeria and Other Countries; Care of the Handicapped; Orphanage; Old People's Home; Remand Homes; Prisons; Care of the terminally ill and hospice care; Voluntary Agencies in health and social services; Emergency preparedness and Federal, State and Local Government Levels.

PUH 832 Medical Sociology (2 credits)

This course will teach the concepts of behavioural sciences, relevance and contributions of Sociology to Medicine, explore illness behaviour and patient-doctor relationships. Also, student will learn patient care management, hospital organizations, and use of health services in Nigeria.

Broad areas covered include - Introduction to Medical Sociology; Definition of Health, Disease, Sickness, Illness; Socialization; Role Differentiation; Beliefs, Values, Norms, Superstitions, Taboos etc; Human organizations and Systems: Family Systems, Marriage Types and Stability; Type of Societies, Social Classification; Culture and Health – Beneficial, Harmful and Neutral Practices; Religion and Health; Socio-Economic Status and Health; Educational Status and Health; Traditional and Modern Health Systems in Nigeria; Recreation, Sleep; Behavioural concepts in Public Health; Change processes; Health Behaviour and Illness Behaviour; Working Population, Unemployment, Retirement, Ageing; Dependency; Social Security.

PUH 807 Health Systems (3 credits)

This course will provide the students with an understanding of the Nigerian Health System. It would explore the stewardship organs at the Federal, State and Local Government level and examine the delivery of health services, generation of resources and financing of the service at the various levels. Key policies and legislations would be studied as well as areas of reforms and research. It will examine the Processes in health care – needs, use, demand, supply, unmet needs; alternative medical care; Health professional groups. It would expose the students to the Concepts, history and standing theories, the United nation systems; International Health Organizations and Agencies; International Health Regulations; Travel medicine. It will also examine the global Health workforce – Challenges and the future; Global Health and Trade; the Sustainable Development Goals and finally examine critical issues on who does what in international health? And if accountability is intact?

PUH 817 Demography (1 credit)

This course will expose students to the meaning and nature of demography which include: sources and types of demographic data; population structure and dynamics; presentation of demographic data and rates. Also, basic measures of fertility, rates of natural increase; population growth and estimates and migration and mortality rates will be taught.

Broad areas covered include - Demography – Definition, Uses; Population Composition – Age, Sex, Occupation, Ethnicity etc; Population Dynamics (Fertility, Mortality, Migration, Population Structure, Growth and projection); Sources of Population Data; Sources of Health and Vital Statistics; Cancer Registration; Demographic Transition; Malthusian Theory of Population; Census – National and Local; World Population and Policy; the National

Population Policy; Interaction between Medical Action, Population, Health and Population Growth; Measurements of Health and Disease; Different Rates and their Uses; Standardization of Vital Rates

PUH 812 Reproductive and Family Health (2 credits)

This course will teach the concepts of human needs and development throughout the life cycle though with emphasis on women and children's health issues. These will include; Gender Equity, Equality and Women Empowerment, Safe Motherhood, Family Planning – Information and services, Prevention and management of Infertility and sexual dysfunction in both men and women, Prevention and Management of Complications of abortion, Prevention and Management of reproductive tract infections and sexually transmitted infections including HIV/AIDS.

Broad areas covered include - Introduction to Family Health; Concept, Components and Objectives; Measurements in Family Health; Health Problems and Health Needs of Mothers and Children; Determinants of Health of Mothers and Children; Family Health Practice; birth preparedness; Maternal Health Care Services, Infant Welfare Clinic; Organization and Evaluation of Family Health Programmes; Immunization Programmes; Population Dynamics and Family Planning; The “At Risk” Concept in MCH; Safe Motherhood Initiative; Integrated Management of Neonatal and Childhood Illnesses; School Health - Aims and Objectives; The School Health Programme.

PUH 819 Public Health Nutrition and Dietetics

This course will teach the components of food, their functions in the body, utilization and effects on the body. The role of food in health and disease, as well as common nutritional problems and their management will be taught. The course will emphasize nutrition in vulnerable groups like children and pregnant women, the aged, in refugees, as well as in certain diseases like HIV/AIDS, Diabetes mellitus, cancers, hypertension etc.

Broad areas covered include - Nutrition and Health; Classification of Food; Nutritional Values of Common Nigerian Foodstuffs; Culture and Nutrition; Beliefs and Taboos; Infection and Nutrition; Breastfeeding Weaning Practices; Food Policy; The National Breast Feeding Policy; Food Hygiene and Toxicology Nutrition Education; Applied Dietetics I - Diet in the Aetiology and Management of Diseases (Kwashiorkor, Marasmus, Vitamin Deficiencies, Mineral Deficiencies, Obesity, Hyper-vascularoses, etc); Applied Dietetics II – Diet in the Aetiology and Management of Diseases (Diabetes, Essential Hypertension, Coronary Heart Disease, Liver Failure, Goitre, Myxoedema, Cretinism, Dental Caries, Anaemia); Assessment of the Nutritional Status of a Community.

EPI 882 Non-Communicable Disease Epidemiology (2 credits)

This course will teach the application of the basic principles of epidemiology and of the control and prevention of non-communicable diseases. Specific topics will include: the epidemiology of NCD in relation to cardiovascular health, diabetes, cancer and congenital anomalies, drawing on the experience of researchers working in these fields. As well as an understanding of the biology, aetiology and trends in incidence of these diseases, the module

will include in depth coverage of exposure epidemiology including exposure measurement, validation and study design. Specific exposures include diet, chemicals, radiation, toxicology and lifestyle factors including deprivation and obesity and include molecular epidemiology. Molecular epidemiology and the application of biomarkers for the assessment of exposure such as protein/DNA adducts; Biological effects such as altered protein expression, DNA mutation, micronuclei, methylation and their association with disease development with an emphasis on cancer; Case studies of exposure based on case control, cohort and ecological study designs emphasising the issues raised in controlling for confounding exposures and the need for accurate measurement protocols.

EPI 890 Advanced Statistics in Epidemiology (2 credits)

The objectives of this course are to: introduce basic methods of statistical inference as the key tools for investigating diseases in a population; introduce the concept of likelihood given a parametric model; introduce the general framework of likelihood-ratio testing and frequentist methods, including a range of specific hypothesis tests used when studying health and disease in populations; discuss the use of prior distributions and Bayes' theorem and to introduce the Bayes' solution to some basic decision problems relevant to studying health and disease in populations.

EPI 883 Advanced Epidemiological Techniques/ Clinical Trials (3 credits)

The course will cover - Distribution of disease: Modelling trends in incidence rates; age-period-cohort models; Introduction to spatial methods; Use of census data; ecological regression methods; Screening: Methods in screening; Agreement; predictive values; sensitivity/specificity; ROC curves; Survival analyses: Survival analysis using non-parametric approaches (actuarial/Kaplan-Meier survival estimates)log-rank/ Wilcoxon tests), semi-parametric (Cox proportional hazards model) and an awareness of parametric models (accelerated failure time model, relative survival analysis); Modelling and bias: Model building, model diagnostics, fitting time-dependent variables, Meta-analysis methods; assessing publication bias; Binary outcome methods; conditional and unconditional logistic regression with a particular focus on case-control analyses; Adjustment for confounding; Identifying sufficient sets of confounders; Identification of, and adjustment for, participation bias, matching.

Clinical Trials will provide an outline to the statistical principles of clinical trial design, conduct, analysis and reporting. The emphasis will be on understanding the practical issues that arise through real examples backed up with the relevant theory. Pre-requisite knowledge of linear modelling is required. The module provides a grounding in the basic specialist knowledge and skills required by a statistician working within a Clinical Trials Unit. The course will cover the following subjects: - Basic concepts in clinical trials; Choice of trial designs, including analysis implications; Methods of random allocation of treatments to patients; Definition and handling of protocol deviations in the analysis; Sample size considerations; Implications of multiple comparisons; Quality assessment in systematic reviews and metaanalyses; Practical issues in randomised trials.

EPI 891 Introduction to Spatial Epidemiology (2 credits)

Spatial epidemiology is one of most important branches in Epidemiology to investigate spatial distribution of diseases and related determinants of health such as infectious diseases,

air pollution, healthcare accessibility, social behaviors, and health inequality. This course will introduce students to spatial epidemiology including basic concepts and methods in spatial data, spatial statistics and models, and GIS tools (e.g. ArcGIS, GeoDa, and R) applied in epidemiological and public health studies.

EPI 892 Systematic Reviews and Meta-Analysis (2 credits)

Candidates would be able to describe the steps in conducting a systematic review - Develop an answerable question using the “Participants Interventions Comparisons Outcomes” (PICO) framework -Describe the process used to collect and extract data from reports of clinical trials – Describe methods to critically assess the risk of bias of clinical trials - Describe and interpret the results of meta-analyses.

HSM 807 Principles of Organising Health Services (2 credits)

The purpose of the course is to familiarize the participants with the key international and local principles of organizing, funding and providing health services and public health activities. The course will use examples from countries with interesting and important features in their health care systems such as the United States, United Kingdom, Canada, Australia and Nigeria and Ghana. The principles of implementing the Health Care in real life will be explored. The seminar programme looks at the essential characteristics of Primary Care, specialist level care and public health arrangements. It will also map past and current enthusiasm in reforming the services - where did it all lead to? The ultimate goal is to help the participants to understand their own national systems and critically determine the contradictions and challenges of a given system.

HSM 841 Leadership in Healthcare (2 credits)

This course would expose the students to key leadership theories and examine the relationship between leadership and management. It is design to build the skills of the students in contemporary leadership techniques in health care and would expose them to various approaches of improvement leadership and management effectiveness. Special topics such as quality management, stress management, personal management, time management, teamwork and managing the environment where health care is delivered are also included in this course.

HSM 843 Health Policy and Legislature (2 credits)

This course is designed to equip participants with the necessary Policy and skills applicable to the health care system. Broad areas covered include –The policy process, analysis and health policy formulation.

HSM 844 Health Care Quality Improvement (2 credits)

The course would expose the students to the key concepts in quality improvement and patient safety in health care. It would also examine the various approaches to quality improvement and build the skills of the students on managing the change process and setting up quality systems in health.

HSM 845 Health Financing and Economics (2 credits)

The course would expose the students to the various modes of financing health care globally and illustrate how these financing modalities affect households. The course would also expose the students to the economics of health care, economic evaluation, attempts by various countries to manage the rising cost of health care and how they can make rational choices in healthcare.

HSM 841 Operational Research in Health Care (1 credit)

This would expose the students to the application of advanced analytical methods in making better decisions for healthcare. It will also expose the students to the various forms of evaluation in health care and how to critique decisions on the basis of values, criteria and standards.

