



**UNIVERSITY OF BENIN,
BENIN CITY, NIGERIA**



**CENTRE OF EXCELLENCE IN
REPRODUCTIVE HEALTH INNOVATION
(CERHI)**

STUDENTS' HANDBOOK

*African Centre of Excellence
Supported by the World Bank & the Association of African Universities*

Revised, June 2019

PREAMBLE

This Hand Book is designed to provide basic information on the University of Benin, Centre of Excellence in Reproductive Health Innovation (CERHI) Programme. It is only a supplement to the Official Students' Hand Book (OSHB) of the University of Benin as regards the CERHI Programme and not meant to duplicate the content of the latter in any form. Therefore, any information not contained in this book will be found in the OSHB and any other recognised channel of communication of the University of Benin.

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UNIBEN ANTHEM

ARISE MIGHTY UNIBEN

1. All over the wide wide world
Our fruitful works unfurl,
What we sow'd with joy and pride,
With good our common goal
One heart and voice for all,
We heed the purple clarion call,

Refrain: *Arise mighty UNIBEN
Robed in your purple and gold
Clad in your fertile green hem
Knowledge for service untold*

2. Between blue sky and red soil
Excellent hard work endure
We groom man and nation in
Spirits of Unibest pure
Come through our opened gate
Where fair play and merit dictate

Refrain: Arise mighty UNIBEN

3. God bless this our noble school
As we bid peace to reign
May we have no cause to mourn
But rejoice in gains achieved
We hope for place man will
Bring brain and brawn to build self still.

Refrain: Arise mighty UNIBEN

INITIATED BY: E. I. AYANRU (former Registrar)

WORD/MELODY BY: FESTUS UMUKORO

SCORE/ARR/HARMONY BY: RAYMOND OKENRENTIE

Welcome message from the Centre Leader

My Dear Student,

The University of Benin was one of the 22 universities that received a highly competitive grant from the World Bank in 2014 to establish African Centres of Excellence (ACE) programmes to foster regional integration and development in different science disciplines.

The Centre of Excellence in Reproductive Health Innovation (CERHI), University of Benin, Benin City, Nigeria is one of these Centres of Excellence established and supported by the World Bank. CERHI's mission is to build capacity within the West and Central African regions for tackling the challenges relating to population and reproductive health in the region. To be a leading institution providing innovative and transformational changes on matters relating to population and development and the improvement of the living standards of citizens in Africa.

Our program objectives are 5-fold as follows:

- 1) New Masters and PhDs training programs in reproductive health, public health, nursing and health economics
- 2) Staff and students participating in outreach experiences into the private sector
- 3) Delivery of short courses in reproductive health related topics.
- 4) Formation of regional partnerships to increase regional academic collaboration
- 5) Increased academic productivity by students and faculties through high impact academic outputs and outcomes

Since its establishment, CERHI has proven to be a leading Centre in Reproductive Health and runs Masters and PhD programmes in Nursing Science, Public Health, Reproductive Health and Health Economics. Our graduates are breaking new grounds in research; win grants/awards especially in the areas of Reproductive Health. Here are some reasons why you should be study at CERHI.

Accreditation

All CERHI programmes have obtained institutional accreditation from the Agency for Public Health Education Accreditation (APHEA) based in Belgium. In addition, two of our short courses were given international accreditation as a Continuing Training & Education Event (CTEE). CERHI also received international accreditation from the High Council for Evaluation of Research and Higher Education (HCERES), France for Masters programmes in Nursing,

Reproductive Health and Health Economics. All CERHI programmes have had national accreditation from the National Universities Commission (NUC) of Nigeria. Our graduates are equipped with the knowledge and skills that will enable them compete with their peers trained in other parts of the World.

[https://www.aphea.be/Pages/A4.INSTITUTIONS/Accredited Institutions.html](https://www.aphea.be/Pages/A4.INSTITUTIONS/Accredited%20Institutions.html)

Cutting Edge Research and Innovation

CERHI is a research and training Centre with emphasis on cutting edge research and innovation. Studying with us would afford students the opportunity to join the CERHI team of award winning scientists and experts who have led the development and implementation of several ground-breaking ideas in research in the field of sexual and reproductive health and population studies.

Innovative Curricula

CERHI has innovative curricula that encourage interdisciplinary training of students with emphasis on development of superior problem-solving and analytical skills. These programmes cover well chosen areas that are scientifically up to date and have high relevance and attractiveness for the labour market in Africa and globally.

World Class Infrastructure and Facilities

CERHI has an ultramodern Secretariat located in the heart of the University of Benin with the following facilities:

- Lecture Theatres, with modern learning materials
- Teleconferencing facilities
- Laboratory for high grade research
- Reproductive health library
- E-library facilities with EBSCO host journal, science direct, E-journals, E-books and Journals
- Free WI-FI, both in classrooms and in students' hostels
- Uninterrupted power supply etc.

The Centre also has a comfortable and well-furnished accommodation for international students which features uninterrupted power supply alongside free Wi-Fi and comfortable conveniences for students.

An ultramodern guest house, well-furnished and equipped with comfortable furnishings for visiting faculty and exchange students with a 24/7 power supply and free Wi-Fi is also hosted by CERHI.

Scholarships/Internship Opportunities for Students

CERHI offers scholarships to highly qualified international students as well as support students on internship programmes in National, Regional and

International Institutions. Internship is an integral part of the programme offered to students in relevant public and private sector establishments to enable the students enhance their technical as well as develop their entrepreneurial skills. Students are welcome to submit applications for these scholarship to the Centre's Management Office.

Regional Centre

The Centre of Excellence in Reproductive Health Innovation has enrolled students from different African countries making a truly continent-wide Centre of Excellence. This has facilitated the exchange of knowledge between African Countries.

The CERHI Students' Support Team

CERHI is made up of an excellent team ready to assist and guide students throughout their course of study to establish and keep lifelong friendships. CERHI programme is being implemented by the University of Benin in collaboration with partner institutions

We invite you to take advantage of the academic programmes, amenities and services provided by the Centre, to aid your adjustment, overall welfare and sustain your academic pursuit. I enjoin you to exercise the intellectual privilege you now have at your disposal with utmost caution, discretion and due regard for the needs, right and welfare of both your immediate and the wider community.

This document contains important information about the University of Benin, CERHI, your training and other useful information that would help you. Please read through carefully and keep for future reference. If you have any problem, please contact the appropriate member of staff, or any of the coordinators or your adviser.

Please note that this document would be used in conjunction with other policies and guidelines of the University of Benin. This Manual is without prejudice to the existing relevant rules, regulations and conducts at the level of the University of Benin. Where there are conflicts, the position of the University of Benin will most likely supersede that of the Centre of Excellence.

We will see quite a lot of each other in the forthcoming years as I look forward to working with you, and to several enjoyable social occasions.

Welcome,

Professor Friday Okonofua, B.Sc. (Hons), PhD (Karolinska), MB ChB (Ile-Ife), FRCOG, FWACS, FICS, ed audem FRCOG (UK), FAS, FAAS
Professor of Obstetrics and Gynaecology and Reproductive Health
Centre Leader, CERHI

BRIEF NARRATIVE SUMMARY OF UNIBEN CERHI

Background: Reproductive health (RH) has been defined as: “a state of complete physical, mental and social well-being and not merely the absence of diseases or infirmity of the reproductive system”. RH addresses the reproductive processes, functions and systems at all stages of life, and includes fertility regulation, safe motherhood, infant and child survival, sexually transmitted disease including HIV/AIDS, and the prevention of unsafe abortion. The World Health Organization (WHO) estimates that RH accounts for about 20% of the global burden of disease. As a result of its effects on population dynamics, its practice is a central consideration in global development. It was therefore not surprising that five of the eight Millennium Development Goals agreed to by world leaders for promoting global development at the turn of the new Millennium were founded on the principles of RH.

A major development challenge in West Africa is the poor state of reproductive health as evidenced by high rates of fertility, maternal mortality, and unsafe abortion in the region. All of the 15 countries in West Africa have some of the lowest contraceptive prevalence rates and highest population growth rates in the world, a situation which presents huge economic and social burden with adverse consequences for the region’s growth and development. Nigeria as an example currently has the second highest number of maternal deaths, the highest number of infant deaths and the second highest burden of HIV/AIDs in the world. The country also has the highest number of under-aged marriages, gender-based violence, and sex trafficking in Africa. Despite this high burden of reproductive ill-health, Nigeria has yet to integrate RH into its health and educational system due to a deficit of qualified human resources to address this developmental challenge. There are currently limited educational programs that build the capacity of undergraduate and post-graduate students to undertake service delivery and research for the purpose of improving key indicators of RH in the region. There is a need to raise an adequate number of human resources to develop and implement appropriate policies and programs for reducing rapid population growth and advancing growth and development in the region. It is only through such efforts that the region will witness genuine growth and planned comprehensive development anytime soon.

Programme Goal: The Centre of Excellence in Reproductive Health Innovation (CERHI) will build capacity within West Africa’s tertiary educational system for implementing high quality training and applied research for reproductive health professions to tackle policies and programs for reducing the region’s high burden of fertility, unsafe abortion, maternal mortality and HIV/AIDS.

Specific Objectives of the Centre include the

1. Training of students and technical experts/policymakers through short courses on relevant fertility, maternal mortality, HIV/AIDS and reproductive health policy topics in the region.
2. Training of Masters in reproductive health, public health, health economics and nursing.
3. Training of PhDs in reproductive health, public health, and nursing.
4. Development of regional laboratory capacity to support HIV/AIDS and other reproductive health related problems.

Methodology: Under CERHI, short term courses, Masters and PhD courses of study in RH, public health, nursing and health economics have been re-designed and reviewed at 3 levels: first by the individual departments, followed by a curriculum review workshop involving regional, selected international partners and industry stakeholders and sector planners which is a novel approach to curriculum development. Finally, the Departments teamed up with identified international partner institutions to finalize the curricula and the Center is responsible for coordinating the execution of these novel programs. The idea is to ensure that the curricular meet specific regional development needs, and that they are relevant globally to resource limited settings and are of sufficient quality they can be accredited by international accreditation bodies. Through CERHI's regional and international collaborations the best of the region's resources is being brought together making it a true Centre of excellence in the discipline of reproductive health. New applied research methodologies are also being developed and staff are continuously being trained to use both the curricular as well as these methodologies. Faculty and students are recruited from the West African region to build regional capacity and collaboration.

Partnerships: The center has sought national, regional and international partnerships that have enhanced the learning environment for students, promote faculty development, collaborative applied research and new knowledge in the field of reproductive health. The project Departments at UNIBEN and in regional partner institutions are:

Community health, Economics, Obstetrics and Gynecology and Nursing Science. The national university partner institutions are the University of Ibadan (UI) (coordinated by Prof A. Oladokun) contributing faculty in public health, health economics, nursing faculty and co-supervision of masters and PhD students and the Ahmadu Bello University (ABU) (coordinated by Dr Nana Madugu) provide a relevant site for short term courses especially on high fertility as well as co-supervision of masters and PhD students. The national public partner; the National Institute for Medical Research (NIMR) (coordinated by Dr AG Ohihoin) provides a site for outreach periods for faculty and students, laboratory capacity

for HIV/AIDS research and location for short courses in laboratory medicine. We also involved private industry partners including General Electric Healthcare, Phillips International, Thomson Reuters, EMZOR and Fidson Pharmaceuticals, which provide opportunity for outreach periods in new reproductive health technology field that impact on the provision of family planning and reduction of maternal mortality. In Nigeria, the non-governmental and civil society organizations provide the majority of reproductive healthcare. Outreach periods for students with these groups will provide opportunity for thesis project sites and for practical experience working in the RH sector.

Regional partners include the University of Benin in Cotonou (UBC) which co-supervise thesis students and provide faculty for exchange in the area of public health. The University of Ghana (UG) (coordinated by Professor Richard Adanu) provides for faculty exchange in public and reproductive health, undertake joint research projects and co-supervision of thesis students as well as share research facilities. The University of Niger provides a site for collaborative research for student and faculty projects and faculty exchange. The regional research lab, the Navrongo Institute is a partner for outreach periods for faculty and students to strength laboratory skills.

The key international partner institutions whose faculty are being engaged in the project include:

The Queens University, Belfast, United Kingdom (Coordinator - Professor Yun Yun, Professor of Toxicology) collaborates in the area of advanced nursing degrees, Harvard School of Public Health in public health and reproductive health, the University of Toronto in reproductive health law and the University of Maryland reproductive health applied research.

University of California, Berkeley, USA, (Coordinator - Professor Malcolm Potts, Emeritus Professor of Obstetrics and Gynaecology), University of Alabama at Birmingham, USA (Coordinator - Prof Andrzej Kulczycki, Professor of Health Care Organization and Management) and the African Academy of Public Health, Dar es Salaam, Tanzania (Coordinator - Dr. Mary Mwanyika-Sando, Deputy CEO)

The international partner institutions are working with specific Departments within CERHI to review and develop new curricula, conduct trainings and collaborate in running short courses and provide additional mentorship to PhD and Masters Students, and participate in students/faculty exchange and visits.