PUH 818 Evidence-Based Public Health (1 credit)

The course will focus on integrating the themes of clinical expertise and scientific reasoning. Students learn how clinical trials, medical databases, and translational medicine are foundations of evidence-based medicine and patient-centred care. Students will understand the importance and the nature of evidence; ask and answer clinical questions, understand and quantify uncertainties in practice with probabilities; develop tools for searching and organizing data; developing processes for managing and applying evidence into practice; continuous critically appraisal of decision making.

PRH 851 Fundamentals of MCH: Issues, Programs & Policies (2 credits)

This course provides a public health perspective for assessing and meeting the health needs of women, children, adolescents and families. Historical and current principles, programs, policies, and practices related to MCH populations will be covered. Historically, the field of MCH has been concerned with the health of pregnant women and their children. Today MCH emphasizes not only children's health but also women's health beyond their reproductive and parenting roles and families as the critical social and cultural environment influencing children's health and development, and the well-being of all family members.

PRH 805 Adolescent Sexual and Reproductive Health Issues (2 credits)

This course will look at adolescence, sexual behaviour, and risks that can vary by gender, race, Sexual activity and use of contraceptives by in adolescents by country and the world.

PRH 841 Gender and Health (2 credits)

This course broadly explores women's health issues. Rather than approaching the study of health from the perspective of specific medical conditions, diseases, or treatments, the course will focus on the political, social, cultural, and economic underpinnings contributing to women's health and wellness. This course approaches the study of women's health from both care and policy perspectives. Although specific medical concerns are addressed, these are introduced as exemplars to highlight the roles that critical theoretical analyses play in both defining and understanding women's health issues, as well as their roles in finding solutions that will ensure women's health and wellness.

PRH 842 Fertility and Family Planning (2 credits)

This course will discuss the concept of unmet need—whether for any contraception or for a modern method. It will look at the International Conference on Population and Development ICPD and its concept of fertility regulation as a matter of sexual and reproductive health and rights. It will look at the available contraceptive methods being used: hormonal, intrauterine devices, sterilization, barrier, and natural or traditional methods.

PRH 845 Current and Critical Issues in Reproductive Health (3 credits)

This course will discuss critical and emerging issues in reproductive health in different settings and cultures. Students will be equipped with competencies needed to identify and initiate interesting debates about critical issues that affect both males' and females' RH and that of special populations and their gender dimensions. Students will be prepared to appraise past and present perspectives on critical RH issues with an eye to the future regarding the development of reproductive technologies, industry, disaster and emergency situations.

PUH833 Internship (1 credit)

The students would be exposed to practical training in public health programmes with the relevant industries and sector.

PUH 822 Seminar (1 credit)

The students develop a topic of relevance to public health and gives a presentation before a panel.

PUH 821 Thesis (6 credits)

The candidate must design and execute an acceptable original project in any area related to health under supervision of an academic member of staff. The project would commence at the second year of the programme although a topic must be agreed on with the supervisor after the first semester of the first year

List of Staff

S/N	NAME	QUALIFICATIONS	DESIGNATION	SPECIALISATION
1.	Prof B. Ordinioha	MB, BS, FMCPh	Professor	History, Environmental Health
2.	Prof A. Okpani	MBBS, MSc, FICS, FWACS	Professor	Reproductive Health
3.	Prof A. Nte	MBBS, FWACP	Professor	Child & Adolescent Health
4.	Prof N. Akani	MBBS, FMCPaed	Professor	Adolescent Health
5.	Prof O. Obunge	BSc, MD, PhD, FWACP	Professor	Microbiology/ Laboratory Practice
6.	Prof P.C. Stanley	B.Med, MBBS, FWACP, FMCPsych	Professor	Mental Public health
7.	Prof O.J. Odia	MBBS, FMCP, FWACP, FRCP	Professor	Medical Ethics
8.	Prof M. Ifeanchio	BA, MA, PhD	Professor	Medical Sociology
9.	Prof O. Georgewill	B.Med Sc, MBBS, MSc, MD	Professor	Therapeutics
10.	Prof Michael Asuzu	MB, BS, DOH&S; MSc; FMCPh; FFPHM	Professor (Visiting)	Clinical Epidemiology, Occupational Health
11.	Prof Stephen Abah	MBBS, MSc, FWACP	Professor (Visiting)	Environmental Health
12.	Prof Patrick Oyibo	MBBS, FWACP, DrPh	Professor (Visiting)	Health Systems
13.	Prof Eme Owoaje	MB, BS, MSc, FWACP	Professor (Visiting)	Rehabilitative & Social Medicine, International Health
14.	Prof BSC Uzochukwu	MBBS, MPH, FWACP	Professor (Visiting)	Health Systems
15.	Prof Chima Onoka	MBBS, MSc, PhD, FWACP	Professor (Visiting)	Health Economics
16.	Prof. S.F. Brisibe	MBBS, MSc, FWACP	Professor (Visiting)	Health Economics
17.	Prof. I. Zubairu	MBBS, PhD, FWACP	Professor (Visiting)	Biostatistics
18.	Dr Alphonsus Isara	MBBS, MPH, FMCPh	Reader (Visiting)	Occupational Health
19.	Dr Vincent Adams	MBBS, MPH, FMCPh	Reader (Visiting)	Reproductive/Family Health
20.	Dr Daniel Olusoji	MBBS, PhD, FWACP	Reader (Visiting)	Epidemiology
21.	Dr O.B. Babatunde	MBBS, PgCert. Epid, MPH, FWACP	Senior Lecturer	Research Methodology & ICT, Epidemiology
22.	Dr C.I. Tobin-West	MD, MPH, Adv Dip Mgt, FMCPh	Senior Lecturer	Epidemiology, Reproductive Health
23.	Dr K.E. Douglas	MBBS, FMCPh	Senior Lecturer	Occupational Health, Medical Ethics
24.	Dr O. Maduka	MBBS, FMCPh, FRSPH	Senior Lecturer	Epidemiology, Biostatistics
25.	Dr D.S. Ogaji	MBBS, MQI, PhD, MNIM, FMCPh	Senior Lecturer	Health Systems
26.	Dr I.D. Alabere	MBBS, MPH, FMCPh, mni,	Senior Lecturer	Health Management
27.	Dr F. Adeniji	MBCh.B, MSc, FWACP (community	Senior Lecturer	Biostatistics, Reproductive Health

S/N	NAME	QUALIFICATIONS	DESIGNATION	SPECIALISATION
		Health)		
28.	Dr N. Orazulike	MBBS, FWACS, FICS, Dip HSM	Senior Lecturer	Reproductive Health
29.	Dr K. Wariso	B. Med Sc, MBBS, FWACP	Senior Lecturer	Microbiology, Laboratory Practices
30.	Dr P. Fiebai	MBBS, FWAP	Senior Lecturer	Reproductive Health
31.	Dr O. Jackreece	BSc, MSc, PhD	Senior Lecturer	Medical Sociology
32.	Dr O. Braimoh	BDS, MPH, FWACS	Senior Lecturer	Dental Public health
33.	Dr Datonye Alasia	MBBS, FWACP	Senior Lecturer	Evidence Based Medicine
34.	Dr. Bolaji Babatunde	PhD	Senior Lecturer	Environmental Science, Eco-Toxicity and Radiation Toxicology
35.	Dr. I. Chijioke-Nwauche	PhD	Senior Lecturer	Eco-Toxicity
36.	Dr Soter Ameh	MBBS, MSc, PhD, FMCPH	Senior Lecturer (Visiting)	Field Epidemiology
37.	Dr Joseph Usar	MBBS, MSc, PhD	Senior Lecturer (Visiting)	Health Economics
38.	Dr Akindele Adebisi	MB,ChB, MPH, FMCPH, PhD	Senior Lecturer (Visiting)	Clinical & Population Epidemiology, Global Health
39.	Dr Enembe Okokon	MBChB, MSc, PhD, FMCPH	Senior Lecturer (Visiting)	Environmental Epidemiology
40.	Dr B. Moore	MBBS, MPH	Lecturer 1	Demography, Internship
41.	Dr I.N. Ojule	MBBS, FMCPH	Lecturer 1	Social/Rehabilitative Medicine
42.	Mrs E. Asuquo	BSc, MEM, MPH, Dip HSM	Lecturer 1	Health Promotion & Education
43.	Dr Aroloye Numbere	PhD	Lecturer 1 (Visiting)	Ecology
44.	Dr. Adedayo Tella	MBBS, MSc, FWACP	Part-time Lecturer	Reproductive Health
45.	Dr. Ibitein Okeafor	MBBS, MPH, FMCPH	Part-time Lecturer	Reproductive Health Epidemiology/Biostatistics
46.	Dr Ayebatari Lawson	MBBS, FMCPH	Part-time Lecturer	Management/ Health Systems
47.	Dr. Anastasia Isodje	MBBS, FMCPH	Part-time Lecturer	Epidemiology /Biostatistics
48.	Dr Folusho Alamina	MBBS, MSc, FWACP	Part-time Lecturer	Occupational Health
49.	Dr. Alafaka Tobin	MBBS, FMCPH	Part-time Lecturer	Epidemiology /Biostatistics
50.	Dr. Omonethra Kadiri-Eneh	MBBS, FWACP	Part-time Lecturer	Environmental Health
51.	Dr Adetomi Bademosi	MBBS, FWACP	Part-time Lecturer	Medical Sociology, Rehabilitative and Social Medicine

S/N	NAME	QUALIFICATIONS	DESIGNATION	SPECIALISATION
52.	Dr Onyinye Mba	MBBS, FMCPH	Part-time Lecturer	Occupational Health
53.	Dr Tondor Uzosike	MBBS, FMCPH, FWACP	Part-time Lecturer	Reproductive Health
54.	Dr Ifeoma Katchy	MBBS, FWACP	Part-time Lecturer	Epidemiology /Biostatistics
55.	Dr Henry Mark	BSc, MSc, PhD	Part-time Lecturer	Epidemiology/Biostatistics
56.	Dr Clement Edet	MBBS, MSc (Pharmacology & Toxicology), MPH, FMCPH	Part-time Lecturer	Reproductive/Family Health
57.	Dr I. Briggs	MBBS, MPH, FMCPH	Part-time Lecturer	Occupational Health
58.	Mr Emeka Anyiam	BSc, MSc	Part-time Lecturer	Data Science
59.	Dr Iboh Oghu	MBBS, MSc, FWACP	Visiting	Occupational Health
60.	Dr Oluyemi Olagoke Toyinbo	BSc, MSc, PhD	Visiting	Environmental Health/Toxicology
61.	Dr Jacob Atsu Mensah-Attipoe	BSc, MSc, PhD	Visiting	Environmental Health/Toxicology
62.	Dr. Obinna Oleribe	MBBS, FWACP, DrPH	Visiting	Health Management

Facilities

The current facilities available for use by the Centre include:

- Office of the Director at the Nuclear Medicine Building in UPTH
- 2 temporary classrooms at the Nuclear Medicine Building in UPTH
- Full time consultants in public health covering the ten approved subspecialties, and nine teaching subject areas in public health.
- Public health laboratory
- Public health museum
- Departmental library
- Data processing and computer facilities
- Clinical facilities for the training of resident doctors
- Out-patient clinics for STD, HIV treatment and care, Growth Monitoring, Well Person clinic, Occupational health clinic, family health clinic, family planning, endemic diseases, immunoprophylaxis
- Facility for urban community health programmes at Aluu Health Centre
- Facility for rural community health programmes at Kegbara Dere, in Gokana LGA
- Facility for management of Drug Resistant Tuberculosis
- Outside organizations and facilities ideal for subspecialty postings



University of Port Harcourt School of Public Health (UNIPORT-SPH)

PhD PROGRAMMES IN PUBLIC HEALTH

AND

DOCTOR OF PUBLIC HEALTH (DrPH)

CURRICULUM

2019

PHD PROGRAMMES IN PUBLIC HEALTH - DOCTOR OF PUBLIC HEALTH (DrPH) AND DOCTOR OF PHILOSOPHY (PhD)

INTRODUCTION

The Doctor of Philosophy (PhD) and the Doctor of Public Health (DrPH) programmes are structured to ensure optimal learning and research competency. They are designed to build the requisite skills and capacity for driving the practice of Public Health in Nigeria. There is a growing need and demand for public health training in Nigeria as few States in Nigeria have appropriately trained and qualified public health professionals at the PhD level. The development of PhD programmes in Public Health is therefore a bold attempt to close these gaps in Rivers State, Niger Delta and the entire country over a period of time.