Important Changes Made: The University of Benin strongly believes that CERHI will make significant contributions to improving the quality of training of reproductive health professionals in West Africa through improving training, applied research and research infrastructure. This center is implementing new short courses, masters degrees and PhD degrees in public health, nursing, reproductive health and health economics. Within the university, the academic approval system has fast tracked the center processes by designating individuals devoted to center related tasks allowing rapid development of the center. A key strategy to this is pooling resources from partner institutions for sensible and cost-effective use of faculty for teaching and student thesis mentorship. These partnerships between national, regional and international institutions has distinguished the Centre ensuring that it makes a sustainable contribution to reducing the present high rates of fertility, maternal mortality, unsafe abortion and HIV/AIDS in the region.

CERHI'S Mission: To implement high quality training and applied research for reproductive health professionals needed to build a new cohort of human resource for reducing the region's high burden of fertility, unsafe abortion, maternal mortality and HIV/AIDS.

CERHI'S Vision: To be a leading institution providing innovative and transformational changes on matters relating to population and development and the improvement of the living standards of citizens in Africa.

Key Outputs for CERHI's activities

The Key Outputs for CERHI's activities include the following:

- 1) Masters and PhDs programmes in reproductive health, public health, nursing and health economics
- 2) Staff and students participating in outreach experience into the private sector and other regional partners
- 3) Delivery of short courses on reproductive health related topics.
- 4) Formation of regional partnerships to increase regional faculty and students at the center
- 5) Increased academic productivity by center student and faculty through academic paper output and research grant applications

The approved course fees are stated below while department information and the full descriptions of the centre's courses and curricula are stated under the relevant departments.

COURSE FEES

Nigerian Students

1.	Application Fees.....	N20,000.00
2.	School fees.....	N250,000.00
3.	Acceptance / Clearance Fees.....	N45,000.00
4.	Accommodation	N37,000.00
	Total.....	N352,000.00

**NOTE* ** THE SCHOOL FEES IS SUBJECT TO REVIEW FROM
TIME TO TIME**

Foreign Students

Consolidated Fees (for items 1- 4 above).....US\$2,500.00

Scholarships are available to foreign and national students (especially females) which covers tuition fees and others fees. See link to ‘CERHI Scholarship Policy’ for more information and application procedures;
<https://www.cerhiuniben.edu.ng/wp-content/uploads/2020/07/CERHI-Scholarship-Policy-and-Guidelines-FINAL.pdf>

SOURCES OF INFORMATION

The CERHI at the University of Benin is organized not only to facilitate effective administration and academic work, but also to provide information. The following sources of information are available. Whenever a student is in doubt, however, he/she should consult the Dean of Students or any officer of Student Affairs Division.

ACADEMIC OFFICE

Deputy Registrar (Admissions)

08036751076

Deputy Registrar (Senate Matters)

08036761078

CENTRE LEADER/ GRANTS MANAGER

08023347828

Feokonofua@yahoo.co.uk

DEPUTY CENTRE LEADER

08033579737

Doctoradeyemo@yahoo.com

PROGRAM MANAGER/ STUDENT LIAISON OFFICER

08039101991

Vivian.onoh@cerhi.uniben.edu

FEES

Deputy Bursar (Students)

Bursary Department

07057713753

abbyebewele@gmail.com

HEAD OF TRAINING AND RESEARCH

08039286549

Akuekegbe.omonkhua@uniben.edu

DIRECTOR OF STUDIES

08034057565

Mansaray2001@yahoo.com

POST-GRADUATE ADMISSIONS

Dean of Post-Graduate School

08066784963

Felix.okeimien@uniben.edu

The School of Postgraduate Studies was created with the following objectives:

1. To organize and co-ordinate the admission, registration, supervision and examination of Postgraduate studies.
2. To encourage and stimulate the growth, and development of Postgraduate programmes throughout the University.
3. To monitor the standard and progress of postgraduate courses and research, and ensure that standards are maintained.
4. To prepare and maintain permanent records of postgraduate students.
5. To review periodically, the postgraduate programme in the various Faculties/Schools and Departments with a view to ensuring that they are consistent with national objectives.
6. To liaise with the Bursary, the Central Registry and other units on all matters relating to Postgraduate studies.
7. To promote staff development.

ICT OFFICER

08052724800

Osayomore.ogbemudia@gmail.com

The Uniben ICT Unit manages the network in the University. The Unit makes sure that there is regular Internet access in the university. It maintains a website with URL, www.uniben.edu and the CERHI URL www.cerhi.uniben.edu. From this websites, you can gain access to information concerning the university and the Centre. The website also offers an e-mail service. Internet access for students is however provided through e-learning centres located in various faculties and halls of residence and run by UB Technologies.

Duties of the ICTU:

- 1 Acquisition and Maintenance of Computers and Computer related equipment in Uniben.
- 2 Processing of all Students Records
3. Online Students Admission, Clearance, Registration and Allocation of Accommodation.
- 4 Processing of Results and Marking of all Multiple Choice Examination Scripts.
- 5 Digital Printing of Massive documents and Printing of Large Examination Question Papers.
- 6 All Degrees and Diploma Certificate Production.

CHANGE OF NAME, INTER-FACULTY/DEPARTMENT TRANSFER AND MATRICULATION

Deputy Registrar (Exams & Records)
08038817657

FOREIGN STUDENTS

Dean of Students
Student Affairs Division
Ugbowo Campus
GSM:08033839154

LANGUAGE CENTRE

Student Affairs Division
Ugbowo Campus
GSM: 08120608497
Info@cerhi.uniben.edu

Students who do not meet the English language entry requirements or cannot communicate in English can take a 3 months pre-sessional course to develop their language skills before starting a degree. These courses improve your English level to prepare for your post graduate degree.

You'll be taught by our team of English language tutors. You'll study full time, with classes scheduled from Monday to Friday between 9am to 5pm. Teaching normally takes place at CERHI secretariat.

- Teaching hours per week: 24-48
- Timetable: You will be given your timetable at Induction
- Maximum class size: 25
- Course books: Average course book price is N1,000 - N3,000
- Selection process: The University is committed to equal opportunities in its admissions. All applications are considered on individual academic merit but consideration is given to females regional students before others.

Below is an example of what your timetable could look like. Please note, this is for guidance only. You'll receive your timetable during the first week of your course (induction week).

	Morning	Afternoon
Monday	English for academic	Academic skills and strategy development

Tuesday	purposes core content	Language in context/ Language for business
Wednesday		Academic language advice
Thursday		Language in context/ Language for business
Friday		Self-study

Learning support

Project Coordinator

CERHI

08097615590

info@cerhi.uniben.edu

Personal Tutor

Post graduate students at CERHI are supported by a personal tutor or an academic advisor at the beginning of the program. Talk to your personal tutor about your development and address any barriers to your learning.

Your learning will also be supported by communication classes helping you to improve your professional skills.

Professional and Academic Development (PAD)

We also offer Professional and Academic Development (PAD) classes and short courses, such as report writing, data handling and oral presentation skills, which you can attend as necessary.

SPORTS AND ATHLETICS

Director of Sports

Sports Complex.

Ugbowo Campus.

08023374515,08028719993,07064978786

SPORTING FACILITIES

The University of Benin is one of the few Universities in Africa with Ultra Modern Stadium with up-to-date facilities both at Ugbowo and Ekehuan Road Campuses.

SPORTING FACILITIES IN UGBOWO CAMPUS

It has an Ultra Modern Sports Complex with the following facilities:

- (a) A main bowl with more than 3000 sitting capacity pavilion.
- (b) An S-lane 400 meter synthetic track standard facilities for both Held and tracks events.
- (c) A standard football pitch and a practice pitch.
- (d) Olympic size, swimming pool, learner's swimmingpooi and with 2000 sitting capacity pavilion.
- (e) 4 Volleyball Courts.
- (f) 3 Hard Courts for Tennis.
- (g) Multipurpose Indoor Sports Hal! (Volleyball. Basketball, Badminton, Table Tennis and other activities.
- (h) 2 Outdoor Basketball Courts,
- (i) 1 Hockey Pitch.
- (j) I Cricket Pitch
- (k) 1 Concrete Handball Court.
- (I) 1 Synthetic Handball Court.
- (m) Table Tennis Boards.

SPORTING FACILITIES AVAILABLE IN EK&HU AN CAMPUS ARE AS FOLLOWS:

- (a) 1 Outdoor Basket ball Hard Currrt.
- (b) I Soccer Piteh.
- (c) 1 Volleyball Pitch.
- (d) 2 Tennis Hard Courts

TRAINING PROGRAMMES:

Tin: students training programmes are based on (he free period in their time tables from Monday to Friday (Moring or Evening). Every Saturday morning is for general illness training for both staff and students from 7a.m. to 10a.m.

STAFF STRENGTH

The University parades one of the most qualified and experience professionals in Sports administration, organisation and coaching. The Sports Centre is headed by an experienced seasoned Director of Sports, Dr. (Mrs.) F.I, ligbase. There are thirteen coaches, handling fifteen Sports under NUGA games.

SPORTS AVAILABLE FOR RECREATION AND COMPETITION

1. Athletic (Track- and Field)
2. Badminton
3. Basketball
4. Chess
5. Cricket
6. Handball
7. Hockey S.
8. Judo
9. Soccer (Football)
10. Squash
11. Swimming
12. Table Tennis
13. Taekwondo
14. Tennis.
15. Volleyball

MODE OF PARTICIPATION

The students are encouraged to register in any Sports of their choice at the Sports Centre Office, faculties, departments and coaches of various Sports. Students participation starts from the Departmental Games, Inter-Departmental (Dean's Cup) Inter-Faculty (Vice Chancellor's Cup). The Coaches. Faculty Sports Office. Faculty Student Director of Sports and Departmental Sports Coordinator are there to assist the student in achieving their set goals. The Sports Centre organise Intramural and Extramural Competitions as follows:

- * Intramural competitions
- * Cross country race for old and new students.
- * Dean's Cup involving the various Departments/Levels in the Faculty.
- * Vice Chancellor's Cup involves all the Faculties.
- * Extramural Competitions
- * NUGA Zone C Elimination/Preliminary Games involve six (6) Universities (Uniben, BIU, Di-LSU, OAU, Kogi and FIJPRE).
- * NUGA games proper involves 56 Universities registered with the NUGA (Nigeria \ University Ciames Association) Body.
- * WAUG Games (West African University Games)

- * FASU Games (Federation of African Sports Universities).
- * FISU Games (Federation of International Sports Universities Games).

National Sports Festival (involve recognized sports student by the states).
Championships/Tournaments from National Sports Associations. Friendly Games or Matches.

INCENTIVE

Any student who distinguished him/her self in any of the extramural competitions is given cash award and if, with Gold Medal, is awarded scholarship. Secondly all the participants in the extramural competitions are given automatic accommodation as an incentive. The University authority also organises reception for the students after the games.

Sports activity in University of Benin is one of the best avenues available to student outside the classroom work to release tension, get engaged gainfully and interact with other students and staff.

HEALTH SERVICES

Director
Health Services Department
Ugbowo Campus
07060461825, 09098229501, 08055619250
UNIBEN INTERCOM: 2124, 2125

The University Health Service targets the;

- (a) Promotion of positive health and vitality.
- (b) Prevention of infectious and non-infectious disease as well as injuries,
- (c) Organisation and provision of curative services viz - diagnosis and treatment of illness - in students, staff and their dependents.

The department has a team of dedicated and energetic medical and paramedical staff who are well experienced in student health care delivery, Out-patient services are rendered in the two clinics located at Ugbowo and Ekehuan Road Campuses, respectively, Other services available include laboratory and environmental health, In-patients (admission) facility exists in Ugbowo (sick bay) where patients can be admitted and treated, A 24-hour ambulance

service is available. All cases that cannot be treated by the department are referred to UBTH, Every attempt has been made to make the services student friendly, and the department offers a daily 24 hour service in both campuses as follows:

8.00 a.m.-8.00 p.m.-routine consultation and emergencies

8.00 p. m - 8.00a.m. - emergencies only

Weekends and public holidays - Emergencies

It is mandatory for all students granted admission into the University to do a medical examination after which they are duly registered with the department, so that they can avail themselves of the free medical service offered by the university. Counselling services are available for students who need to discuss their problems, all cases are treated with the strictest confidentiality.

The following numbers should be used to contact the University Health Services in cases of emergency:

SECURITY

Chief Security Officer

Security Division

Ugbowo Campus.

08076390289,08075883950, 08059532598

CAREERS AND COUNSELLING

Students' Guidance and

Counselling Centre

Ugbowo Campus

08106422713.08183740593

The Students' Guidance and Counselling Centre is a division in the Vice Chancellor's Office established on August 11th, 2011. Prior to this date, it was a unit in the Student Affairs Division. The Centre is currently located between Halls I and III.

The Centre's mission is to provide preventive guidance, career advice, practical training and support to students to prepare them for productive lives after school. The Centre is headed by a Director and is assisted by other counsellors and administrative staff.

The Centre is mandated to:

- Serve as a functional centre that provides services necessary for total development of students and to equally address such challenges militating against students' total development.

- Aid students in self-evaluation, self-understanding and to provide direction needed for students to take decisions consistent with immediate and long-term goals.
- Assist students identify their interests, values, abilities and positive personality traits and to match these with their chosen careers.
- Develop and promote training programmes aimed at enhancing students' employability and ultimate preparation for the world of work.

Services rendered at the Centre are:

- **Educational Counselling:** Creating career awareness in students through career education and information, individual and group career discussions and personality profile testing of students to discover their interests, abilities and study habits.
The Centre monitors students' academic performance through records obtained from various faculties and colleges of students requiring counseling intervention, The Centre provides individuals or group counseling to such students depending on the nature of identified challenges.
- **Personal-Social Counselling:** The Centre counsels students on moral and antisocial behavior for the elimination of social vices (cultism, drug abuse etc) and the ultimate cultivation of positive behavior. The Centre helps students acquire resiliency, coping, decision-making and interpersonal relationship skills needed to co-exist in the University community.
- **Vocational Counselling:** Providing opportunity for entrepreneurial training, cultivation of skills and acquisition of knowledge needed to create opportunities for work. The Centre organizes seminars/workshops to expose students to top-ranking employers of labour and equip them with effective job application and curriculum vitae (CV) writing skills to better their chances in the job recruitment process.
- **Pre-Marital/ Marital Counselling:** The Centre counsels students on premarital (selecting a marriage partner) and marital (adjusting to married life) challenges.
- **Leisure Counselling:** The Centre counsels students on constructive use of their leisure time. This is done through physical (face-to-face) counseling and periodic posting of educational, health and fitness tips for students on the Centre's facebookpage.
- **Referral Service:** The Centre refers students to other professionals and specialists where challenges presented by such students are outside the Centre's expertise or scope.

- Follow-Up: This is the means through which the Centre monitors and evaluates the progress of students (clients) with identified challenges.
- Online Counselling and Helpline Services: The Centre provides online counselling to students who cannot physically visit the Centre owing to proximity or fear of stigmatization by other students. The Centre currently has over 1,500 students on its facebook page. The facebook page is unibencounselling.

The Centre equally counsels students through helplines. Thousands of students have been counseled through this medium. The helplines are 08106422713 and 08156828319.

PASSAGES & IMMIGRATION

Vice Chancellor's Office
P.R.O 08037921122
Desk Officer 07036858292

INFORMATION RESOURCES

University Librarian
John Harris Library
librarian@uniben.edu
Ugbowo Campus
GSM:

APPLICATION FOR STUDENTS' PASSPORTS/VISAS

Dean of Students
Student Affairs Division
Ugbowo Campus
08033839154

S/N	DEPARTMENT	PROGRAMS	DESIGNATION	EMAIL	PHONE NUMBER
1	Nursing Science	M.Sc. and PhD in Nursing Science	Head of Department/ Examination Coordinator	christie.omorogbe@uniben.edu	08062304948
2	Nursing Science	M.Sc. and PhD in Nursing Science	Course Coordinator/Director	Ayafegbeh@gmail.com	08055673091
3	Obstetrics and Gynecology	M.Sc. and PhD in Reproductive Health	Head of Department/ Examination Coordinator	drjamesosai@gmail.com	08023634885
4	Obstetrics and	M.Sc. and PhD in	Course	osazee.kehinde@u	08034024470

	Gynacology	Reproductive Health	Coordinator/Director	niben.edu	
5	Economics	M.Sc. and PhD in Health Economics	Head of Department/ Examination Coordinator	clement.ighodaro@uniben.edu	07033102860
6	Economics	M.Sc. and PhD in Health Economics	Course Coordinator/Director	sunday.igbinedion@uniben.edu	08065432491
7	Community Health	M.Sc. and PhD in Public Health	Head of Department/ Examination Coordinator	Oliviadynski@gmail.com	08023521840
8	Community Health	M.Sc. and PhD in Public Health	Course Coordinator/Director	drandrewobi2006@gmail.com	08023447122

NOTE THE FOLLOWING

- The official currency in Nigeria is the Naira. Conversion into other world's currency can be obtained on <https://www.oanda.com/currency/converter/>
- There are numerous ATM machines available throughout the city and within the University
- The electrical voltage in Nigeria is 220v with a three square -prong socket
- Nigeria is on Greenwich Mean Time (GMT + 1)
- In Benin City, the wet season is warm, oppressive, and overcast and the dry season is hot, muggy, and partly cloudy. Over the course of the year, the temperature typically varies from 67°F to 88°F and is rarely below 60°F or above 91°F.

INTRODUCING STUDENT AFFAIRS DIVISION (STUDENT WELFARE)

The student Affairs division of the Vice-Chancellor's office is central to the University's mission of assisting students in their intellectual, physical, emotional, social and moral development.

The student Affairs division is responsible for the quality of the informal learning environment that students experience in the University community. Its functions which are administrative, educational, and supportive include:

- a. Meeting students' basic needs such as accommodation, feeding arrangements and transport;
- b. Providing essential services such as financial assistance through information on bursaries, scholarship and loans;
- c. Promotion of healthy environment on campus by caring for the psychological and development needs through sporting activities and professional counseling and advising;

- d. Augmenting the academic experience through the provision of productive, recreation, cultural and social activities.

The primary concern of the student Affairs Division is the student. The very nature of students' services foster this focus on the individual. In co-operative efforts with student, faculties and other administrative units of the University, the Division endeavors to provide the atmosphere and humane relationship that are essentials for the student overall adjustment, provision of equal opportunity to realize their potential as enlightened individuals and responsible members of society.

The mission of the student Affairs Division includes the environment and orientation of student, their welfare, and their development. Implicitly the Division take cognizance of changing interests and needs of student, and endeavors to adapt its programmes appropriately to their orderly development at the university.

The current Dean of student Affairs and Head of Division is Prof. O.B. Osadolor, a professor of African security, assisted by student Affairs officer, Mr.H.O. Osareren, Deputy Registrar. The Division is divided into sections, namely, Financial Aides/students' Welfare, Student Services, and Hall of Residence.

FINANCIAL AIDES/WELFARE SECTION

This section is charged with matters relating to bursaries, scholarship and loans for the student. It is also responsible for the general welfare of students. It provides student with on-campus accommodation.

STUDENTS'SERVICES

The Students' Services Section assists bona fide students with their travel arrangements, and is responsible for publishing the weekly Student News Bulletin.

FEEDING

The University operates the Buka system of feeding. There are a number of Bukas and Canteens in different parts of the University of Benin where students can feed. The Bukas are operated by individual contractors appointed by the University on a yearly contract basis. There is no fixed amount for meals, Students pay-as-they-eat. Students are advised to be economical in their spending so that their feeding allowances can sustain them for the Semester or Session.

HALLS OF RESIDENCE

The University now has a total of fourteen Halls of Residence, namely:

1. Hall One (Queen Idia Hall);
2. Hall Two (Madam Tinubu Hall);
3. Hall Three (Mallam Aminu Kano Hall);

4. Hall Four (Akanu Ibiam Hall)
5. Hall Five Male (100-Bed Space Hall);
6. Hall Five Female (100-Bed Space Hall);
7. Clinical Students Hostel;
8. Intercontinental Bank (Postgraduate) Hall, Ugbowo Campus;
9. Magaret Ekpo Hall (Female Undergraduate Hall), Ekehuan Campus;
10. Male Undergraduate Hall, Ekehuan Campus;
11. Postgraduate Hall (Male); Ekehuan Campus; and
12. Postgraduate Hall (Female), Ekehuan Campus.
13. Erastus Akingbola Hall, Ugbowo Campus
14. Keystone Hall, Ugbowo Campus
15. NDDC Hall, Ugbowo Campus

Each hall of residence is a centre for community life. All resident students are expected to contribute their quota to make it a happy home. There are opportunities to render voluntary service, and each student is required to exercise the greatest discretion and self discipline in relation to other students, Hall authorities and staff, as well as the general public.

Each Hall has a Hall Master/Mistress and a number of Wardens. The Hall PEO/SEO, Hall Supervisors and Porters manage the day-to-day administration of the hall.

The cleaning and maintenance of the halls has been contracted out to industrial cleaners, whose schedule is mainly to ensure cleanliness. They ensure that a high standard of hygiene is maintained for a healthy living environment among students in the hall. Professionals also manicure the lawns.

The University reserves the right to exclude any Student from a Hall of Residence or Hostel. Allocation of a place in Hall/Hostel shall depend on availability of accommodation, and compliance with rules and regulations governing residence.

APPLICATION FOR HALL ACCOMMODATION

Fresh students (UTME/PUDE) will be accommodated on first-come first-served basis after successful clearance. For other categories of students, allocation of accommodation has been deregulated and will also be on first-come first-serve basis.

Students are to apply Online after buying a hostel allocation scratch card for N500.00 from any of the designated banks. Applicants MUST then log in to the University website for their allocations (<https://uniben.waeup.org>). If successful, the applicant will be allocated a bed space.

The next stage is to pay the appropriate charges for the hall you have been provided a space in. The charges for all the halls of residence are listed below. All fresh students will pay #6,000.00 for their allotted bed spaces, as they are not likely to be provided accommodation in halls where the charges are higher, Students are to apply online by paying for a hostel maintenance charge at the appropriate rates, Applicants MUST then log in to the University website - <https://uniben.waeup.org> - for their hostel maintenance receipt, which must be submitted at their halls of residence before their spaces are confirmed.

HOSTEL MAINTENANCE CHARGES

In order to ensure that maximum attention is given to the maintenance of the Hostel, the University has place a Hostel maintenance Account Monitoring Committee, The committee is charged with the responsibility of overseeing how the money accruing from hostel maintenance charges paid by students is spent on hostel maintenance.

CERHI International Students Hostel (Postgraduate), Ugbowo- free for CERHI foreign students only

Postgraduate Halls (Male & Female), Ekehuan Campus:

Single Room	- N25,000
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100-Bed Space Hostels (Male & Female) - Final year students only	-N12,500
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Clinical Students Hostel (500 & 600 level Dental & Medical students)	-N9,500
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Other Undergraduate Hostels in both campuses -	-N8,000
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Erastus Akingbola (Postgraduate) Hall, Ugbowo Campus	
First Floor	-N30,000 per bed space

Second and Ground floor	
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Up bunk	-N12,000
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Down bunk	-N18,000
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Keystone Hostel	-N70,000
NDDC Hostel	-N25,000

STUDENT - STAFF RELATIONS AND STUDENTS PARTICIPATION IN UNIVERSITY BOARDS AND COMMITTEES

The University lays great emphasis on positive Student-Staff interaction. The relationship between staff and students should be seen as that of Senior and' Junior Members of the University community, and Students should feel free to seek the advice and assistance of staff Members of the University at all times. Hall Masters/Mistress and Wardens, the Students Affairs Division, and Faculty Student Advisers will be particularly happy to assist students at all times.

As a means of promoting students' participation in University governance and decision-making, especially in matters directly affecting their Welfare, Student representatives participate in key standing committees of the University. Students should know their representatives on these boards and committees and are encouraged to make use of their memberships of these bodies to promote a cross-fertilization of ideas and mutual communication.

Student representatives serve on the following Boards and Committees of the University:

- (a) Development and Physical Planning Committee
- (b) Students Disciplinary Committee
- (c) Ceremonials and Honorary Degree Committee
- (d) Board of Health
- Constituent Committees of the Campus Welfare Board
- (f) Library and Routine Publications Committee
- (g) Committee on Sports
- (h) Hall Management Committees
- (i) Work Study Programme

Students' News Bulletin

The Student News Bulletin is a weekly publication of the Student Affairs Division. It contains vital information for all students. Students are strongly advised to read the Bulletin every Friday, and other Special Editions that may be issued from time to time.

STUDENT PUBLICATIONS

The University has a tradition of a vigorous, free student press, and deliberately encourages responsible freedom of expression and speech in keeping with the best University tradition.

General Regulations

- (a) Only registered Students' Organisations may produce any publication or printed matter bearing the name of the University or purporting to emanate from it. Printed matters published by Students of the University of Benin may be sold on the campus only if it is produced or sold by a registered Student Organisation.
- (b) All student Publications must carry the names of the organization responsible for the publication and the individual names of the Editorial Board.
- (c) Any Student Organisation which publishes, sells or distributes printed or otherwise reproduced materials shall be held responsible for such materials including any matter arising as to libel, etc.
- (d) All student Publications must state explicitly on the editorial page that the opinions expressed there are not those of the University or of its student body as a whole,
- (e) Three copies of all Publications emanating from registered Students' organisations must be deposited in the Student Affairs Division.
- (f) The following types of Publications are prohibited on the Campus and are subject to disciplinary action:
 - i. Publications which are libelous and/or slanderous;
 - it. Publications which are obscene;
 - iii. Publications which incite to violence;
 - iv. Publications which are not properly signed and titled or are in any way anonymous.

STUDENT ORGANISATIONS

It is the policy of the University to encourage Students to organise and participate in associations which promote the Academic, Cultural, Recreational and Social life of the University. For this reason, the University encourages a Network of Student-directed Clubs and Societies designed to supplement Academic Societies and Social clubs catering for a wide variety of interests. Special interests and hobbies are provided for by a broad and constantly changing spectrum of student organisations. All organisations are required to

apply for formal recognition and registration to the Student Affairs Division, which the Vice-Chancellor has charged with the responsibility for granting the necessary approval after due enquiry as the Division may deem fit.

Two types of registered student organisations existed in the University of Benin. These are independent Organisations and Affiliated Organisations.

- (a) Independent organisations are those student organisations which have been duly registered in accordance with the regulations. They are entitled to appropriate privileges but may not receive special services or support from the University or the Students' Union.
- (b) Affiliated Organisations are those which have been duly registered as indicated, but are sponsored or endorsed by the University, the Students' Union or any of the academic Faculties and/or departments. Their purposes and activities in the University may not be political or religious in nature.