The University of Port Harcourt School of Public Health was established to bridge current gaps in the training and practice of public health through facilitating the infusion of diverse resources needed for a successful and competitive school of public health. It provides an option of assisting the poor economic climate in the country which had stunted growth in the staff strength in the traditional department of Preventive and social medicine under the Faculty of Clinical Sciences. Indeed, this School serves the purpose of providing a common platform for congregating highly skilled human resource both within and outside the University of Port Harcourt, Port Harcourt. This would provide value-added services beneficial, but at minimal additional cost to the University.

PHILOSOPHY

The philosophy of the programme is to promote equity, excellence and integrity. This is premised on developing the knowledge, skills and competences of students from diverse academic backgrounds, but with creative minds who are desirous to acquire more skills and experiences that would prepare them for leadership roles in public health.

VISION

To be a highly-sought, world-class academic and professional public health doctoral programmes that are recognized for local relevance, international excellence and global impact in the field of Public Health.

MISSION

To build a robust resource of highly skilled and motivated public health professionals who are equipped with current knowledge, skills and competencies required to improve the practice of public health and become managers and leaders in both the public and private health sectors.

RATIONALE

The need for scholars with skills in research and problem solving is increasingly becoming glaring with the advent of multifaceted and complex health challenges. The doctoral training programmes by the African Centre of Excellence in Public Health and Toxicological Research provides scholars with the required knowledge and skills in research to approach and fix these challenges.

AIM AND OBJECTIVES

The aim of the doctoral programmes is to provide graduates with the necessary skills and background that would enable them to make impacts in a demanding workplace and in the community.

Specifically, the objectives are:

- To provide training in public health to qualified health professionals with prerequisite training and experience to prepare them for leadership roles in public health;
- To adapt this training in public health to the diverse backgrounds and anticipated future careers of the students;
- To award the degrees to individuals who have acquired a particular depth of knowledge in public health.

PROGRAMME TITLE: DOCTOR OF PHILOSOPHY (PhD) IN PUBLIC HEALTH

With specialization in Epidemiology, Health Systems Management, Population/Reproductive Health & Occupational Health

Programme Duration (PhD in Public Health)

- **Full time – 36 months (minimum) to 48 months (maximum)**
- **Part-time – 60 months (minimum) to 72 months (maximum)**

Admission Requirements (PhD in Public Health)

Candidates to be admitted into the PhD programme should have Masters' degree in Public Health with a CGPA of not less than 3.5 on a five-point scale.

Graduation Requirements (PhD in Public Health)

To qualify for the award of the PhD, the candidate must have successfully completed all the prescribed courses in the programme in line with the regulations of the School of Graduate Studies.

List of Courses, Code and Credit Units (PhD in Public Health)

General courses

Code	Unit	Course
PUT 901	3	Entrepreneurship
PUT 902	3	Advanced Biostatistics and Data Science
PUT 903	3	ICT, Technical Writing & Presentation Skills
SPH 937	3	Advanced Epidemiology
SPH 905	3	Seminar
PUT 905	3	Research Methodology
SPH 907	12	Research Project

Specialized course in Occupational Health

SPH 949 3 Units Occupational Hazards, Safety Assessment & Control/Internship

Specialized course in Epidemiology

SPH 959 3 Units Advanced Techniques in Epidemiology/Internship

Specialized course in Health Systems Management

SPH 969 3 Units Advanced Management Theories and Practice/Internship

Specialized course in Population/Reproductive Health

SPH 970 3 Units Advances in Reproductive Health

PROGRAMME TITLE: DOCTOR OF PUBLIC HEALTH (DrPH)

Programme Duration (Doctor of Public Health-DrPH)

- **Full time – 36 months (minimum) to 48 months (maximum)**
- **Part-time – 60 months (minimum) to 72 months (maximum)**

Admission Requirements (Doctor of Public Health-DrPH)

Candidates admitted into the DrPH programme should have the following:

1. Masters or doctoral degree in a subject appropriate to the course of study; or
2. Membership (Part 1) or Fellowship in Public Health from the National Postgraduate Medical College of Nigeria, or its equivalent
3. Evidence of a minimum of five years full time appropriate work experience post-NYSC in a Public Health position is a **MUST**

Graduation Requirements (Doctor of Public Health-DrPH)

To qualify for the award of the DrPH, the candidate must have successfully completed all the prescribed courses in the programme in line with the regulations of the school of graduate.

List of Courses, Code and Credit Units (Doctor of Public Health-DrPH)

Code	Unit	Course
PUT 901	3	Entrepreneurship
PUT 902	3	Advanced Biostatistics and Data Science
PUT 903	3	ICT, Technical Writing & Presentation Skills
SPH 937	3	Advanced Epidemiology
SPH 905	3	Seminar
PUT 905	3	Research Methodology
SPH 907	12	Research Project (Thesis)
SPH 990	2	Health Care Policy and Advocacy
SPH 991	2	Communication, Marketing and Public Relation for Public Health
SPH 992	2	Public Health Leadership, Management and System Thinking
SPH 993	2	Health Economics and Health Systems Financing

COURSE DESCRIPTION (PhD Public Health & Doctor of Public Health-DrPH)

PUT 901 Entrepreneurship (3 credits)

This course teaches how to recognize, analyze and develop business opportunities. It will expose students to the various aspects of commerce – accounting, finance, marketing, management as well as the relevant legal and regulatory frameworks. The course will also introduce the students to ways of commercializing their research outputs and how they can develop a knowledge enterprise.

PUT 902 Advanced Biostatistics and Data Science (3 credits)

This course teaches the concepts of biostatistics and the application of biostatistics in real world issues. Broad areas covered include - Probability and advanced statistical theories, parametric and non-parametric statistics, Poisson distribution, Regression modelling, statistical software appreciation and bioinformatics.

Data Science introduces the concept and tools needed in turning open and real-world data into solving real world problems via mastering data communication, data investigation, data wrangling, cleaning, sampling, exploratory analysis and data visualization skills. Students will learn the powerful statistical program in R and how to use R for effective data analysis and statistical programming. The course will also cover practical issues in statistical computing with R, especially in reading data into R, accessing R packages, writing R functions, debugging, profiling R code, and organizing and commenting R code.

PUT 903 ICT, Technical Writing & Presentation Skills (3 credits)

The purpose of the course is to familiarize the students with academic writing, grammar & syntax, critical thinking and problem-solving skills, summarizing, paraphrasing journal critique techniques and preparation of manuscripts and dissertation reports. Preparation and presentation at conferences and scientific meetings. Participants would also be exposed to various statements/guidelines/checklists for reporting academic manuscripts such as:

- CASP – Critical Appraisal Skill Program
- CONSORT – Consolidated Standards of Reporting Trials
- PRISMA – Preferred Reporting Items for Systematic Reviews and Meta-Analysis
- ENTREQ – Enhancing Transparency in REporting the synthesis of Qualitative research
- COREQ – Consolidated criteria for REporting Qualitative research
- CARE – CAse REport guidelines
- SQUIRE – Standards for Quality Improvement Reporting Excellence
- STROBE – Strengthening the Reporting of Observational Studies in Epidemiology

SPH 937 Advanced Epidemiology (3 credits)

This course teaches the students beyond the principles and practice of epidemiology and prepares them for application of the fundamentals to advanced epidemiological reasoning and situations. Broad topics will include a summary introduction to the principles and practice of epidemiology: Infectious Disease Epidemiology, NCD Epidemiology; Molecular epidemiology and the application of biomarkers for the assessment of exposure such as protein/DNA adducts; confounders, effect modification/interaction, causal inferences, outbreak investigations, geo-mapping/GIS, surveillance, receiver-operating characteristic curve, and surveys.

SPH 905 Seminar (3 credits)

Seminar presentation on specified aspects of research will be presented such as literature review, public health significance, key findings and implications and finally the output will be subjected to critical review and grading by a panel of assessors.

PUT 905 Research Methododology (3 credits)

This course acquaints the students with principles and practice of advanced research methods in public health practice. Broad areas include clinical trials, systematic reviews, meta-analysis, meta-synthesis, mixed methods of quantitative and qualitative surveys, advanced literature search and data synthesis.

SPH 907 Thesis (12 credits)

Students will first present a research proposal of an empirical research which should be no more than one side of A4 and should include; an aim, rationale, background literature, proposed methodology and methods. The dissertation will be an outline PhD proposal and a small piece of empirical work. The research proposal should indicate what the PhD might be along with, what the empirical work might be. The candidate's research will be supervised by academic and/or industry member of staff. The format of the report shall be in accordance to existing guidelines from the School of Graduate Studies.

SPH 949 Occupational Health Hazards, Safety Assessment & Control/Internship (3 credits)

The PhD program in Occupational Safety and Health aims to create a new generation of high-level research scholars. The program aims to capitalize on the existing traditional theoretical schools in safety science, while taking into account the local, cultural influences, as well as exploring emerging risks and new challenges in a National level (the discovery of hydrocarbons). The program will involve an element of theoretical reinforcement through the delivery of three high class fundamental classes and a research path that will concentrate in the area of choice of the candidate. Students will focus on areas of safety performance and

safety cultures in micro firms, human factors and safety cultures in critical infrastructures and risk communication.