Conditions for University Recognition

As a rule, the University does not encourage or recognize any Student Organisation, which in its membership, discriminates on account of race, sex, or religion. For this reason, tribal and other ethnic Student Organisations are not encouraged or given any recognition by the University. However, such organisations where they are formed are required to inform the Dean of Students of their existence and objectives and to submit to him the names of their Officers and Constitution for record purposes, immediately upon appointment.

Student Organisations must meet the following conditions before being accorded University recognition:

- (a) Bonafide intent to pursue activities which are consistent with the Educational and Social Functions and Established Policies of the University.
- (b) An intention of permanence in organisation as evidenced by Organic Constitutions, Rules and Sources, commensurate with the activities to be undertaken, and the like;
- (c) Evidence that it is not part of any existing Student Organisation as evidenced by a significant number of Student Members or Prospective Members; and
- (d) Three Staff Patrons or Advisers.

For this purpose, groups seeking recognition must submit to the Dean of Student Affairs the following:

- (a) Ten copies of the proposed Constitution and By-Laws. Any future amendments must be notified to the Dean of! Student Affairs within twenty-four days of the adoption of such amendments, attached to the prescribed forms.
- (b) Names, Matriculation Numbers, Hostel and j Faculty/Departmental addresses of the officers
- (c) Signature of three Full-Time Senior Academic, Administrative or Technical Staff of the University who have agreed to serve as Adviser/Patron to the organisation.
- (d) Certificate by Adviser/Patron that at least twenty Full-Time Students will form the nucleus of the organisation.
- (e) Statement of purpose and proposed programme of activities as it relates to the expected contribution to the Academic, Cultural, Social, or Recreational life of the University.
- (f) Affiliation, if any, to outside organizations.
- (g) Statement of proposed Financial Support; or Resources, and Management of Funds.
- (h) Statement of Sponsorship from the Head of Department, Dean, etc. if the organization is to be sponsored by a Department, Faculty of the University,
- (i) Bursary receipt for the payment of N500.00Q: annual renewal or N1,000.000 fee for fresh registration.

Approval or disapproval of any application for recognition rests with the Dean of Student Affairs who may dissolve or disestablish any student organisation, after making such enquiries, if any, as may be deemed fit.

Privileges of Recognition

Organisations which have been accorded recognition are entitled to the following privileges:

- (a) Recruitment of members from among the members of the University Community:
- (b) Use of University facilities subject to payment of appropriate charges, if any, and in keeping with the scheduling and booking regulations and procedures governing the use of such facilities;;
- (c) The use of name of the University as a part of their official titles:
- (d) Application to the Students' Union with i respect to affiliated organisations for Financial and other forms of support for specific activities and/or programmes.

Conditions under which Recognition may be withdrawn

- (a) Failure to observe the Administrative Procedure established for recognition and for continued recognition.
- (b) Failure to observe University Rules and Regulations in force from time to time.
- (c) Failure as a group, to observe the Laws of Nigeria or failure to observe the normal requirements of decency, good morals, and good conduct.

General Regulations

- (a) Registration of a student organisation must not be construed as agreement with, support of, or approval of its activities at all times by the University, but only as a recognition of the rights of the organisation to exist at the University subject to the conditions appertaining.
- (b) Only bona fide Members of Staff and Registered students of the university are eligible for membership of student Organisations. Other persons may be admitted to associate membership if the organisations' constitutions so provide.
- (c) All Student Organisations must keep proper records of their Finances in accordance with such guidelines as may be laid down from time to time by the Student Affairs Division. All Funds raised by Student Organisations, or their Officers by whatever means, are subject to financial accountability.
- (d) Officers of Student Organisations are presumed to accept individual responsibilities for the planning and conduct of activities sponsored by their organisations.
- (e) Affiliated student Organisations may, upon application, receive support, including funds, from the Student Union. The sponsoring Faculty or Department must assume full responsibility along with the Organisation's Officers for the actions and activities of the sponsored' organisation.
- (f) No student Organisation is allowed to indicate or imply that it is acting on behalf of the University or with its approval without specific authorization by appropriate University authorities.
- (g) All Student Organisations must be registered through the Student Affairs Division at the beginning of each session by submitting the following information not **later than six weeks from the beginning of the new academic session:**
 - (i) Names and addresses, Faculty, Department and Hall of current Officers of the Organisations
 - ii. The name(s) of Faculty Adviser/Patron who has agreed to so serve.

- iii. Programme of activities for the year, including dates and venues
 - iv. A copy of the Annual Report for the preceding year.
- (h) No Club, Association or Society is officially registered unless its members have been interviewed and thoroughly screened. The outcome of the interview will determine the successful clubs to be registered for the session.

LIVING ARRANGEMENTS AND REGULATIONS FOR STUDENT

General Information

A bicycle, raincoat, or umbrella would be found useful as classrooms are far removed from Halls of Residence. The University has reactivated its intra-campus bus service to ease students transportation problems.

Students are advised not to keep large sums of money or other valuables in their rooms. Students are strongly advised to keep their money in the Bank. Doors should always be locked and the keys removed on leaving the rooms.

Students are reminded that Hall Porters are employees of the university and should be treated as such. They are required to draw the attention of students to any infringement of rules that they may notice and to report such infringement to the Hall Master/Mistress. Students are not only expected but are required to show courtesy and consideration in their dealing with all University employees at all times.

It is the policy of the University to provide an environment that will assist each Student in developing his or her academic and social potentials to the fullest. For this reason, the Halls of Residence are considered to, be an integral part of the total educational enterprise at the University of Benin.

Only bonafide registered students of the University are allowed to live in Halls of Residence. Accommodation in Halls of Residence is a privilege and not a right. Students who live in University Halls of Residence must therefore abide by the rules and regulations appertaining thereto.

Most Students want to reside in University Halls of Residence; but the demand for Hall Accommodation far exceeds the number of available places. All Rooms are therefore allocated to qualified students on the basis of criteria determined from time to time by the University. Students are responsible for cleaning their rooms and they also make their Beds. Common areas and open spaces are kept clean by the hall Staff. Reception Lounges and Recreation areas are available in each hall. Each hall also has modest conveniences, including showers and the commonly expected furniture. There are no running hot water facilities. The Housekeepers and the Porters are always available to attend to the reasonable needs of occupants, and to ensure compliance with all rules and regulations.

Requests for accommodation in Halls of Residence are made by New Students as part of their registration if they need accommodation.

Accommodation Arrangement in the Halls of Residence

Accommodation in the Halls of Residence of the University when available is allocated according to criteria worked out from year to year. Students desirous of bed spaces in halls of residence are advised to apply online. The following criteria have been approved (subject to availability),

- i. Fresh students
- ii. Final year students
- iii. Handicapped students
- iv. Students Union/Hall Executive
- v. Others.

Accommodation at the Ekehuan Road Campus of the University has been reserved for:

- i. Postgraduate students at the Postgraduate Hall
- ii. All Faculty of Arts students who qualify on the basis of existing criteria,
- iii. DNAM/DHAM/TTTP students, as long as there is no shortage for (ii) above.

Allocation of accommodation to all categories of students mentioned above is on the basis of registered and cleared students for the academic session.

All other categories of students not listed above are to make their own off-campus accommodation arrangements without involving the University in any financial obligation with their landlords.

It must be emphasized "that admission to the University of Benin does not automatically guarantee a student a place in the Halls of Residence of the University.

As usual, students for whom hall accommodation is provided are required to share rooms. They are also required to complete and sign appropriate undertaking. 'Squatters' and illegal lodgers in Halls of Residence will not be tolerated.

The University wishes to advise all students and parents/guardians to ensure that they make proper arrangements for accommodation before the session begins.

Students who may wish to stay in University Hall and Hostels are required to pay approved rates for the session. In addition, all students are to pay for Hostel maintenance, at rates prevailing.

All students offered accommodation In the Halls of Residence are required to bring along with them, their own beddings i.e. mattress, blankets, bed sheets/pillow-cases for their personal use.

Students should please note that they are not bound to accept University accommodation, and consequently the University will not enter into any negotiation with any student with regard to accommodation.

Allocation of accommodation is not transferable from one student to another.

Any unauthorized sleeping and use of the facilities in Halls of Residence, confirmed by the Master or Warden of the Hall concerned, will be punished by the payment of all boarding fees for the semester. This will be without prejudice to any other disciplinary action that may be deemed necessary.

No request for refund of Accommodation fees shall be entertained from students who were not officially offered accommodation in the Halls of Residence.

Students are expected to provide themselves with their own textbooks, stationery and pocket money for each session. Personal Allowance due to sponsored students which may be paid direct to the University, will not be given to the students without a written authority of the sponsor.

Students who, for whatever reasons, live off-campus during any semester should register in the Division of Student Affairs who can identify only registered off-campus students for claims of money, Hall amenities and off-campus University facilities.

Mail is delivered to each Hall once a day, except Saturdays, Sundays and Public Holidays. Students living in Halls are advised always to use the name of their Hall before University of Benin, Benin City, Nigeria, in order to facilitate the handling of their mails in the Central Porters Lodge. Students make their own arrangements for the laundry of their personal clothing.

Hostel Regulations: A Hall of Residence or Hostel is a centre of community life. All Resident Students are expected to contribute their quota to make it a happy home. There are opportunities to render voluntary service, and each Student is required to exercise the greatest discretion and self-discipline in relation to other students, Hall Authorities and staff as well as the general public. The Hall Regulations are intended to promote the well-being and orderly life of the Hall or Hostel.

Closing of University Gates:

Hall/Hostel gates are closed between 12 midnight and 6.00 a. m. each day, including Saturdays and Sundays. All Students must be in residence before the gates are shut. Any extension of these hours shall be at the discretion of the Hall Master/Mistress from whom permission must be obtained.

Exeats

No Student may be away from Hall at night without an exeat. Exit forms must be completed in duplicate and one copy left with the Hall Master/Mistress. Students who have to stay beyond the period specified in the Exeat must notify the Hall Master in writing, stating reasons, through the Hall Warden.

In extreme emergency, the Student must leave with the porter for transmission to the Hall Master, a written statement of his destination, reason for his or her departure and the probable period of his or her absence.

Guests and Visitors

Visitors are allowed in Student's Rooms only between 4:00pm and 8:00pm. On weekdays (Monday - Friday inclusive) and between 12:00noon and 800pm. on Saturdays, Sundays and Public Holidays. Visitors may be entertained in the Common Room of a Hall between 2:0 p. m. and 400pm. on Week Days and between 12;00 noon and 4:00pm. on Saturdays, Sundays and Public Holidays. Visitors must not go direct to the Students' Rooms or to the Common Room but must first enquire at the Porters' Lodge where they must sign the visitors' Book on arrival and fill the time of departure the end of their visit. For the purpose of these rules, male students visiting the women's Hall/Hostel will be regarded as visitors.

The right to occupy a room is not transferable. It is an offence punishable by a fine or exclusion from the Hall/Hostel for any student to accommodate any visitor or unauthorized student in his/her room overnight without permission and making proper entries in the Overnight Log Book. Students are held liable for any careless or willful destruction or damage to University property for which they are responsible.

Surrender of Keys and University Property

At the close of the semester/session, exclusion from Hall/Hostel, or upon the severance of their connection with any part of the work of the University of Benin, students are required to return immediately all Keys and other University property. Failure to do this will carry a penalty.

Approved Hall Functions

The Hal! Master/Mistress must be notified of students' meetings or functions taking place in his/her Hall. Such notification must be given through the Hail Warden who may in his discretion disallow any function. Noisy parties involving dancing and drinking must not go beyond 7.00 p. m. in the Halls of Residence.

Meals

Meals are provided in the Bukateria by caterers appointed by the Campus Welfare Board.

Under no circumstances should any means be cooked in students' rooms. Student who wish to cook are advised to do so in the Kitchenettes provided within the hostels. In case of illness certified by the University Director of Health Services meals will be taken to a student in his/her room by private arrangement.

Noise, Electrical Appliances, Fire and Fire Prevention

In the interest of Hall Residents, noise must be avoided. Wire-less Stereo Sets, and Musical Instruments may be played at any time and in any case not later than 10:00 p.m. each day. These instruments should not, however, be played in such a manner as to cause annoyance or disturbance to others. Any personal electrical appliances such as Fans, Irons and Table Lamps should be properly wired to a 13 amp, 3-pin fused and earthed plug. No appliance may, on any account, be connected to the Lighting Circuit. Students must not tamper with or alter in any way, electrical installations in their rooms or any part of the hall. The installation and use of Cookers, Washing Machines, Toasters, Grills, Immersion Heaters, Refrigerators, Cooking Rings are not permitted in Students' Rooms. All incidents of fire will be investigated by the Campus and Students' Welfare Board and reported to the Vice-Chancellor, Both the National Fire Codes and the University's Regulations will govern the criminal and/or disciplinary action to be taken. Ash receivers/trays must be used when smoking or extinguishing cigarettes. Candles are not normally allowed in Student Rooms when there is no electricity however when students make their own arrangements to buy and use candles, great care must be taken to avoid any possible fire outbreak.

Any Student who is found guilty of disturbing the peace of the Hall by noise- making on more than two occasions shall be required to withdraw from the Hall.

In addition to what has already been stated under the above section, it is necessary to emphasize that students must not bring into students' rooms the following gadgets: Cookers, Washing Machines, Toasters, Grills, Immersion Heaters, Refrigerators, Ring Boilers/Cooking Rings, dryers, and other heavy electrical gadgets. Students who violate this regulation will be severely dealt with.

Pets

For health and sanitary reasons, pets, Animals, Birds, Fish and/or Reptiles are prohibited in and around University Halls of Residence.

Loss of personal property

The University does not accept responsibility for any loss of personal property in the Halls.

Vacation Residence

Halls of Residence are normally used during vacations for conferences and seminars. Therefore, only Clinical, Final Year and Foreign Students may be allowed to stay in Halls of Residence during Christmas and Easter Vacation.

Applications for permission to stay in residence during vacation must be made in the appropriate forms obtainable from the Student Affairs Division and returned to the Division not later than one week before the end of the term, or the period for which accommodation is required.

Except in cases where the cost of vacation residence has been paid with the composite fees, students staying in Halls of Residence during vacation are required to pay rent in advance for the period of their stay. The charge will be as determined by the University.

Students who are permitted to stay in residence must move to the Hall currently assigned for that purpose; The Hostel Rules and Regulations must be observed.

Transfer from One Hall to Another

A student, once allocated to a Hall, is not permitted to transfer to another one except on medical grounds and/or for any other good reasons acceptable to the Dean of Student Affairs. Applications for transfer may be made on the appropriate forms obtainable from the Student Affairs Division.

The University, however, reserves the right to make changes in room assignments, or transfer students from one Hall to another during the session.

Accommodation for Married Students

The University' does not provide accommodation for married Student Couples. Exclusion from Hall

The University reserves the right to exclude any Student from a Hall of Residence or Hostel. Allocation of a place in Half/Hostel shall depend on availability of accommodation, and compliance with rules and regulations governing residence.

STUDENT WORK/STUDY PROGRAMME

One of the lofty innovations of the University of Benin is the work/study programme, which enables students to work and earn legitimate money even as they study. With the harsh economic situation in the country today and its adverse impact on students particularly, this scheme comes at a most appropriate time, and for some students it constitutes a life-saving measure.

The benefits of the programme are numerous but suffice it to mention a few.

- (a) It allows students to be gainfully engaged and appreciate better the dignity of labour.
- (b) It affords ex-cult members to channel youthful energy into positive use,
- (c) It prepares students for the work environment which they eventually graduate into.
- (d) A gainfully employed student will have no time for mischief and is ultimately a productive member of his community.

Avail yourself of this work/study programme and you will be glad you did. The main features of the programme are:

- (1) Students on the programme can work a maximum of three hours a day for a maximum of three days a week.
- (2) Minimum pay is #8,000.00 per month or as determined from time to time.
- (3) Hours of work are flexible and convenient.
- (4) Work is available as: Research Assistants, Library Assistants, Porters, Cleaners, Landscaping Attendants, Security, Laboratory Assistants, Clinic Receptionists, Pre Clinic Lab Demonstrators, Optical Dispensing Attendants, Optical Workshop Attendants, Pond Attendants, Demonstrators, Grounds men, Museum Attendants, Data clerks, Teaching Assistants, etc.
- (5) During long vacations between sessions the student work study programme offers limited vacation job opportunities to identified indigent students.

STUDENTS' CONDUCT AND DISCIPLINE

The University is established primarily to educate the student; cultural development and the inculcation of good character are integral parts of that education. An acceptance of admission offer by a student to University automatically implies that he/she has accepted to abide by the

Rules and Regulations that may from time to time be made for the governance of the University. Such acceptance also carries with it an obligation that the student shall conduct himself/herself as a law-abiding and responsible member of the academic community, in accordance with the University's best standards, Rules and other Conditions established by the legally Constituted Authorities of the University.

Every Student of the University is required to maintain a high standard of personal integrity. Each Student shall conduct himself/herself peaceably in espousing any changes which he/she may consider necessary. The University regards as serious offences any acts of unethical, immoral, dishonest, disloyal, or destructive behaviour, as well as violations of university regulations. It is the responsibility of each student not only to acquaint him/herself with these regulations, but to assist to uphold them at all times.

Although the University is committed to the full support of the legitimate rights of its members, the University has an equal obligation to protect its educational purpose and the interest of its entire Community. For this reason, the University is naturally concerned about the actions of some individuals and groups of individuals which may be in conflict with the welfare and integrity of the University, or in disregard of the rights of other members of the community.

The legitimate expression of differing opinion and concern is an essential part of the academic community; but the imposition of opinions and concerns upon those who, in turn, dissent from them shall not be tolerated.

It is emphasised that all members of the University community including students are subject to the laws of the nation whether within or outside University premises, like all other citizens. They are expected to learn to cope with problems intelligently, reasonably, and with understanding and consideration for the right of others. Each member shall recognize that as he/she prizes rights and freedom for him/herself so also is he/she expected to respect the rights and freedom of others.

The University reserves the right: upon evidence of a Student's failure to abide by its Rules, Code of Conduct and Regulations, to discipline him/her or to require, through the established disciplinary process, his/her withdrawal from the University.

The Disciplinary System

The laws governing the University vest the Vice-Chancellor with the power to discipline students. In practice, there is an Ad Hoc Student Disciplinary Committee with the general function of dealing with individual cases of indiscipline. The Vice-Chancellor has delegated powers to the Dean of Students, Heads of Department, Hall Masters and certain other officers of the University to impose disciplinary measures on students for certain defined misconducts.

Sanctions for Violation of Regulations

The following are some of the disciplinary sanctions that may be imposed for violation of University Regulations or Code of Conduct:

- (a) **Fines:** These must be paid within specified periods to avoid further stringent actions being imposed. On the approval of the Vice-Chancellor, Hall Masters may impose fines for certain categories of misconducts committed in their Halls of Residence.
- (b) **Disciplinary Probation:** Disciplinary probation is a trial period of time during which a student must behave in a manner acceptable to the University. The Ad hoc Disciplinary Committee may impose terms which will restrict the student's participation in extra-curricular and/or other Activities.
- (c) **Loss of Privileges:** Loss of privilege is the withdrawal of a privilege or use of a service or facility (such as Library or Sports) for a specific period of time.
- (d) **Reimbursement:** Reimbursement requires that a student must pay for damage to, loss or misappropriation of University property or the property of other members of the University community. Such reimbursement is charged to any student who alone, or through group concerted activities, organises or knowingly participates in the events which cause damage or loss.
- (e) **Suspension:** Suspension is an action which excludes the student from registration, class attendance, residence in an official University Hall of Residence, and the use of University facilities for a specified period of time. This action means that the student must immediately leave the Campus.
- (f) **Expulsion:** Expulsion is the permanent withdrawal by authority of the Vice Chancellor of students' privileges of registration, class attendance, or residence in an official University Hall of Residence. The privileges of the use of University facilities are also

withdrawn by this sanction. This action means that the student must leave the Campus immediately, and cease henceforth to be a member of the University community.

- (g) Appeal: In disciplinary cases, students concerned have a right of appeal to the Vice-Chancellor and ultimately to the Council against the decision of the Ad Hoc Disciplinary Committee, or any other person.

STUDENT DEMONSTRATIONS, PROTESTS, ETC.

The University recognizes the crucial importance of maintaining open communication and dialogue in the process of identifying and resolving problems which may arise from the dynamics of life in the University. AH members of the University Community are therefore free to examine and discuss all questions of interest to them and to express opinions.

Equally important, however, is the legitimate right of any member of the Community to dissent, to disagree, to hold different opinion, or to think differently from others. This is an integral aspect of University education and academic freedom.

But for academic freedom to be meaningful, the Community must always be protected from attacks by extremists of whatever persuasion, who would negate this essential freedom of inquiry by their coercive and disruptive actions which interfere with the rights and freedom of others.

Students are free to support causes by all orderly means as long as they do not disrupt the regular and essential operations and activities of the University since such disruption would violate the responsible exercise of free enquiry and expression.

Senate Directive on Student protests

It is the directive of Senate that, before any decision of the Students' Union become effective on University-wide issues, such as boycott of lectures, demonstrations, etc., the following procedures must be followed:

- (a) A referendum involving voting by secret ballot;
- (b) At least fifty percent of the membership of the Students Union should participate in such a referendum;
- (c) The referendum should be decided by a simple majority of votes cast;

- (d) The referendum should be under the supervision of the Dean of Student Affairs or his nominee,

Guideline for Demonstrations

The following guidelines are essential for organizers of demonstrations and similar actions to observe. All demonstrations, boycotts, etc; must be peaceful. Demonstrations and their organizers must NOT:

- (a) Force others to join them, or deny other members of the University community, both staff and students, their right not to join a demonstration, a strike and/or such similar actions;
- (b) Disrupt or obstruct the education and other activities of the University including administration, lectures, tutorials and laboratory work;
- (c) Obstruct or restrict free movement of persons on any part of the University Campus;
- (d) Deny the use of offices, classrooms and other facilities to staff and students or guests of the University;
- (e) Endanger the safety of any person or of the University Campus;
- (f) Destroy or damage University or other property.

Procedure

The Senate has laid down the following procedures to be followed by all organizers of strikes and demonstrations. To go on strike, the Vice-Chancellor shall, through the Dean of Student Affairs be:

- a. Informed in writing at least forty-eight hours in advance, about the place, nature, method, date and time of the commencement of the action;
- b. Informed in writing at least forty-eight hours in advance, about the measures taken to ensure that services will not be disrupted;
- c. Assured in writing that there would be no violence against any member of the Community or damage to any University or other property.

It is the responsibility of the organisers of such actions to ensure that these procedures are followed. As long as the general guidelines are observed and as long as there is no threat, actual or potential, to the safety of individuals or damage to property, there should be no need

for the Police or other Law Enforcement Agencies to be invited. It should be borne in mind, however, that the University is part of the larger community, and where Law and Order are threatened, the Public Law Enforcement Agencies have a duty to intervene to assist the University Authorities in resolving the situation.

It is emphasized that there is now a Law in force (DECREE 47 OF 1989) which prescribes trial for students who disrupt normal University activities. On conviction such students could go to jail for three years or pay a N50,000 (fifty thousand naira) fine or both.

THE UNIVERSITY LIBRARY

The University of Benin Library System comprises John Harris Library (The Main Library) and Faculty Libraries. The Library has over 211,000 book volumes in all the disciplines offered in the University as well as other areas of human knowledge. There is also a large collection of pamphlets, non-book materials, microforms, audiovisual materials etc. The library has back-files of 344 journal titles and presently subscribes to 172 titles.

JOHN HARRIS LIBRARY

John Harris Library is situated at Ugbowo Campus along the main drive between the students' complex and the students' Halls of Residence and opposite the new Clinical Students Hostel. This ultra-modern library building is centrally air-conditioned and supported with package unit air-conditioners. There is a stand-by 500KVA electricity generating set which acts as a back-up system to the National Electricity Power Authority (NEPA). There is also the university Central Electricity Plant which generates power when the other two sources of power fail.

John Harris Library building has/three levels namely:

1. The Basement
2. The Ground Floor and
3. The First Floor

The Basement houses the Bindery, the Reprography, the Audiovisual and the archival sections. Staff Canteen is also located here.

The Entrance, the Lobby, the Reference Section, the Circulation Section, the Serials Section, the defunct American Independent Study Centre, the Reader Conveniences, the Workroom (which is 'out of bounds' to readers) as well as the University Librarian's Office and other staff offices are all located at the Ground floor while the main shelving area, Special Collections, the Textbook Collection are on the First floor.

The Main Library building has a sitting capacity for 700 readers at a time and about 60 carrels for Faculty teaching staff and research students.

New Library Extension: The new Library extension building stands imposingly on the left wing of the main library building and linked by a work-way on the first floor. It has a sitting capacity for about three thousand (3,000) readers at a time. It also houses the DONALD PATRIDGE E-LEARNING CENTER donated by the Abubakar Tafawa Balewa Memorial Trust Fund. It is equipped with fifty (50) computers and its own bandwidth. It will be open for twenty four hours for reading and internet browsing. The library has been organized to cater for both under-graduate and post-graduate studies:

- (a) Undergraduate Area: Books on the various disciplines taught in the University are shelved on open access. Reading desks are, also arranged near the shelves to facilitate use of the books. The Textbook Collection unit has been reorganized to house current books. It is on closed access. However access to the resources is through the normal way of consulting books on reserve. Multiple copies of books are purchased and at least one copy is placed in this unit.
- (b) Research Area: This consists of:
 - I. Serials section where current journals and back-files are shelved and
 - ii. Special Collection - a collection of rare books, theses, dissertations, official documents of Federal and State Governments as well as publications of International Organizations such as UNO, WHO, ECA, AU, World Bank etc.
 - iii. Textbook Collection

It is pertinent to add that computerization of the Library is on-going. The computerization which began in the year 2,000 uses the Strategic Library Automation and Management (SLAM) software. Developed by Global Software Technologies Ltd. Benin City, SLAM 2,000 series, an oracle based database, is Integrated Library Management Software with provision for all aspects of library operations. It has seven modules - Administration,

Acquisition, Cataloguing and Classification, Circulation, Patron Management, Serials and OPAC. The special collection module is currently being developed to cater for cataloguing special documents. With SLAM the Library has successfully converted over 90% of her records. Users now have the opportunity to search the library on line through the (OPAC) Online Public Access Catalogue. The OPAC Module allows you to search the library using keywords search terms in the following fields-Author, Title, Subject and Journal Title. Any field that is keyword indexed can be searched in this module. With the ongoing local Area Network, it will be possible for lecturers to access the library collection from the confine of their offices without coming to the library.