SPH 959 Advanced Techniques in Epidemiology (3 credits)

The PhD programme in Epidemiology will provide methodological and interdisciplinary training that will equip students to carry out cutting-edge epidemiological research. The programme will train students in the tools of modern epidemiology, with heavy emphases on statistics, computer science, genetics, genomics, and bioinformatics.

SPH 969 Advanced Management Theories and Practice (3 credits)

The PhD in Health Systems Management research will focus on preparing students on improving leadership and management for a health system's efficiency, effectiveness and accountability in order to provide equitable quality services to patients and communities; It will focus on drawing upon research methods and approaches from several fields.

This research-based program is designed to train researchers and academic leaders in the expanding field of health systems management. These systems are studied using the scientific problem-solving methods of management and the social sciences and systems science. Students follow a process of scientific discovery, applying abstract modeling or empirical discovery paradigms. Collaborative and participatory action-based approaches in real health management situations are utilized

SPH 970 Advances in Reproductive Health (3 credits)

The PhD in Reproductive Health programme will introduce students to a high-level career in research, teaching/mentoring, consulting, policy development, or other leadership roles focused on reproductive health; prepare students to modern up-to-date molecular and cellular biological research in the field of reproductive sciences, reproductive health and reproductive medicine in a stimulating, challenging and vibrant research atmosphere, at the interface between basic science and clinical patient care. Population change and the demographic transition Conceptual issues in demography Mortality decline and change: the epidemiological transition Mortality transition in the developing world Contemporary mortality trends in developed countries. Demand and diffusion theories of fertility decline. The role of family planning programmes. The second demographic transition and family change. The perspective from evolutionary demography. AIDS in Africa: the demographic impact.

SPH 990 Health Care Policy and Advocacy (2 credits)

The Doctor of Public Health programme is a professional training designed to equip participants with the necessary policy and skills applicable to the health care system. Broad areas covered include the policy process, policy analysis and health policy formula.

SPH 991 Communication, Marketing and Public Relation for Public Health (2 credits)

SPH 992 Public Health Leadership, Management and System Thinking (2 credits)

SPH 993 Health Economics and Health Systems Financing (2 credits)

The Doctor of Public Health programme is a professional training designed to expose students to the various modes of financing health care globally and illustrate how these financing modalities affects households. The course would also expose the students to the economics of health care, economic evaluation, attempts by various countries to manage the rising cost of health care and how they can make rational decisions.

LIST OF STAFF

S/N	NAME	QUALIFICATIONS	DESIGNATION	SPECIALISATION
63.	Prof B. Ordinioha	MB, BS, FMCPH	Professor	History, Environmental Health
64.	Prof A. Okpani	MBBS, MSc, FICS, FWACS	Professor	Reproductive Health
65.	Prof A. Nte	MBBS, FWACP	Professor	Child & Adolescent Health
66.	Prof N. Akani	MBBS, FMCPaed	Professor	Adolescent Health
67.	Prof O. Obunge	BSc, MD, PhD, FWACP	Professor	Microbiology/ Laboratory Practice
68.	Prof P.C. Stanley	B.Med, MBBS, FWACP, FMCPsych	Professor	Mental Public health
69.	Prof O.J. Odia	MBBS, FMCP, FWACP, FRCP	Professor	Medical Ethics
70.	Prof M. Ifeanacho	BA, MA, PhD	Professor	Medical Sociology
71.	Prof O. Georgewill	B.Med Sc, MBBS, MSc, MD	Professor	Therapeutics
72.	Prof Michael Asuzu	MB, BS, DOH&S; MSc; FMCPH; FFPHM	Professor (Visiting)	Clinical Epidemiology, Occupational Health
73.	Prof Stephen Abah	MBBS, MSc, FWACP	Professor (Visiting)	Environmental Health
74.	Prof Patrick Oyibo	MBBS, FWACP, DrPh	Professor (Visiting)	Health Systems
75.	Prof Eme Owoaje	MB, BS, MSc, FWACP	Professor (Visiting)	Rehabilitative & Social Medicine, International Health
76.	Prof BSC Uzochukwu	MBBS, MPH, FWACP	Professor (Visiting)	Health Systems
77.	Prof Chima Onoka	MBBS, MSc, PhD, FWACP	Professor (Visiting)	Health Economics
78.	Prof. S.F. Brisibe	MBBS, MSc, FWACP	Professor (Visiting)	Health Economics
79.	Prof. I. Zubairu	MBBS, PhD, FWACP	Professor (Visiting)	Biostatistics
80.	Dr Alphonsus Isara	MBBS, MPH, FMCPH	Reader (Visiting)	Occupational Health
81.	Dr Vincent Adams	MBBS, MPH, FMCPH	Reader (Visiting)	Reproductive/Family Health
82.	Dr Daniel Olusoji	MBBS, PhD, FWACP	Reader (Visiting)	Epidemiology
83.	Dr O.B. Babatunde	MBBS, PgCert. Epid, MPH, FWACP	Senior Lecturer	Research Methodology & ICT, Epidemiology
84.	Dr C.I. Tobin-West	MD, MPH, Adv Dip Mgt, FMCPH	Senior Lecturer	Epidemiology, Reproductive Health
85.	Dr K.E. Douglas	MBBS, FMCPH	Senior Lecturer	Occupational Health, Medical Ethics
86.	Dr O. Maduka	MBBS, FMCPH, FRSPH	Senior Lecturer	Epidemiology, Biostatistics
87.	Dr D.S. Ogaji	MBBS, MQI, PhD,	Senior Lecturer	Health Systems

S/N	NAME	QUALIFICATIONS	DESIGNATION	SPECIALISATION
		MNIM, FMCPH		
88.	Dr I.D. Alabere	MBBS, MPH, FMCPH, mni,	Senior Lecturer	Health Management
89.	Dr F. Adeniji	MBCH.B, MSc, FWACP (community Health)	Senior Lecturer	Biostatistics, Reproductive Health
90.	Dr N. Orazulike	MBBS, FWACS, FICS, Dip HSM	Senior Lecturer	Reproductive Health
91.	Dr K. Wariso	B. Med Sc, MBBS, FWACP	Senior Lecturer	Microbiology, Laboratory Practices
92.	Dr P. Fiebai	MBBS, FWAP	Senior Lecturer	Reproductive Health
93.	Dr O. Jackreece	BSc, MSc, PhD	Senior Lecturer	Medical Sociology
94.	Dr O. Braimoh	BDS, MPH, FWACS	Senior Lecturer	Dental Public health
95.	Dr Datonye Alasia	MBBS, FWACP	Senior Lecturer	Evidence Based Medicine
96.	Dr Soter Ameh	MBBS, MSc, PhD, FMCPH	Senior Lecturer (Visiting)	Field Epidemiology
97.	Dr Joseph Usar	MBBS, MSc, PhD	Senior Lecturer (Visiting)	Health Economics
98.	Dr Akindele Adebisi	MB,ChB, MPH, FMCPH, PhD	Senior Lecturer (Visiting)	Clinical & Population Epidemiology, Global Health
99.	Dr B. Moore	MBBS, MPH	Lecturer 1	Demography, Internship
100.	Dr I.N. Ojule	MBBS, FMCPH	Lecturer 1	Social/Rehabilitative Medicine
101.	Mrs E. Asuquo	BSc, MEM, MPH, Dip HSM	Lecturer 1	Health Promotion & Education
102.	Dr Aroloye Numbere	PhD	Lecturer 1 (Visiting)	Ecology
103.	Dr. Adedayo Tella	MBBS, MSc, FWACP	Part-time Lecturer	Reproductive Health
104.	Dr. Ibitein Okeafor	MBBS, MPH, FMCPH	Part-time Lecturer	Reproductive Health Epidemiology/Biostatistics
105.	Dr Ayebatari Lawson	MBBS, FMCPH	Part-time Lecturer	Management/ Health Systems
106.	Dr. Anastasia Isodje	MBBS, FMCPH	Part-time Lecturer	Epidemiology /Biostatistics
107.	Dr Folusho Alamina	MBBS, MSc, FWACP	Part-time Lecturer	Occupational Health
108.	Dr. Alafaka Tobin	MBBS, FMCPH	Part-time Lecturer	Epidemiology /Biostatistics
109.	Dr. Omonethra Kadiri-Eneh	MBBS, FWACP	Part-time Lecturer	Epidemiology
110.	Dr Adetomi Bademosi	MBBS, FWACP	Part-time Lecturer	Medical Sociology, Rehabilitative and Social Medicine
111.	Dr Onyinye Mba	MBBS, FMCPH	Part-time Lecturer	Occupational Health
112.	Dr Tondor Uzosike	MBBS, FMCPH, FWACP	Part-time Lecturer	Reproductive Health

S/N	NAME	QUALIFICATIONS	DESIGNATION	SPECIALISATION
113.	Dr Ifeoma Katchy	MBBS, FWACP	Part-time Lecturer	Epidemiology /Biostatistics
114.	Dr Henry Mark	BSc, MSc, PhD	Part-time Lecturer	Epidemiology/Biostatistics
115.	Dr Clement Edet	MBBS, MSc (Pharmacology & Toxicology), MPH, FMCPH	Part-time Lecturer	Reproductive/Family Health
116.	Dr I. Briggs	MBBS, MPH, FMCPH	Part-time Lecturer	Occupational Health
117.	Mr Emeka Anyiam	BSc, MSc	Part-time Lecturer	Data Science
118.	Dr Iboh Oghu	MBBS, MSc, FWACP	Part-time Lecturer	Occupational Health
119.	Dr. Obinna Oleribe	MBBS, FWACP, DrPH	Visiting	Health Management

FACILITIES

The current facilities available for use by the Centre include:

- Office of the Director at the Nuclear Medicine Building in UPTH
- 2 temporary classrooms at the Nuclear Medicine Building in UPTH
- Full time consultants in public health covering the ten approved subspecialties, and nine teaching subject areas in public health.
- Public health laboratory
- Public health museum
- Departmental library
- Data processing and computer facilities
- Clinical facilities for the training of resident doctors
- Out-patient clinics for STD, HIV treatment and care, Growth Monitoring, Well Person clinic, Occupational health clinic, family health clinic, family planning, endemic diseases, immunoprophylaxis
- Facility for urban community health programmes at Aluu Health Centre
- Facility for rural community health programmes at Kegbara Dere, in Gokana LGA
- Facility for management of Drug Resistant Tuberculosis
- Outside organizations and facilities ideal for subspecialty postings.

UNIVERSITY OF PORT HARCOURT COLLEGE OF HEALTH SCIENCES FACULTY OF BASIC MEDICAL SCIENCES DEPARTMENT OF PHARMACOLOGY

PROPOSED POSTGRADUATE DIPLOMA PROGRAMME IN PHARMACOLOGY

INTRODUCTION

Postgraduate programmes of universities are set up to enhance academic research and develop manpower with various specializations. The Department of Pharmacology currently runs MSc and PhD programmes. The first intake of students into the MSc programme was in the 1995/96 session, and since then the programme has been producing specialized manpower in different areas of Pharmacology. Over these years, we have been inundated by requests from people with interest in running a higher degree in Pharmacology but with some background or CGPA deficiencies. These deficiencies are what the proposed Postgraduate Diploma in Pharmacology seeks to remedy.