MTN UNIVERSITIES CONNECT LIBRARY, UNIVERSITY OF BENIN

The MTN Universities Connect Library, University of Benin has a world- class e-library; it provides access to students and lecture for research with vital information to excel. The e-library contains 128 networked computers, 3 servers, 2 high capacity printers, one sound proof 100KVA generator, VSAT equipment and internet connectivity, it is linked to world-class digital Libraries across the world; with access to electronic books, journals and magazines in various subject areas.

DEPARTMENTS

The Library is divided into six (6) departments. Each department has a sub-section headed by a Professional Librarian. The departments are as follows:

1. Administration
2. Readers Services
3. Technical
4. Bindery/Reprography
5. ICT
6. Audio-visual

FACULTY LIBRARIES

The University has embarked on the establishment of Faculty Libraries to bring reading materials nearer to the students. Thus far, thirteen faculty libraries are functional. These are:

1. Ekehuan Road Campus Library mainly for Fine and Applied Arts and Institute of Public Administration and Extension Services.

2. College of Medical Sub-Library
3. Faculty of Law Library
4. Faculty of Pharmacy Library
5. Faculty of Agriculture Library
6. Faculty of Education Library
7. Faculty of Engineering Library
8. School of Basic Medical Sciences Library
9. Faculty of Physical Sciences Library
10. Faculty of Management Sciences Library
11. Faculty of Life Sciences Library
12. Faculty of Social Sciences Library
13. CERHI library

These Faculty Libraries are located in their various Faculty buildings providing reading and photocopying services. All the faculty libraries have been networked with 15 internet point each for Internet access.

HOURS OF OPENING

The Library hours for readers are as follows:

Semester:	Monday	-	Friday 8.00a.m. - 10.00pm
	Saturday	-	8.00a.m. - 3.30p.m.
	Sunday	-	12.00noon -6.00p.m.
Vacation:	Monday	-	Friday 800a.m. - 3.30p.m.
Branch Library	Monday	-	Friday 8.00a.m. -600p.m.

Library is closed on Public Holidays unless there is a prior notice to the contrary.

REGISTRATION

All members of the university as may be defined in the statutes; all members of the academic, administrative and senior technical staff; such other persons as may be determined by the Library Committee or the University Librarian acting on its behalf are eligible to register.

Vacation: Main Library

Monday - Friday: 8:00am -8.00p.m.

Saturday Closed, Sunday Closed

The Library is closed on Public Holidays unless there is a prior notice to the contrary.

ADMISSION TO THE LIBRARY:

No person may make use of the University Library unless he/she has signed an undertaking to observe library rules and regulations, and has been issued with a reader's ticket. This ticket must be shown to any official of the Library on demand, who may prohibit entry to anyone unable to produce it. Registration must be renewed at the beginning of each academic year. Library tickets are not transferable.

The following are eligible to be registered as readers in the University of Benin Library with the privilege of borrowing books, subject to the regulations on behalf of it.

Members of the junior staff may not borrow books directly but loans can be made in special cases on the undertaking of their Head of section who will take responsibility for them.

The following may be admitted to University Library for purposes of study and reference but without the privilege of borrowing:

- (a) All registered members of the Alumni Association of the University of Benin
- (b) Such other persons as may be admitted by the University Librarian on a temporary basis,

Library I.D Card

You require a current valid library ID. card to check-out materials from the John Harris Library. The management strongly recommend against loaning your I, D. card or your library materials to others. All financial responsibility for library materials will be charged to the library account of the person whose name is used to borrow library materials.

If your library I.D. card is lost or stolen, please notify the circulation desk. The cost of replacing a lost I.D. card is free, but you will require a sworn affidavit and a police extract to establish the authenticity of your claim. If you suspect theft please contact the police, the library and the Uniben security.

BORROWING

Staff and students at the University of Benin and other users with borrowing entitlement as soon as they are registered in the library and obtain a library ticket are able to borrow as follows;

Senior Staff (Academic and Non-academic) at the University of Benin - up to 10 books for 4 weeks and up to 3 months on special requests.

Post graduate and undergraduates at the University - 4 books up to 2 weeks.

For every book borrowed for use outside the Library, a book card must be signed and handed in at the Circulation desk. The books shall then be stamped with the date due for return. The reader signing for the book is responsible for its custody and return. All transactions must be made in person. Books in the Reference Section, Textbook Collection, books marked "RESERVED", "NOT FOR LOAN" OR "FOR REFERENCE ONLY" may not be removed from the Library. Books in Special Collections e.g. official documents, old, rare, valuable or irreplaceable works may only be borrowed with the express permission of the University Librarian and then only in exceptional cases.

Journals may not be removed from the library except by special permission for a period not exceeding three days. Serials stacks which contain back issues of journals are not on open access except to members of the academic staff.

Students are restricted to four volumes on loan at anyone time and the senior staff to ten volumes. Penalties will be imposed for overdue, lost or damaged books according to the following scale:

- (a) Overdue books: N5.00 per day up to a maximum of 30 days; thereafter N50.00 per week or part of a week. All loan privileges may be suspended after 30 days.
- (b) Any book specially recalled by the University librarian will attract a fine of N100.00 per day after the third day from the date of receipt of such notice.
- (c) Books lost will be paid for at the prevailing cost of replacement or estimated value of the book to which will be 'added an administrative charge of 50% of the book cost. Readers must report cases of missing books promptly to stop the mounting of daily fines. All loan privileges will be suspended until fines or charges are paid.
- (d) Estimated cost of repair will be charged for damaged books.
- (e) Reference ITC Book returned after 24 hours attract N50.00 penalty

- (f) Short Loan N100.00 penalty or part of a day for 1 and 2 nights.

Period of Loan

The normal period of loan is 14 days. Provided that no other reader requires the books a loan may be renewed for a further period of 14 days after which it must be returned to the shelves. Long-term loan not exceeding 3 months may be arranged for the academic staff on request.

Return of Books

All books on loan to undergraduate students must be returned on or before the last Monday of the last week of the Semester, or within 3 days of date of recall. All books on loan must be returned before the long vacation for annual stocktaking.

Renewal:

You can renew book you have borrowed as long as they are not reserved by other users or are not overdue.

Reservation:

You can reserve items that are out on loan by contacting a member of staff at the circulation desk. Books should normally be returned to the circulation desk where they were borrowed. This ensures that books are taken off your record properly and back for circulation. If you have any course to travel out of town before a book is due renew it.

Vacation Loans

Senior staff of the University may borrow during the long vacation. This facility may be extended to Postgraduate Students with Special permission.

USE OF CARRELS:

Sixty Carrels are available in the main Library, and may be allocated to academic staff on application to the Reference Librarian for a maximum period of one semester at a time.

Postgraduate students with proven needs may be considered for allocation provided that such allocations shall not exceed 20 carrels.

REPROGRAPHIC AND BINDERYSECTION:

All persons eligible for the Library facilities may avail themselves of the services of the Reprographic and Bindery sections of the University Library at such charges as shall from time to time be determined by the Library Committee.

CLEARANCE CERTIFICATE:

All readers leaving the University for good must obtain clearance certificates from the University Librarian before they can claim their entitlements from either the Bursary or Registry.

LIBRARY DISCIPLINE AND SECURITY:

Silence must be observed in and around the Library.

Brief cases, bags, waterproofs, umbrellas, etc may not be brought into the library but if brought into the Library they must be left in the place provided at the owners' risk.

Mobile phone (GSM) and laptop are allowed into the library except phone chargers. However student are advised to put their phones on silent. No reader may enter any part of the Library marked 'Private' or reserved for staff unless by permission.

There shall be no smoking in the library.

The use of any form of naked light e.g candles are strictly prohibited in the Library. Food may not be taken into the library.

No book may be marked, defaced, or damaged in any way. Readers are held responsible for any damage to books in their charge.

All persons leaving the Library must show books or papers in their possession to the Library Security Official and subject themselves for search when requested.

ELECTRONIC RESOURCES

CLOSED ACCESS

Databases in this category require a "Username" and "Password" for access. However, to have access to the username and password of any of the databases in this category, users are expected to make their request at the reference Desk.

Databases in this category include:

AGORA

Username: **ag-nga033**

Password: **4T55XD3B**

EBSCO host

User ID: **ns013944**

Password: **Hwuvx8atELRSmLm2qtwz**

HINARI

Username: **NIEO52**

Password: **06FE243**

National Universities Commission Virtual Library

Username: **Benin**

Password: **Uniben**

OARE

Username: **NIE504**

Password: **91761**

HIGHWIRE

URL: <http://highwire.stanford.edu/lists/devecom.dtl>

This is a consortium of Scholarly Societies, University Presses, and Publishers, partnering to create an online collection of fully searchable.

Research and clinical literature, free for developing economies

BIOMED CENTRAL

URL: <http://www.Biomed.central.com>.

This site is an open access to peer reviewed journals devoted to biomedical research. Contains over 140 open access journals covering all areas of biology and medicine, and 143 peer-reviewed research journals. Anyone is free to copy, distribute and display the work, make derivative works, and make commercial use of the work under certain conditions.

BMJ Publishing Group

URL: <http://www.bmjjournals.com/Subscriptions/.shtml>. This site hosted by the British Medical Journals Group provides, free access to the electronic version of its 23 specialist medical journals to developing countries

Endocrine Connection

Endocrine Connections is a major new Open Access journal, jointly owned by two prestigious not-for-profit societies, the European Society of Endocrinology and Society for Endocrinology. Endocrine Connections publishes original quality research in all areas of endocrinology, with a focus on papers that have relevance to its related and intersecting disciplines and the wider biomedical community. Endocrine Connections is an Open Access journal, which means that all published articles are made freely available online to everyone..

URL:<http://www.endocrineconnections.com/site/misc/For-libraries.xhtml>>

OPEN ACCESS

Databases in this category DO NOT require any "Username" or "Password" for access, as access is open to users.

Databases in this category include:

African Law Library

BMJ Publishing Group

Digital Library for Earth System Education

e-Journals.org

E-prints in Physics, Mathematics, Computer

Science and Quantitative Biology Search Engine

Gutenberg Library Online

Highwire

Library of Congress Magazine

Linguistics Library Online

MIT Online Course Materials

National Academies Press Databases

Online Digital Library services

Social Science Research Network

IP ACCESS

Databases in this category can be accessed ONLY through the University of Benin network, because they are "tied" to the University of Benin IP Address.

Databases in this category include:

ALP Scitation Databases

Biomed Central

BioOne

DMJ 100 (Duke Mathematical Journal)

eGranary

IMFelbirary

JSTOR

LexisNexis Databases

Science Direct Spie Digital Library TEEAL

OTHER RESOURCES

Google Search

Online Encyclopedia services

Online Library Service

Online Reference for Business services

Reference Wiki Databases

SaveYourWork

YoureBooks

To know more about each of the above-listed databases, visit the following link

<http://library.uniben.edu/electronic-resources/>.

You can keep track with updates from the library by linking or following the library on any of the following social media:

Facebook- {Page)-<https://www.facebook.com/library.uniben.edu/>((Group)-<https://www.facebook.com/groups/john.harris.library.uniben/>

Twitter: (Page)-<https://twitter.com/jhluniben> (Handle) -@jhluniben

Google+: <https://plus.google.com/u/0/106941673200219862552>

For further information contact:

The University Librarian or

Mr. A. R. Garuba

Mobile: 08023395366

e-mail- ramqarb@yahoo.com; ramqarb@uniben.edu

***Note: FoT Password Hinari, Agora and Oare, please contact Mr. A. R.**

GARUBA

ACTIVITIES INVOLVING GUESTS FROM OUTSIDE THE UNIVERSITY

In coping with the University's traditional commitment to freedom of enquiry and the pursuit of truth, student organisations are allowed to organise activities featuring guest speakers of their choice from within and outside the University. However, the University has an obligation to ensure that activities on the campus are conducted in appropriate manner with requisite protocol. Where a Head of State, Governor, Commissioner, Head of Diplomatic Mission, or other very important personalities from outside the University are invited, the Dean of Student Affairs must be informed at least two weeks before the guest is expected to arrive on the campus.

This is to enable the Student Affairs Division to co-ordinate the activity with other scheduled events at the University, and inform the Vice- Chancellor or other appropriate University authority where necessary, and avoid unnecessary duplication and competition for audience, and/or for use of University facilities.

CHANGE OF NAME

- a. A Student can change his name by swearing to an affidavit and making the necessary publication in any of the National Newspapers. An original page of the Newspaper showing the name of the Newspaper, the Page and Date of Advertisement should be attached to the letter of request for change of name.
- b. In addition to (a) above, a student must also provide an acceptable reason changing his name.
- c. Female students can change their names on getting married after providing the necessary documents relating to the marriage. There should also produce a Newspaper Publication of the marriage.
- d. In his/her stay in this University, a student is permitted to change his/her name once only and in the manner described above.
- e. No final year student will be allowed to change name after Senate has approved the examination results for that session.

- f. Frivolity in the change of name is not encouraged. Any student found in such a circumstance will not only have the request for change of name Rejected, but may face appropriate disciplinary action.
- g All applications for change of name should be addressed to the Registrar (Examinations and Records) and until a request has been accepted, circulated to all officers concerned in the University and the student gets an approval in writing from the Examinations and Records Office, he/she is not allowed to use the new name.
- h. Applications for change of names should not be copied to the Deans/Directors. The Examinations and Records Office informs them after an application for change of name has been fully processed.

CAMPUS WELFARE BOARD

There is a Campus Welfare Board saddled with the following responsibilities among others:

Intra Campus Shuttle Services

Bukateria and Canteen Services

Allocation of all commercial services both in Ugbowo Campus and Ekehuan Road Campus

UNIBEN INTRA-CAMPUS SHUTTLE SERVICES

The smooth running of intra-campus shuttles within campus vicinity is ensured through different routes of shuttle operation. But for easier movements on campus, students are expected to make use of their route guide.

Taking off from the Main Gate, there are route indicators to guide and direct your movement within the campus. Buses and cars line up according to the routes they ply. The route guides are pasted on each vehicle anywhere within the campus.

Buses and cars are expected to line up in an orderly manner and wait in turns to convey passengers to their various destinations. Vehicles are allocated into nine routes which are as follows:

- 1 Ekosodin - Law- Hall IV-JSQ -Anatomy gate - Ekosodin
- 2 Main gate-JSQ-Hall IV-Main gate
- 3 Ekosodin - Education - Hall I -Anatomy gate - Ekosodin.
- 4 Main gate - Science - Engineering - Main gate
- 5 Main gate - Dentistry - Main gate

- 6 Main gate - Block of Flats - Main gate
- 7 Main gate - Hall I - Education - Main gate
- 8 Main gate - Ekosodin - Main gate
- 9 Anatomy - Science - Engineering - Staff School - Auditorium - Anatomy

BUS STOPS

The bus-stops are located at specific intervals on the routes within the campus. There are about twenty (20) bus-stops. The bus-stops are where buses and cars must stop to carry passengers. Any car or bus found dropping passengers at places other than the authorised bus-stops is liable to some sanctions and penalties.

The recommended and approved fare is from main gate to faculty W30.00, from faculty to main gate is N30.00 per stop. Cab drop is N100.00 anywhere on Campus. The UNIBEN student shuttle services operate two routes in town.

Route A: Maingate to New Benin (to and fro) N50.00

Route B: Main gate to Ringroad (to and fro) N50.00.

Route C: Main gate to Ekehuan Road Campus (to and fro) N70.00.

Students are advised not to compel the drivers to stop in any unauthorized places. They should also ensure that they pay their fares as good citizens.

*Note that these rates are subject to change after due negotiations among all stakeholders.

BUKATERIA AND CANTEEN SERVICES

The Bukateria and Canteen complexes are located on a tarred road behind Queen Idia Hall and Junior Staff Quarters, leading to the College of Medical Sciences Complex opposite the Halls of Residence.

COMMERCIAL SERVICES

There are three Ultra-Modern shopping complexes located at different strategic places on Ugbowo Campus and one at Ekehuan Road Campus.

The complexes are numbered alphabetically:

- Shopping Complex 'A' is behind Faculty of Social Sciences

- Shopping Complex "B, "C", & "D" are located within the June 12 Secretariat.
- Shopping Complex E & F are located at Students Centre building (Basement)
- New Shopping Complex located at the car part by main gate
- New Shopping Complex located behind the Mosque by Agric farm Road
- At Ekehuan Road Campus, the Shopping Complex is located near the

University Press and Theatre Arts dance studio.

The following services are available at the Shopping Complexes: Photocopying and computer services, Supermarkets, Saloon and barbing saloons, Sales of cooked and raw food items etc.

The co-ordination and the monitoring of all the services rendered by the committee on business centres and rentals is serviced by Student Affairs Division.

GENERAL INFORMATION

BICYCLES AND MOTOR VEHICLES

The use of Motor-Cycles, Motor Bikes, Motor Scooters, etc. on any part of the University Campus is banned. All student motorcars must be registered with the Maintenance Works and Transport Department and with the Student Affairs Division.

ACCIDENT PREVENTION

- (a) As a precaution against accidents, all Motorists and Cyclists are reminded to obey all Traffic signs and other Traffic Regulations on and off the Campus.
- (b) It is an offence to ride in the dark without prominent lamps and rear reflectors.

PARKING

There are places specifically authorised for vehicles to park within the University premises. Vehicles are required to pay N50.00 for a parking space. Vehicles with Staff/Students identification stickers on their cars are exempted from paying N50.00. However, the university assumes no responsibility, and any vehicle parked on the authorised parking space on any part of the campus is entirely at the risk of the owner.

VACATION EMPLOYMENT

Vacation jobs are offered to students by Governments, Public Corporations and Private Companies. Most of these institutions inform the Careers Officer of their vacancies and

needs, and such information is usually passed on from time to time through the Guidance and Counseling Section of the Student Affairs Division. Students are advised as much as possible to make individual arrangements by themselves to secure vacation jobs.

RELIGIOUS WORSHIP

Although the University of Benin is a Public Non-Sectarian Institution, Facilities have been provided for Members of the Community to observe their Religious Faith. The general responsibility for Campus Religious programmes lies with the various religious groups.

There are a number of independent Student-Directed Religious Organisations in the University which carry out Inter-Faith Programmes and Activities. These include the Student Christian Movement (S.C.M.) an interdenominational organization, the Nigeria Federation of Catholic Students (NFCS) and the Muslim Students Society (M.S.S.) Information concerning membership of these organisations may be obtained from their current officers.

UNIVERSITY HEALTH SERVICES

The University Health Service targets the:

- Promotion of positive health and vitality.
- Prevention of infectious and non-infectious disease as well as injuries.
- Organisation and provision of curative services viz - diagnosis and treatment of illness - in students, staff and their dependents

The department has a team of dedicated and energetic medical and paramedical staff who are well experienced in student health care delivery.

Out patient services are rendered in the two clinics located at Ugbowo and Ekehuan Road Campuses, respectively. Other services available include laboratory and environment health. In-patients (admission) facility exists in Ugbowo (sick bay) where patients can be admitted and treated. A 24-hour ambulance service is available. All cases that cannot be treated by the department are referred to UBTH. Every attempt has been made to make the service student friendly. The department offers a daily 24 hour service as follows:

800a.m. -800p.m. - routine consultation and emergencies

8.00p.m.-8,00a.m.-emergencies only

Weekends and public holidays Emergencies

It is mandatory for all students granted admission into the University to do a medical examination after which they are duly registered with the department, so that they can avail themselves of the free medical service offered by the university.

Counseling services are available for students who need to discuss their problems. All cases are treated with the strictest confidentiality.

General Regulations

- (i) Each Student is required, upon admission to register with the Health Centre and to submit to the Director of the University Health Services a record of a Medical examination performed by a Physician. A Proforma is sent to him in advance of his acceptance by the University for completion. This includes a Chest X-Ray. All Students should submit two passport size photographs to the Director of Health Services together with their Medical Forms.
- (ii) Students are advised to disclose their Medical condition at the beginning of the session. If an unsatisfactory medical condition is discovered later, the Students may be denied registration at the beginning of the following semester.
- (iii) A Student in whom any remediable defects are noted is required to follow the guidance of the University Health Services in pursuing a course which will correct his/her remediable defects.
- (iv) The Director of the University Health Services may advise the Vice-Chancellor to ask a Student to withdraw from the University on grounds of illness. In such a case the Student may be readmitted on the advice of the Director of University Health Services who may recommend Special Conditions for his/her readmission,
- (v) Consultant Service and Hospital Care are available when necessary at the University of Benin Teaching Hospital (UBTH) on referral through the University Health Services. Consultant Services are also available at the Central Hospital and Uselu Neuro-Psychiatric Hospital both located in Benin City.
- (vi) Difficulties or complaints arising from service at the Health Centre should be reported to the Director of the University Health Services.
- (vii) The Medical Certificate on any sick Student should be received in the Academic Office within twenty-four hours after the Student took ill. Any Medical Certificates not received within the specified period will not be entertained.

UNIVERSITY OF BENIN TEACHING HOSPITAL

Students who cannot be treated with the available Medical Facilities at University Health Centre are required to obtain a Referral Letter from the Medical Director to University Teaching Hospital as an Out-Patient. As an out-Patient, the fees are minimal and Students are required to pay cash at the UBTH for any treatment received. The Student may apply through the Dean of Students/Director of Health Services for a refund of money spent as outpatients. In the case of sick In-Patient Students, Director of Health Services must confirm that the Health Services cannot handle such a case and subsequently refers the student to UBTH. On admission the Dean of Students must confirm that the patient is a bona fide Student of the University, the Student then collects a Credit Facility form from the Dean of Students which enables the Student to be treated at UBTH and subsequently bills are forwarded to the University Authorities for settlements.

PROCEDURE FOR USE OF UNIVERSITY FACILITIES

Those entitled to use University Facilities must adhere to the following procedure:

- (i) The University Facilities list should be used to determine the most suitable location for the event.
- (ii) A tentative reservation should be made, subject to the approval of the Dean of Students. Inquire regarding availability of space with the appropriate reservation clerk.
- (iii) Secure a Request form from the Student Affairs Division.
- (iv) Complete the Request form and return it to the Student Affairs Division,
Requests will be considered on Wednesdays throughout the regular school year.
- (v) Advertising must not begin until after the Dean's approval. Because scheduling difficulties occasionally arise, the Dean must be consulted prior to such commitments as advertising, final contract negotiations, and other irreversible pledges.
- (vi) A representative of the sponsoring organisation is urged to contact the Dean of Student Affairs who is designated by the Vice-Chancellor to consider applications. The person(s) should have knowledge of such matters as anticipated attendance, methods by which losses will be absorbed, accounting for any income derived, use of profit, contract negotiations and alternatives to the requested date, time and location. Unanswered questions which may arise at the meeting of the Dean of Student Affairs

and the representatives of the organisation can postpone Final consideration of a request, and may jeopardise plans for an event.

- (vii) In most cases, a decision is made after consultation with the appropriate Arm of the University after submission of the request. The representative of the sponsoring organisation will be notified of the decision. Subsequently, written notice of the decision will be transmitted by mail to the organisation and to the appropriate facilities co-ordinator. The Reservation Clerk will regard this written notice as a confirmation of the tentative reservation. For the University Sports Complex and the Banquet Hall of the Students' Centre, the requesting party must confirm all details directly with the Director of Sports and the Public Relations Officer (VCO), respectively, promptly upon receiving the Dean's approval.

UNIVERSITY FACILITIES

NAME	LOCATIO N	CAPACITY	FACULTY/DEPARTMENT
Auditorium	Ugbowo	2,000	VC's office
Assembly Hall	Ekehuan	300	VC's office
Science L. Th.	Ugbowo	500	Faculty of Science
Science L. Th.	Ugbowo	218	Faculty of Science
LawLTh. 1,2,3	Ugbowo	200	Faculty of Law
Engineering Th.	Ugbowo	300	Faulty of Engineering
Arts & Soc. Sc.	Ugbowo	500	Fac. of Arts & Soc. Scs.
Education	Ekehuan	100	Faculty of Education
Student's Centre Banq. Hall	Ugbowo	150	V.C. Office
Sports Complex	Ugbowo	5000	Director of Sports
Student's Centre	Ugbowo	450	Dean of Students
Students Centre Basement	Ugbowo	200	Dean of Students
Students Centre (East Wing)	Ugbowo	250	Dean of Students.

CERHI PROGRAM STRUCTURE/ TEACHING AND ASEESSMENT METHODS

The following applies to all CERHI programs.

Academic Calendar

TIMELINE FOR 2019/2020 SESSION

SN	DATES	ACTIVITIES
1	14/05/20	Resumption of students and Orientation Programme
2	15/05-25/08/2020	First semester lectures Begin (15 weeks)
3	27/08-31/08/2020	Revision/ Reading Week
4	3/09-15/09/2020	First semester Examination
5	17/09-29/09/2020	Holiday
6	02/10-11/01/2020	Semester Lectures Resumes (15 Weeks)
7	14-18/01/2021	Revision and Reading Week
8	21/01-4/02/2021	Second Semester Examination
9	06/02/2021	Holiday

2019/2020 SESSION

Submission of Thesis and External Defence

208/2019 Session

SN	Dates	Activities
1	07/02/2021-28/02/2021	Holiday
2	01/03-31/03/2021	Internship
3	01/04-08/04/2021	Presentation of reports from Internship
4	01/05-05/05/2021	Seminar Presentation
5	01/06-05/06/2021	Proposal Defence
6	June-September	Field Work
7	03/10-17/10/2021	Post field defence
8	December 2021	Submission of Thesis
9	January-February	External defence

Timetable

Lecture timetables are released at least two weeks before the first day of lectures. For large classes, the different streams shall be allocated the same slot on the timetable and the streams taught in parallel classes running at different venues

Training Methods

A blended approach involving several innovative learning and instructional strategies are deployed in the Centre of Excellence in order to achieve the learning objectives of each modules. The specific strategies applicable to each module as stated in the description of the

module are based on the needs to enhance students' participation based on recognised learning styles.

- Didactic lectures
- Tutorials and Discussions
- Group activities
- Seminars
- Field visits to places of public health importance including health-related institutions and industries
- Competency-based learning and reflection
- Community-based field training - Health surveys involving households, under-fives, primary school, and secondary school in both rural and urban communities; outbreak investigation, job setting – real situations or through simulations
- Research project
- Practical – both public health-related and computer training
- Self-directed learning.