PHILOSOPHY

The philosophy of the proposed Postgraduate Diploma programme is to provide a platform for training graduates of relevant fields in the fundamentals of Pharmacology and prepare them for higher degrees in Pharmacology

VISION

The vision of the programme is to provide an opportunity for candidates, who because of a low CGPA or initial background in their first degree would not have been able to directly enrol for a Masters degree in Pharmacology, to qualify for higher degree training in Pharmacology.

MISSION

The Postgraduate diploma programme will prepare candidates for MSc Pharmacology and relevant fields allied to applied sciences and medicine. The ultimate mission of the programme is sustainable manpower development.

RATIONALE

To provide a framework where those with research interest in Pharmacology will remedy their background deficiencies and continue with their area of interest.

AIM

To train Postgraduate Diploma students in Pharmacology

OBJECTIVES

Postgraduate Diploma studies in Pharmacology aims at training candidates to acquire Basic and Post-Basic knowledge and skillful research techniques so as to produce:

- a) Graduates with basic knowledge of Pharmacology.
- b) Graduates capable of understanding, designing and conducting experiments in Pharmacology

ADMISSION REQUIREMENTS

Candidates applying for the Postgraduate Diploma in Pharmacology should have a Bachelor's Degree with a minimum of 2nd Class lowers Honours in Biochemistry, Physiology, Anatomy, Biomedical Technology, nursing, physiotherapy, radiography, optometry, medical laboratory science and related Biological Science discipline or a third class in Pharmacology.

PROGRAMME DURATION

The duration of this programme is a minimum of 12 calendar months and a maximum of 24 calendar months full time; a minimum of 24 calendar months and a maximum of 36 calendar months part time to complete.

GRADUATION REQUIREMENTS

Candidates are expected to register for, and pass 30 units of course work with minimum score of (50%) (C). In addition, candidates will be required present a seminar, and complete a project work.

To qualify for the M.Sc. programme, each candidate must pass all 24units of taught courses, 3 units of seminar and 3 units of project work and obtain a C.G.PA of at least 3.5 and above in the Diploma Programme.

PGD PHARMACOLOGY Course Outline

FIRST SEMESTER

S/N	COURSE CODE	COURSE TITLE	CREDIT UNITS
1	PHA 730.1	General Pharmacology and Principles of Drug action	3
2	PHA 731.1	Systems Pharmacology	3
3	PHA 732.1	Cardiovascular and Haemopoietic Pharmacology	3
4	PHA 733.1	Endocrine System & Immunopharmacology	3
4	PHA 734.1	Practical Pharmacology & Instrumentation	3
TOTAL			15

SECOND SEMESTER

S/N	COURSE CODE	COURSE TITLE	CREDITS UNITS
1	PHA 730.2	Drugs affecting the Central Nervous System	3
2	PHA 731.2	Toxicology & Chemical Safety	3
3	PHA 732.2	Chemotherapy	3
5	PHA 734.2	Seminar I	3

6	PHA 735.2	Project	3
TOTAL			15

COURSE DESCRIPTION

PHA 730.1: General Pharmacology and Principles of Drug action

Definitions, Aims and Objectives. Origin and Sources of drugs; Drug names, Development of new drugs, Sources of Information., Drug administration, Routes, Dosage, Drug absorption, distribution and excretion. Drug metabolism and pharmacokinetics. Theories of drug / receptor interaction. Concepts of affinity and efficacy of agonists and antagonists. Structure/activity relationship. Direct measurement of drug binding to receptors. Concepts in drug antagonism: Competitive and non-competitive, irreversible and receptor inactivation, receptor desensitization. Bioassay, Biological standardization, L.D and EDS. Drug action in man – compliance; individual variation; presence of other drugs. Drug interaction, tolerance and tachyphylaxis; adverse effects/ side effect of drugs; effects of diseases, teratogenicity. Idiosyncrasy, drug dependence, Pharmacogenetics.

PHA 731.1: Systems Pharmacology: ANS, Renal, Respiratory & GIT Pharmacology

Autonomic Nervous System and Neurotransmitters; Review of Neurohumoral Transmission; Cholinergic Receptors; Anticholinesterases; Reversible and irreversible; Muscarinic receptor blockers, Ganglion stimulants and blockers; Noradrenergic system. Synthesis, storage and release of noradrenaline; fate of noradrenaline. Adrenergic Receptors. Actions of Catecholamines. Adrenergic receptor blockers. Drugs that modify noradrenergic action, mechanism of action of neuron blockers, depleters, false transmitters. Drugs acting on the eye; neuromuscular blockers, competitive and depolarizing blockers.

Drugs Acting on the Respiratory and Renal Systems

Analeptics, Expectorants; Cough suppressants; Mucolytic Agents Oxygen therapy, Bronchodilator drugs; Chronic Bronchitis and Emphysema; Hay Fever and Cold; Asthma – Status Asthmatics.

Diuretics; Agents affecting volume and composition of body fluids. The distribution and composition of body fluids. Internal exchange of water and solute - intracellular and extra cellular fluid volumes.

Alteration of Urinary pH; Urinary tract Infections; Renal Failure. Kidney Diseases and Drugs Inducing Kidney damage.

External exchanges of water and solute (The Balance Principle). Acid - Base disturbances. Mechanisms forming salts. Potassium - Physiological regulations. Pathological conditions. Magnesium- Abnormalities of magnesium metabolism

Drugs Acting on the Alimentary System

Antacids – Gastric antacids; classification and pharmacology of antacids; Gastric antacid in the treatment of peptic ulcer – Anticholinergics, H₂ Receptor Antagonists; other drugs used in the management of peptic ulcer. Gastrointestinal hormones – Pentagastrine secretion. Digestants – Pharmacology, toxic effects and therapeutic uses. Constipation; Laxatives and Cathartics, Vomiting; Antiemetics, Non-specific antidiarrhoeal drugs, drugs used in lipid disorders, cholestyramine, cholecystikinin, Drug promoting gastrointestinal motility, Drugs used in the treatment of chronic inflammatory bowel diseases and systemic encephalopathy.

PHA 732.1 Cardiovascular and Haemopoietic Pharmacology

Heart failure and its Drug Management; Digitalis and allied Cardiac Glycosides; Anti-anginal drugs; Vasodilators; Antihypertensive agents and drug therapy of Hypertension. Ischaemic Heart Disease and its Drug Management; Antiarrhythmic Drugs; Drugs used in the treatment of hyperlipoproteinemias.

Anaemias; Iron Deficiency and other Hypochromic Anaemias; Megaloblastic Anaemia, Iron-Cobalamins – Folates. Anticoagulants, Antithrombotic and thrombolytic drugs.

PHA 733.1: Endocrine System & Immunopharmacology

Mechanism of Action of Hormones; CNS-Hypothalamus-Adenohypophysis-Endocrine Glands; Anterior and Posterior Pituitary Hormones; Thyroid Hormones and Antithyroid drugs; Parathyroid Hormones, Calcitonin, Diabetes Mellitus; Insulin; Oral Hypoglycemics; Adrenocortical Hormones; Glucocorticoids, Mineral-ocoids; Hyperaldosteronism; Sex Hormones, Oestrogens, Androgens, Progestogens; Antagonists to Hormones; Pharmacological Methods of Family Planning.

Inflammatory Arthropathy and Degenerative Joint Disease; Metabolic Deposition Arthropathy; Analgesics; Non-steroidal Anti-inflammatory Drugs (NSAID); Corticosteroids; Long-term Anti-rheumatic Agents; Gold Salts, d-penicillamine; Chloroquine. Immunosuppressive agents; Levamisole; Gout, Colchicine and Democalcine; Phenylbutazone; Indomethacin, Probenecid; Ethioibeneid, Sulfinpyrazone; Allopurinol. Antiallergic and anti-asthmatic drugs. Principles of Drug Allergy and Autoimmunity.

PHA 730.2 Drugs affecting the Central Nervous System

Introduction to the Pharmacology of CNS Drugs, Sedative/Hypnotic Drugs, Pharmacology of Alcohols, Pharmacology of Antiepileptic Drugs, General Anaesthetics, Local Anaesthetics, Skeletal Muscle Relaxants, Pharmacologic Management of Parkinsonism and other Movement disorders, Antipsychotics and Lithium, Antidepressants, Opioid Analgesics and Antagonists, Drugs of Abuse.

PHA 731.2 Toxicology & Chemical Safety

Introduction: General approach to the treatment of poisons. Agents commonly involved and predisposing factors. General and specific antidotes.

Occupational and Environmental Toxicology: Pesticides (Insecticides, Herbicides, fungicides, Rodenticides, Fumigants).

Food Toxicology: Cyanide Poisoning, Clostridium botulium toxin and other bacterial toxins (Salmonella, Staphylococcus). Hycotoxins, Aflatoxins.

Toxins of Animal Origin: Arthropod toxins and venoms, Scorpion venoms. Reptile toxins (Elapid and viperid snake venoms).

Social Poisons: Amphetamines, cocaine, kolanuts.

Toxicology of Cosmetics (Skin and Hair).

Radiation and Radioactive materials: External radiation exposure, internal emitters, Radiation Potential Standards. Heavy metals.

Drug Interaction Toxicology: Definition and therapeutic importance, mechanisms of drug interaction, common examples and implications of drug-drug and drug-food interactions.

PHA 732.2 Chemotherapy

Antimicrobial, Antifungal, Antiviral Drugs and Drugs against Human Protozoal Diseases and Antihelminthic drugs.

Microbes in Man; Mode of Action of Antimicrobial Drugs; Sulphonamides; Penicillins; Cephalosporins Aminoglycoside Antibiotics; Lincomycins; Peptide Antibiotics; Drugs for the treatment of Tuberculosis and Leprosy; Miscellaneous Antibiotics - Vancomycin, Spectinomycin, Fulsidic Acid; Other Synthetic Antimicrobial Drugs; Nalidixic acid; Nitrofurantoin; Antifungal Agents; Polyene Antifungal Antibiotics; Fluorinated Pyrimidines; Imidazoles; Miscellaneous Antifungal Agents; Antiviral Agents; Methisazone; Idoxuridine; Cytarabine; Adenine.

Chemotherapy of Malignant Diseases

Major Features of Malignant Disease; Review of Cell Kinetics; Cell-cycle specificity; Cell-cycle Non specificity; Cancer Cell Versus Bacterial Infection; Principles of Cancer Chemotherapy; Adverse Effect of Antineoplastic Drugs, Alkylating Agents; Antimetabolites; Natural products; Anthra-cycline Antibiotics; other Antibiotics, Enzymes, Steroid Hormones and Antagonists; Miscellaneous Anti-cancer Drugs; Agents for Immunotherapy; Radio-activity

DEPARTMENT OF PHARMACOLOGY ACADEMIC STAFF LIST

S/N	NAME	DESIGNATION	QUALIFICATION	SPECIALIZATION
1	Prof. N. Brambaifa	Professor	<i>Vor - Dip. Dr. Re Nat (Berlin)</i>	<i>Biochemical Pharmacology</i>
2	Prof. A. W. Obianime	Professor	<i>B.Sc (Ibadan) Ph.D (London)</i>	<i>Immunopharmacology</i>
4	Prof. O. A. Georgewill	Professor	<i>B.Med Sc, MBBS, M.Sc, MD (UPH)</i>	<i>Cardiovascular pharmacology/ Neuropharmacology.</i>
5	Prof. I. M. Siminialayi	Professor	<i>B.Med Sc, MBBS (UPH) M.Sc (Lagos) MD (UPH)</i>	<i>Endocrine Pharmacology</i>
6	Dr. H. D. Kagbo	Senior Lecturer	<i>B.Sc., M.Sc. (UPH) Ph.D (Uyo), MNISP</i>	<i>Toxicology/Ethnopharmacology</i>
7	Dr (Mrs) Udeme O. Georgewill	Senior Lecturer/ Ag. HOD	<i>MBBCh, (Calabar) M.Sc, Ph.D (UPH)</i>	<i>Chemotherapy/toxicology</i>
8	Dr. S. G. Eyaru	Lecturer 1	<i>MBBS (Benin) MSc (Lagos)</i>	<i>Pharmacology</i>
9	Dr. J. O. Odigie	Lecturer 1	<i>MBBS, M.Sc (UPH)</i>	<i>Pharmacology</i>
10	Dr. Ijeoma. H. Ogbuehi	Lecturer 1	<i>BSc. (IMSU) MSc. Ph.D (UPH)</i>	<i>Reproductive toxicology</i>
11	Mr. D. M. Ogan	Grad. Asst.	<i>BMed. Sci. PGD (UPH)</i>	<i>Pharmacology</i>

University of Port Harcourt

Sports Institute (UPSI)

PROPOSED GRADUATE PROGRAMMES (M.Sc.) IN SPORTS SCIENCE

(Options):

- (A) **Sports Nutrition**
- (B) **Exercise Science**
- (C) **Fitness and Recreational Management**
- (D) **Sports Coaching and Administration**
- (E) **Sports Broadcasting/Journalism.**

1. **Introduction**

The University of Port Harcourt Sports Institute (UPSI) was established in 2014 through collaboration between the University and national and international sports institutes and academies, in partnership with sports industries. Its establishment is viewed as a paradigm shift from school sports to grow talents for competitive sports, including healthy recreation and sustainable development of the sports industry.

It is worthy of note that the University of Port Harcourt has impressive facilities certified by international bodies such as IAAF, FINA, FIBA, International Tennis Federation, International Federation of Swimming Organisation, and has dominated school sports in the West African sub-region for close to two (2) decades.

The collaborating institutes and academies include: National Institute for Sports and Lawn Tennis Academy in Nigeria, National Sports Institutes in South Africa, National Institute of Sports Expertise and Performance (NISEP), United States of America, China, India, Japan and South Korea, amongst others. It is heart-warming to state that UPSI is a member of an international consortium of institutions that bring together different cultures, training programmes and best operating practices, including best available technologies.

The Institute has successfully commenced its Diploma programmes in Sports Science and will, in the next few weeks, graduate its first batch of graduate students. It was this success story that informed the decision of UPSI Board of Management (BoM) to submit the proposal for the commencement of Masters programmes in Sports Science. The Institute has renowned professors and other senior academics who have published widely in high impact journals and are the finest in their areas of expertise. We are also collaborating with the best brains in the West African sports industries.

2. **Philosophy**

The philosophy of MSc. Programme in Sports Science is the promotion of culture of excellence in sustained learning, leadership, internationalism, professionalism and the advancement and propagation of knowledge in the sports industry.

3. **Vision**

The vision of MSc. Programme in Sports Science is to project the University of Port Harcourt as the foremost International Centre of Excellence in Sports and Recreation in Africa.

4. Mission

The mission of MSc. in Sports Science is to produce graduates that will meet the needs of sports industry through a commitment to excellence in training, applied research, continuing education, capacity building and community service.

5. Rationale

It is common knowledge that in recent times, international sports are purely scientific and countries such as Nigeria that are yet to key into this highly sophisticated sports have consistently performed abysmally in international sports competitions. For Nigeria to be numbered among the great sporting nations, it is pertinent that current scientific trends must be adopted and the MSc. Programme in sports Science promises to provide this needed missing link.

6. Aim

The aim of MSc. Programme in Sports Science is to produce innovative and highly motivated and competitive professionals equipped with sharpened competencies, technical expertise, multidisciplinary skills, professional ethics, cost efficiency, soft skills, including principles of clear communication and team skills for optimum productivity.

7. Objectives

The primary objective of the programme is to provide graduates with broad-based training required for sustainable sports development and recreation. On completion of the programme, the elite sports graduate will, among other skills, effectively:

- Compete globally and practice professionally in their respective areas of specialization.
- Project the University of Port Harcourt as a Centre of Excellence in Sports Science
- Train future athletes for better performance.

8. Admission Requirements

Candidates seeking admissions for Master's degree in Sports Science must have the following qualifications from recognised institutions:

- Five Credit passes, including English Language and Mathematics at the O' Level or its equivalent.
- Bachelor's degree with a minimum of Second Class Lower and with a CGPA of 3.00 or above, on a 5-point grading system or its equivalent.
- A Postgraduate Diploma with a minimum of 3.50 in Sports Science or related discipline, including post graduate diploma in Basic Medical Sciences (Biochemistry, Anatomy and Physiology) and Human Kinetics and Health Education from a recognised university.

9. Duration of Programmes

The duration of Programme for all the options are as follows:

- (a) Full-time: A minimum of twelve (12) calendar months and maximum of 24 calendar months.
- (b) Part-time: A minimum of 24 calendar months and maximum of 48 calendar months.

10. Requirements for Graduation

In addition to the compulsory course work, candidates are expected to carry out original Dissertation in partial fulfilment for the award of Master of Science degree in the relevant options, in line with Graduate School guidelines.

In general, the M.Sc programme shall consist of course work, seminars and dissertation.

11. Masters in Sports Science

The following conditions must be fulfilled by the student before the award of Masters in Sports Science

- (a) The student must pass a minimum of 35 credit units as shown below

Course	Units
Core Courses	27
Dissertation	6
Seminar	2
Total	35

- (b) He/She must carry-out a dissertation relevant to Sports Science and must defend his/her dissertation before School of Graduate Studies Board of Examiners.

12. Examination

- (a) In line with school of Graduate Studies Policy, the minimum pass score in course work shall be 50%. Also, the written semester examination shall constitute 70% of the examination while Continuous Assessments shall be 30% of the examination. Most importantly, a student must have a Cumulative Grade Point Average (CGPA) of not less than 3.00 in each semester, to be in good standing. A student whose CGPA fell below 3.00 at the end of the first year of study shall be asked to withdraw from the programme.

Scoring and grading of courses shall follow the School of Graduate Studies approved pattern as shown:

MARKS %	LETTER GRADES	GRADE POINTS

70 and Above	A	5
60 – 69	B	4
50 – 59	C	3
0 – 49	F	0

13. Course Structure for M.Sc in Sports Science

(FULL TIME)

FIRST SEMESTER (COMPULSORY COURSES)

COURSE CODE	COURSE TITLE	UNITS
SGS: 801.1	ICT and Research Methodology	2
SCI: 801.1	Overview of Sports Nutrition	2
SCI: 802.1	Fundamentals of Biomechanics	2
SCI: 803.1	Advanced Concepts in Sports Science	2
SCI: 804.1	Advanced Concepts in Sports Anatomy	2
SCI: 805.1	Advanced Concepts in Sports Physiology	2
SCI: 806.1	Current trends in Preventing and Management of Sport Injury	2
SCI: 807.1	Research Methods in Sports Science	2
	TOTAL	16

SECOND SEMESTER (SPECIALIZATION COURSES)

(A) Sports Nutrition Courses

COURSE CODE	COURSE TITLE	UNITS
SGS: 801.2	Entrepreneurship and Management	2
SCI: 808.2	Sports, Media and Society/Corporate Communication	2
SCI: 811.2	The Science of Eating and Exercise	3
SCI: 812.2	Sport-Foods, Supplements, Ergogenic aid and vegetarianism for athletes	2
SCI: 813.2	Sports Specific Training and Nutrition and Exercise, Nutrients and Body Adaptation	2
SCI: 814.2	Seminar	2
SCI: 815.2	Dissertation	6
TOTAL		19

B) Exercise Science Courses

COURSE CODE	COURSE TITLE	UNITS
SGS: 801.2	Entrepreneurship and Management	2
SCI: 808.2	Sports, Media and Society/Corporate Communication	2
SCI: 821.2	Exercise And Health/Exercise Testing And Training	3
SCI: 822.2	Energy Balance and Weight Control	2
SCI: 823.2	Advanced Laboratory Work and Exercise laboratory	2
SCI: 890.2	Seminar	2
SCI: 899.2	Dissertation	6
TOTAL		19

(C) Fitness and Recreational Management Courses

COURSE CODE	COURSE TITLE	UNITS
SGS: 801.2	Entrepreneurship and Management	2
SCI: 808.2	Sports, Media and Society/Corporate Communication	2
SCI: 831.2	Overview of Fitness and Recreation and Exercise and Recreational Adaptation	3
SCI: 832.2	Organization and Administration of Recreational Management	2
SCI: 833.2	Supervision of Recreational Programme and Leadership Techniques in Recreation	2
SCI: 890.2	Seminar	2
SCI: 899.2	Dissertation	6
TOTAL		19

(D) Sports Coaching and Administration Courses

COURSE CODE	COURSE TITLE	UNITS
SGS: 801.2	Entrepreneurship and Management	2
SCI: 808.2	Sports, Media and Society/Corporate Communication	2
SCI: 841.2	Principles and Theory of Sports Training and Administration of Sports Coaching	3
SCI: 842.1	Problems and Issues in Sports Coaching	2
SCI: 843.2	Planning and design of sports coaching and Supervision of Coaching Programme	2
SCI: 890.2	Seminar	2
SCI: 899.2	Dissertation	6
TOTAL		19

(E) Sports Journalism Courses

COURSE CODE	COURSE TITLE	UNITS
SGS: 801.2	Entrepreneurship and Management	2

SCI: 851.2	Sports, Media and Society/Corporate Communication	2
SCI: 853.2	Social Media and Sports Communication and Sports Communication Research	3
SCI: 856.2	Contemporary Issues in Sports Journalism and Sports Reporting/Community Development	2
SCI: 857.2	Art of Public Speaking /Investigative Reporting	2
SCI: 890.2	Seminar	2
SCI: 891.2	Dissertation	6
TOTAL		19

14. Course Structure for M.Sc in Sports Science

(PART-TIME)

FIRST SEMESTER YEAR-1 (COMPULSORY COURSES)

COURSE CODE	COURSE TITLE	UNITS
SGS: 801.1	ICT and Research Methodology	2
SCI: 801.1	Overview of Sports Nutrition	2
SCI: 802.1	Fundamentals of Biomechanics	2
SCI: 803.1	Advanced Concepts in Sports Science	2
	TOTAL	8

SECOND SEMESTER YEAR-1 (COMPULSORY COURSES)

COURSE CODE	COURSE TITLE	UNITS
SCI: 804.2	Advanced Concepts in Sports Anatomy	2
SCI: 805.2	Advanced Concepts in Sports Physiology	2
SCI: 806.2	Current trends in Preventing and Management of Sport Injury	2
SCI: 807.2	Research Methods in Sports Science	2
TOTAL		8

FIRST SEMESTER (YEAR-2)

(A) Sports Nutrition Courses

COURSE CODE	COURSE TITLE	UNITS
SGS: 801.1	Entrepreneurship and Management	2
SCI: 808.1	Sports, Media and Society/Corporate Communication	2
SCI: 815.1	Building a High energy eating Programme and Winning Recipes for Peak Performance	3
SCI: 813.1	Sport-Foods, Supplements, Ergogenic aid and vegetarianism for athletes	2
TOTAL		9

(B) Exercise Science Courses

COURSE CODE	COURSE TITLE	UNITS
SGS: 801.2	Entrepreneurship and Management	2
SCI: 808.2	Sports, Media and Society/Corporate Communication	2
SCI: 821.2	Exercise And Health/Exercise Testing and Training	3
SCI: 822.2	Energy Balance and Weight Control	2
	TOTAL	9

(C) Fitness and Recreational Management Courses

COURSE CODE	COURSE TITLE	UNITS
SGS: 801.2	Entrepreneurship and Management	2
SCI: 808.2	Sports, Media and Society/Corporate Communication	2
SCI: 831.2	Overview of Fitness and Recreation and Exercise and Recreational Adaptation	3
SCI: 832.2	Organization and Administration of Recreational Management	2
	TOTAL	9

(D) Sports Coaching and Administration Courses

COURSE CODE	COURSE TITLE	UNITS
SGS: 801.2	Entrepreneurship and Management	2
SCI: 808.2	Sports, Media and Society/Corporate Communication	2

SCI: 841.2	Principles and Theory of Sports Training and Administration of Sports Coaching	3
SCI: 842.1	Problems and Issues in Sports Coaching	2
TOTAL		9

(E) Sports Journalism Courses

COURSE CODE	COURSE TITLE	UNITS
SGS: 801.2	Entrepreneurship and Management	2
SCI: 808.2	Sports, Media and Society/Corporate Communication	2
SCI: 853.2	Social Media and Sports Communication and Sports Communication Research	3
SCI: 854.2	Contemporary Issues in Sports Journalism and Sports Reporting/Community Development	2
TOTAL		9

SECOND SEMESTER (YEAR-2)

(A) Sports Nutrition Courses

COURSE CODE	COURSE TITLE	UNITS
SCI: 813.2	Sport Specific Training and Nutrition and Energy Balance and Weight Control	2
SCI: 890.2	Seminar	2
SCI: 899.2	Dissertation	6
TOTAL		10

(B) Exercise Science Courses

COURSE CODE	COURSE TITLE	UNITS
SCI: 823.2	Advanced Laboratory Work and Exercise laboratory	2
SCI: 890.2	Seminar	2
SCI: 899.2	Dissertation	6
	TOTAL	10

(C) Fitness and Recreational Management Courses

COURSE CODE	COURSE TITLE	UNITS
SCI: 833.2	Supervision of Recreational Programme and Leadership Techniques in Recreation	2
SCI: 890.2	Seminar	2
SCI: 899.2	Dissertation	6
TOTAL		10

(D) Sports Coaching and Administration Courses

COURSE CODE	COURSE TITLE	UNITS
SCI: 843.2	Planning and design of sport coaching and Supervision of Coaching Programme	2
SCI: 890.2	Seminar	2
SCI: 899.2	Dissertation	6
TOTAL		10

(E) Sports Journalism Courses

COURSE CODE	COURSE TITLE	UNITS
SCI: 853.2	Art of Public Speaking /Investigative Reporting	2
SCI: 890.2	Seminar	2
SCI: 899.2	Dissertation	6
TOTAL		10

15. Course Description

➤ **General Courses**

- i. SGS:801.1: ICT and Research Methodology:** This course deals with the essentials of spreadsheets, microsoft excel, basic computing knowledge, windows 2018, Internet technology, statistical packages, precision and accuracy estimates, principles of statistics research, basics of power point presentation, concepts of hypotheses formulation and testing, organization of research and technical report writing.
- ii. SCI 801.2 Overview of Nutrition:**
 - The Nutrients - (i) Energy – yielding nutrients (ii) Vitamins (iii) Minerals (iv) water
 - Reasons for eating the way we do
 - The body's stress response
 - **Energy Balance and weight control**
 - Energy in: The Kcalories in food
 - Energy out: The Kcalories the body spends
 - Energy balance: Weight loss and gain
 - : Hunger, satiety and Anorexia
 - : Shifting the balance
 - Body weight and body composition

- Problems of obesity – causes of obesity, genetics verses environment, inactivity etc.
- (iii) **SCI 802.1: Fundamentals of Biomechanics:** The course examines the mechanics of motion, principles of stability and motion, law of motion and effects of forces upon movement in different directions. The anatomical and physiological fundamentals of human motion, fundamentals of region of the musculoskeletal structures and application of kinesiology to human motion.
- (iv) **SCI 803.1: Advanced Concepts in Sports Science:** The course deals with the concepts and conditions which influence the historical and philosophical basis of sports science, objectives and scope of sports science, the structure of sports science, sports implements and materials used in sports participation.
- (v) **SCI 804.1: Advanced Concepts in Sports Anatomy:** The course deals with the study of Anatomy and its relationship to Sports Science. Liver muscles involved in sports, cardiorespiratory system , exercise and sports.
- (vi) **SCI 805.1: Advanced Concepts in Sports Physiology:** The course deals with the structure of functional physiology to physical activities.
- (vii) **SCI 806.1: Current trends in Preventing and Management of Sports Injury:** Treatment principles of the scene of injury and emphasis on head injuries, cardiovascular problems, chest injuries and other curses of mortality in sports. Various methods and prevention of sports injury will be identified.
- (viii) **SRM 807.1: Research Methods in Sports Science:** The course deals with the nature and scope of Research methods in sports science and statistics. The basic descriptive statistical data collection, measures of frequency, distribution, control tendency and dispersion. Also inferential statistics of parametric and non-parametric tests as a means for scientific study.
- (ix) **SGS 801.2 Entrepreneurship and Management:** The course deals with business environment, general management, financial management, entrepreneurship development, feasibility studies, marketing and managerial problem solving.
- (x) **SCI: 801.2 Sports, Media and Society/Corporate Communication:** This course is structured to teach the students how social issues would influence sports and how sports may influence the society. The course covers media reportage of how certain social issues such as gender, gambling, racism, politics, and hooliganism, commercialization of sports and the influence of the media on sports among others are affecting sports administration. The students are equally taught how the interrelationship between media and society influence sports.
- (xi) **SCI 890.2: Seminar** – Students shall select topics approved by the course lecturer (s) from their area of specialization. They are expected to demonstrate ability to prepare logical and in-depth papers on the approved topics and make formal presentation of the papers to the Academic Board of the Institute.
- (xii) **SCI 899.2: The dissertation** shall be a written report of original research completed under the supervision of the supervisor(s).

➤ **Options**

- (A) **Sports Nutrition**

- a) **SCI:811.2 The Science of Eating and Exercise:**
- Fueling before Exercise
 - Fueling During and after exercise
 - Supplements, performance Enhancers and Engineered Sports Funds
 - Building a High-Energy Eating Plan.
 - Winning Recipes for Peak Performance: Bread and Breakfasts, Potatoes, Rice, Vegetables, Salads, Chicken and Turkey, Fish, Sea Food, Beans, Tofu, Beverages, Smoothies, Snacks and Desserts.

b) **SCI: 812.2: Sports Foods, Supplements, and Ergogenic Aids and Vegetarianism for Athletes**

- Sports Foods and Supplement Concepts
- Sports Foods: Bars, Drinks, and Gels
- Sports Supplements
- Physiological Ergogenic Effects
- Sports Doping
- Doping Drug Classification

Vegetarianism for active people and Athletes

- Protein quality and quantity,
- Vitamins and Minerals.

c) **SCI: 813.2 Sports Specific Training and Nutrition and Exercise, Nutrients, and Body Adaptation:**

- Nutrition for Ice Hockey
- Nutrition for Base-ball/Soft ball
- Nutrition for Football
- Nutrition for Basketball
- Nutrition for Volleyball
- Nutrition for Tennis
- Nutrition for Golf, Wrestling.
- Nutrition for Swimmers
- Nutrition for Cycling and Endurance Runners
- Nutrition for Body builders
- The essentials of exercise
- Exercise and the Body's use of fuels
- ATP and PC, the first fuels of Exercise
- Fat and Protein use in exercise
- Vitamins and Performance
- Minerals and Performance

(B) Exercise Science

- a) **SCI 821.2: Exercise and health, Exercise Testing and Training:** The course deals with the development of conceptual and laboratory competencies needed for work in adult fitness, cardiopulmonary rehabilitation programmes and physical therapy, including stress testing and prescription.
- b) **SCI 822.2: Energy Balance and Weight control:** The course deals with Blood energy needs of the human biological system throughout the life cycle with consideration of socio-psychological factors. Food composition and manipulation for weight control.
- c) **SCI 807.1: Advanced laboratory work and Exercise Laboratory:** Course deals with development of skills in the use of exercise and physical fitness apparatus in the laboratory.
 - **Advanced Laboratory Work:** Exercise machines, work loads and measuring equipment, treadmill, bicycle ergometer, dynamometer, sphygmomanometer, gas analyses, spirometer, ECG. Simple test of enzymes in the human body at rest and during exercise. Evaluation of physical fitness of athletes and individual research work in the laboratory.

(C) Fitness and Recreational Management

- a) **SCI 831.1: Overview of Fitness and Recreation, Exercise and Recreational management:** An overview of fitness concepts, social and economic background of present viewpoints of play and recreation and consideration of new points based on the production capacity of Nigeria.

Exercise and Recreational Adaptation: General practice in selected sports and games, critical study of motor ability through various training methodologies, adaptation, process of training, Periodization and recreational planning.

- b) **SCI 832.2: Organization and Administration of Recreational Managements:** Administrative policies for recreation on a national, state, or local basis. Suggested needed enabling laws, charter provisions and school codes. A survey and establishment of an administrative procedure of selected situations
- c) **SCI 833.2: Supervision of Recreational Programmes and Leadership Techniques in Recreation:** Course deals with personal interviews, supervisory conferences, in-service training programmes, supervision of activities, purchasing and maintenance of supplies and equipment. An analysis of the objectives of youth agencies in Nigeria, the role of their leadership in the fulfillment of those objectives.

(D) Sports Coaching and Administration (OPTION)

- a) **SCI 841.1 Principles and Theory of Sports Training and Administration of Sports Coaching:**
 - The subject will deal with the process of sports theory and principles in training, methods and various types of tests on athletes' assessment.
 - Problems and standards connected with the administration of sports club, relationship with state and national sporting federation.

- b) **SCA: 843.1: Problems and Issues in Sports Coaching:** A critical study of sports in context of culture, believes or gender with reference to social system educational economic, political and mass media and process changes. Also problems in sports administration and funding, personnel, supervision of facilities, and improvising.
- c) **SCI 891:2: Planning and design of Sports Coaching and Supervision Coaching Programme:**
- Standards for indoor facilities, their design and construction. Administrative concern for area and facility development.
 - Personal interview and supervisory conference, in-service training programme, supervision of activities ,purchasing and maintenance of supplies and equipment.
- (E) **Sports Journalism**
- a) **SCI: 853.1: Social Media and Sports Communication Reporting:** Social media have affected all the spheres of humans. This programme explores the role of social media in the sports industry . In this course, students will investigate the sociological impact of these new media platforms on sports communication as well and develop the skills necessary to create integrated, ethical, and professional social media campaigns. Sports as burgeoning business and entertainment are reported through various media platforms. The student will learn the various ways.
- b) **SCI 856:2 Contemporary issues in sports journalism and Sports reporting and rural development:**
- This is not a taught course, but designed for students to develop and research on certain contemporary problems in sports for presentation to colleagues. Students' topics should be approved by a supervisor/lecturer.
 - This course focuses on how to exploit the power of sports in gathering youths to effect rural change. The course will cover areas such as participatory' communication for development, community self-help, behavior change, entertainment education, social marketing, rural transformation, among others.
- c) **SCI 857.2: Art of public speaking and Investigative reporting:**
- This course focuses on oral communication or presentation of speeches. It is targeted at taking students through oral presentation skills.
 - Investigative journalism course focuses on digging deeper to unravel certain scandals, crimes and unethical activities going on in the society especially as they concern sports.

16. List of Lecturers

S/N	Names	Qualifications	Field of Specialization	Status

1.	Anugweje, K. C.	MBBCH, (Nigeria) DSM, (London), Ph.D (UPH)	Sports Science and Medicine	Professor
2.	Wegwu, M. O.	B.Sc, M.Sc, Ph.D, (UPH)	Nutritional Biochemistry and Toxicology	Professor
3.	Dapper, D. V.	MBBS, B. Med. Sc., MD (UPH)	Human Physiology	Professor
4.	Ihejiriekwa, W. C.	B.A; M.A; MED; Ph.D (Rome)	Communication Theory; Development Communication; New Information and Communication Technology; Media, Religion and Culture.	Professor
5.	Onyiaso C. O.	BDS (U.I), FWACS	Dentistry (orthodontics)	Professor
6.	Okpako, J. E. F.	B.ed., M.e.d, Ph.D (Ibadan)	Environmental, Health and Safety	Professor
7.	Mrs. I. C. Anochie	MBBS, (Benin), FWACP-(2001)	Paediatrics	Professor
8.	Amasiatu, A. A.	B.ed., M.e.d, (Nigeria); Ph.D (Lagos)	Exercise and Sports Psychology	Professor
		BSBA, MBA, MS,		Professor

		Ph.D		
		M.Sc, Ph.D, IDPM, PGD, MARS.	Strategic Marketing Management	
9.	Kalu, S. E.	B.Sc (UST); MBA M.Sc, Ph.D (UP) FCIPIA	Operations Management/Quantity Analysis	Professor
10.	Umoh, G. I.	BBA, MBA, MS, Ph.D (U.I)	International Finance, Public Finance, Economics, Financial Modelling	Professor
11.	Nwinee, B. F.	B. ed; M.ed; Ph.D (U.I)	Sports Psychology and Sociology	Professor
12.	Akuru, G. B.	B.Sc (Ilorin); M.Sc (Lagos) Ph.D (ABSU)	Organisational Leadership and Factor Analysis	Director
13.	Ukohia Ojiabo	B.Sc, MBA, Ph.D	Developmental Anatomy and Anthropometry	Reader
14.	Oladipo, G. S.	B. Med. Sc. (Pharm) MBBS (UPH), FWACS (1991), FWACS (2003)	Marketing	Reader
		MBBS (Benin), M.Sc (Sports Med) – (London),	Radiology	

15.	Amue, J. G.			Reader
16.	Agi, C. E.	B.Sc, M.sc (Ilorin) Ph.D (UPH)	Radiology	Senior Lecturer
17.	Akpa M. R.	B.Sc (UPH); MSc, MBBS (Benin), Ph.D (UPH)	Neurophysiology	Senior Lecturer
18.	Olorunfemi, O. I.	B.A; M.A; (UNN) Ph.D (UPH)	Clinical and Experimental Anatomy	Senior Lecturer
19.	Paul, C. W.	B.A; M.A; Ph.D (UPH)	Mass Communication (Development Communication and Corporate Communication)	Senior Lecturer
20.	Ochonogor, C. I.	B.Sc (LASU); M.Sc (Lagos); Ph.D (U.I)	General linguistics	Senior Lecturer
21.	Obikudo, E. F.	B.Sc (RSU); M.Sc, Ph.D (Lagos)	Exercise Physiology and Rehabilitation Therapy	Senior Lecturer
		B.Sc, M.Sc, Ph.D (UPH)	Medical and Molecular Biochemistry	Senior

22.	Ogunleye V. A.	BBA, MBA, Ph.D	Toxicology	Lecturer
23	Onyegeme-Okerenta, K. C.	B.Sc, M.Sc, Ph.D (UPH)	Insurance Management and Public Finance and Entrepreneurial Finance	Senior Lecturer
24.	Patrick-Iwuanyanwu K. C.	B.Sc (DELSU), M.Sc, Ph.D (UPH)	Marketing	Senior Lecturer
25	Torbira, L. L.	B.Sc; M.Sc (UPH)	Nutritional Biochemistry	Senior Lecturer
26.	Ozuru H. N.	B.Sc, (UNN), M.Sc, Ph.D (UNIBEN)	Toxicology	Senior lecturer
27.	Amadi, B. A.		Gastorintestinal Physiology	Senior lecturer
28.	Okoro, Samson Eruke		Pharmacological Biochemistry and Toxicology	Lecturer II
29.	Obia, O.			Lecturer I
				Lecturer I

30.	Ogbonnaya, E. Anthony			
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Lecturers from national and international collaborating sports institutes and industries shall be part of the teaching crew.

UPH/FSS/063

12th February, 2019

NEW GRADUATE PROGRAMME
MASTER’S DEGREE IN SOCIAL POLICY

Introduction:

The proposed Master’s Degrees in Social Policy are intended to provide the necessary manpower required in the area of Social Policy Programming in Nigeria.

Philosophy:

The Philosophy of the Programme is to produce Graduate Students in Social Policy with requisite practical skills, knowledge and competence to support development planning and implementation in Nigeria.

Vision:

The Vision of the Master's Degree Programme in Social Policy is to become the foremost centre of excellence in the training of high level manpower that could provide evidence-based policy and Practice in Nigeria and beyond.

Mission:

The Mission of the Programme is to produce Graduate Students that have the capacities in the area of human resources that will provide leadership in Social Policy formulation, implementation, monitoring and evaluation within Nigeria and beyond.

Rationale:

To develop a programme that will offer higher Degrees in the various areas of Social Policy issue that have to address the various challenges Nigerian Citizens are going through – Economics, Psychological, Political and Socio-Cultural issues, on a sustainable basis.

Aim and Objectives

The Master's Degree Programme in Social Policy aims at building high-level manpower that are capable of producing evidence-based Policy and Practice that deal with the various challenges facing Nigerian Citizens.

However, in specific terms, objectives of the Master's Degree in Social Policy are to:

- i. Educate and train Graduate Students in Social Policy Formulation/Design, implementation, monitoring and evaluation;
- ii. Sensitize students on the various challenges faced by citizens and their consequences;
- iii. Prepare the students with evidence-based research capacities, particularly exposing them to practical skills required in Social Policy research matters;

- iv. Prepare students with capacity for data generation for Policy-Making and Analyses;
- v. Ensure Socio-Economic relevance of the academic programme with particular reference to the capacity of graduates to identify Social Problems and be equipped with the practical skills to proffer solutions to these problems, as well as have capacity for self-employment and the needs of employers of labour;
- vi. Provide an avenue for graduates to understand the peculiarities of vulnerable groups – Children, Women, People with special needs, Internally Displaced Persons, etc.; and
- vii. Provide an avenue where some graduates will be given an opportunity to pursue a Doctorate Degree Programme in Social Policy.

Admission Requirements:

- a. O' Level Credit passes in five subjects including English and Mathematics for the two programmes.
- b. Minimum of Second Class Lower Honours Bachelor's Degree in any of the Social Sciences and other related fields, CGPA 3.0 in a 5.0-point scale or 2.4 in 4.0-point scale.
- c. Candidates with Postgraduate diplomas in related Social Sciences fields with minimum of 3.5 in a 5 – point scale or 2.8 in 4.0-point scale for the M.Sc. Programme and 3.0 in a 5.0-point scale or 2.4 in 4.0-point scale and above for the Professional Programme (MSP-Master of Social Policy).

Mode of Study:

- There will be the ACADEMIC and PROFESSIONAL Programmes in Social Policy.
- For the academic programme, it will be Full Time and/or Part Time bases. The duration will be a minimum of 18 calendar months for Full Time and 36 months for Part Time.
- For the Professional programme, the duration will be minimum of 24 months for Full Time and 36 months for Part Time.

Graduation Requirements:

Candidates will earn a minimum of Thirty-Six (36) Credit Units: Thirty (30) Credit Units for Course Work and the remaining Six (6) Credit Units for Dissertation for the Academic Programme and Project/Long Essay for the Professional Programme.