Attendance and Class Participation

Class attendance is expected and necessary for successful completion of this course. Reading the textbooks, PowerPoint presentations and Blackboard posted readings is not a substitute for attending class.

Student Evaluation

Students will be evaluated based on class attendance, participation in discussions, and timely completion of the following assignments.

1. Class participation is worth 10% of your grade. Because this class only meets once per week, full attendance is crucial. If you are ill or have an unavoidable reason to miss class, please contact the instructor ahead of time. This part of your grade requires active participation in discussions, including leading discussions, asking thought provoking questions, doing your own between-class research on the topic in addition to assigned readings, and respectful, thoughtful interaction with colleagues.
2. A Continuous assessment. This comprises of various quizzes and presentations that will taken and made at various times in the duration of the course. These quizzes and presentations will comprise 30% of the final grade.
3. Examination: A final examination will be conducted at the completion of the course which will make up 60% of the final class grade.

Grading

Grades assigned are letter grades (A, B, C, and D), following University procedures (see below).

Final Grade	Final Percent	Value Interpretation	Points
A	70% - 100%	Excellent	5
B	60%-69%	Very good	4
C	50% to 59 %	Pass	3
D	0-49%	Fail	0

Note that in the graduate curriculum a grade of D may require a student to repeat a course.

Consequences of Academic Honesty Violation

Copying or plagiarism will result in a 0 for assigned work and possibly more serious consequences, such as an earned failure for the course and potential expulsion from the program or school. Failure to attend > 50% of classes and provide expected deliverables may result in an unearned failure.

Final Examination with Data Analysis				
Criterion (weight)	Unacceptable (0-5)	Acceptable (5-8)	Excellent (9-10)	Points (Score x weight)
Lecture and reading material covered in class. (50%)	Incorrect or incomplete responses to basic short answer and short essay questions on exam	Able to respond to definitions and shows basic understanding of major topics, but is not able to integrate responses in a way that shows mastery of the material.	Responds correctly and fully to both short answer and short essay questions; shows mastery of material and the ability to fully integrate course lectures and readings into a complete understanding of the topics. Responses are well-written and grammatically correct..	
Data analysis exercise (50%)	Unable to conduct and present basic descriptive and bivariate analyses as required; low or incomplete understanding of the data and low or incomplete ability to find gaps in the data or understand data	Able to conduct and display basic descriptive and bivariate data analyses in appropriate tables and charts, but does not go beyond displays to show full understanding of the data or how it might be used to test a new	Complete and clear analyses and tables/charts showing descriptive and bivariate analyses; understanding of data management issues related to missing data, etc.; shows understanding of the data as a complete picture and able to use that understanding to	

	management issues. Poor writing and/or grammar, spelling, or editing errors.	hypothesis. Poor writing and/or grammar, spelling, or editing errors.	form a hypothesis of reproductive health interest. Responses are well-written and grammatically correct.	
Total score				

Group Project Assessment Rubric				
Criterion (weight)	Unacceptable (0-5)	Acceptable (5-8)	Excellent (9-10)	Points (Score x weight)
Appropriate topic and understanding of the topic (25%)	Topic is not relevant or tangentially relevant or does not demonstrate global scope; group does not understand the public health relevance of the topic or why it is important.	Relevant topic and recognizes the global or regional relevance of the public health problem(s) and is able to demonstrate why the topic is relevant, but does not present adequate data or arguments to fully convince the audience.	Excellent topic with global/regional public health/population relevance. Demonstrable and full understanding of why the problem is important using available data sources and literature.	
Health and Development literature (25%)	Literature is relevant but either covers too broad a range, is not well-integrated, or is inadequate in scope or missing key resources.	Identifies the major sources, shows scope and method of literature review, and is able to integrate the literature to show a direction.	Excellent overview of the literature; able to distinguish important contributions and fully able to integrate materials.	
Identification of unanswered research questions and sources of data (25%)	Unable to discern gaps in the literature or unanswered questions, or describes gaps that have actually been filled by literature they did not identify.	Able to demonstrate a few essential gaps in the literature but not able to adequately turn these gaps into thoughtful, relevant research questions.	Identifies major gaps in the literature that are relevant to global public health and demonstrates an understanding of how these gaps might lead to research questions.	
Presentation Quality	Poor quality visual aids; errors in	Intermediate quality, with some errors in	High quality visual aids; no errors in	

(25%)	visual aids; no citations on visual aids; lack of professionalism.	visuals aids, not all reference based materials cited, adequate but not excellent professionalism.	spelling, punctuation; appropriate citations for all referenced based materials; professional appearance and demeanor.	
Total score				

Other Policies

Expected Student Effort Out of Class

Students are expected to spend an average at least 2-1/2 hours per week per credit hour on the course exclusive of class time. This time includes but is not limited to reading, research, preparations for class, team or group meetings (electronic or otherwise), and course deliverables.

Grievances

A student who has grievances regarding the course should seek to have the matter resolved through informal discussion and through administrative channels, such as the course director, departmental programme coordinator, head of department, and dean for student affairs. If the issue remains unresolved, the student may file a formal grievance at the students' affairs' office.

Academic Honesty

Students are required to comply with the academic honesty policies of the university and School of Public Health and Information Sciences. These policies prohibit plagiarism, cheating, and other violations of academic honesty.

Course instructors use a range of strategies (including plagiarism-prevention software provided by the university) to compare student works with private and public information resources in order to identify possible plagiarism and academic dishonesty. Comparisons of student works require students to submit electronic copies of their final works to the plagiarism-prevention service. The service delivers the works to instructors along with originality reports detailing the presence or lack of possible problems. The service retains copies of final works and may request students' permission to share copies with other universities for the sole and limited purpose of plagiarism prevention and detection.

In addition instructors provide the opportunity for students to submit preliminary drafts of their works to the service to receive reports of possible problems. Such reports are available only to the submitting student. Copies of preliminary drafts are not retained by the service.

Policy on Sexual Misconduct

Title IX/Clery Act Notification

Sexual misconduct (sexual harassment, sexual assault, and sexual/dating/domestic violence) and sex discrimination are violations of University policies. Anyone experiencing sexual misconduct and/or sex discrimination has the right to obtain confidential support from the Guidance and Counselling Centre. The help-lines are 08106422713 and 08156828319 and University Health Services on 08055619250.

Reporting your experience or incident to any other University employee (**including, but not limited to, professors and instructors**) is an official, non-confidential report to the University. **To file an official report, please contact the Dean of Student's Office 08033839154.**

Also see CERHI Sexual Harassment Policy on the website; <https://www.cerhiuniben.edu.ng/wp-content/uploads/2020/07/CERHI-SEXUAL-HARRASMENT-POLICY.pdf>

Other regulations of examination

In accordance with the Statement of Academic Policy of the University herein stated in this Regulation, the following terms shall mean

- I Invigilators: These are those who conduct examinations.
- ii Supervisor: This is the most senior lecturer among the Invigilators
- iii Examiners: These are the course lecturers.
- iv Examination Officers(s): The examination officer(s) oversee(s) the conduct of all examinations in the Department and upload(s) Senate approved results on the University portal.

- The examination timetable shall be released at least three weeks before the scheduled date of the start of examinations. Scheduled times and dates for examinations must be adhered to. If it is found necessary to reschedule an examination, this must be with the permission of the Academic Coordinator and Centre Leader.
- Examiners should ensure that the question papers are prepared under conditions of maximum security and are ready on time. For all examinations, well-packaged question papers must be accompanied by a list of Supervisors, Invigilators and the relevant forms. The Examiners should ensure that the question papers, adequately packaged and sealed, are submitted to the Supervisor, at least, one hour before the start of the examination.
- Subject only to administrative supervision by the office of the Centre Leader, the conduct of course examinations shall be the responsibility of the Course or Programme Coordinator.
- For each examination, there should be a Supervisor and enough Invigilators, including both male and female Invigilators.
- It is the responsibility of the academic coordinator to appoint Supervisors and Invigilators. The list should be forwarded to the Centre Leader not later than one week

before the examinations. Students should be seated according to their registration numbers, and they should be invigilated by academic staff from the Centre.

- Supervisors should be appointed from the rank of Senior Lecturer, and above and Invigilators should be other members of academic staff. Part-time teachers, where necessary, are also regarded as Examiners.
- Supervisors must identify and check students into the examination hall using the authenticated register of students for that course. The student must show the invigilator his/her registration/identity card on entry to every examination. He/she must leave this on the desk throughout the examination for easy inspection by the invigilator.
- All examination scripts used by the students must be endorsed by the Supervisor at least 30 minutes after the commencement of the examination.
- The Invigilator must ensure that no student removes from the examination venue any paper or other examination material except the printed question papers where it is allowed. Answer booklets are the property of the University and must not be in the possession of students.
- During examination, the security department should beef up security especially around the examination Centre to ensure that those not involved in the examination are not allowed to loiter around the examination halls.
- No unregistered student is authorized to take any examination.
- A student should be in the examination room at least 30 minutes before the start of the examination. A student who is up to 30 minutes late shall be admitted but shall not be given any extra time. A student who arrives more than 30 minutes after the start of the examination shall not be admitted. A student may be allowed to leave the examination room temporarily before the end of the examination, but must NOT:
 - do so during the first hour of the examination except in cases of emergency like illness;
 - do so unaccompanied OR with his/her scripts.
- Students must write their names, registration numbers and sign the attendance register within the first hour of the examination.
- Students must write their registration numbers (not name) at the appropriate places on the cover and pages of the answer booklet.
- No student shall bring in any handbag, mobile phone, briefcase, books, notebooks, or papers etc. into the examination hall.
- No student shall directly or indirectly give or accept any assistance during an examination.
- Students shall stop writing at the end of the allotted time for an examination at the instruction of the Supervisor or Invigilator(s).
- Anybody who disrupts an on-going examination shall face appropriate disciplinary action.
- At the end of the examination, the Supervisor/Invigilator shall ensure that the answer scripts are checked, properly packaged, and returned along with relevant forms to the Examiner.
- A member of staff who fails to turn up for invigilation shall be queried for this act in the first instance. If this is repeated during another period of examination, the member of staff will lose the next promotion and be warned in writing by the Vice-Chancellor.
- The Centre Leader shall report any defaulting Invigilator to the Provost/Dean, whose responsibility it is to forward the report to the Vice-Chancellor.
- These examination regulations apply to all students studying for the award of University of Benin Degree, Certificate and Diploma.

Code of conduct during Examination

1. It is the responsibility of each individual student intending to take any university examination to ascertain the date, time and the venue of the examination as indicated in the examination timetable. Candidates must present themselves at the examination venue thirty (30) minutes to the scheduled time of commencement of the examination.
2. Candidates will not be admitted to examination hall after the examination has been in progress for thirty (30) minutes. Candidates will not also be allowed to leave the examination hall during the first thirty (30) minutes and the last fifteen (15) minutes of an examination.
3. Candidates will not be permitted to start an examination until formally instructed to do so by the Examiner/Invigilator in-charge of the examination.
4. Candidates wishing to leave the examination hall must obtain the express permission of the examiner/invigilator before doing so. Any candidate permitted to leave an examination hall temporarily must hand over his/her question paper(s) and answer script(s) to the examiner/invigilator and must be accompanied by the examiner/invigilator or a person appointed by the examiner/invigilator.
5. Candidates may take printed materials or manuscripts into an examination hall when it has been previously announced in the examination timetable and when it is stated in the instructions to the question paper that such materials may be used.
6. All briefcases and other materials not associated with the examination must be deposited at a designated place. Candidates will however, be allowed to use their own mathematical instruments/tables and such other aids for drawing as the examination/invigilators may permit.
7. The use of mobile phone, electronic programmable calculator, information storage devices calculator instruction manuals, textbooks, atlases, lecture notebooks, etc shall not be allowed in the examination halls.
8. Candidates must sit at the desk assigned to them by the invigilator. The university administration will not condone any swapping of seats by candidates.
9. It is compulsory for candidates to sign the examination attendance register when the examiners/invigilators present to them during the examination
10. Candidature must ensure that their answer scripts are handed over to the examiner/invigilator before leaving the examination hall
11. Smoking, chewing of gums and the consumption of food and drinks are not permitted during the examination
12. All questions in written examination must be answered in simple English unless instructions on the question paper indicate otherwise
13. It is an academic offence punishable by expulsion from the university for any candidate(s) to prevent other candidate(s) from taking scheduled university examinations or cause obstruction to examination processes.
14. Any candidate unable to sit for an examination on account of illness duly certified by a medical authority approved by the University's Director of Medical Services may be allowed to take the examination at the next period as first attempt. The affected candidate shall notify the Dean, School of Graduate Studies through the Centre Leader of this fact and shall submit a valid medical certificate to be authenticated by the Director of Medical Services.

Documentations related to examination

At the commencement of examination

The following materials should be made available

1. The answer sheets
2. The question papers
3. The course evaluation form
4. The student attendance sheet which should be signed by all students present for the examination
5. The invigilators' attendance sheets should be signed by all invigilators (academic and non-teaching) present during the examination
6. Incident sheet for examination misconduct

Immediately after the examination

1. The answer sheets should be counted by at least two invigilators who must sign to authenticate the number of scripts on the envelop meant for each question.
2. The course evaluation forms should also be counted and packed in a separate envelop
3. A copy of the question paper, the students' attendance sheet, the invigilators' attendance sheet, the completed course evaluation forms, filled incident sheet for examination misconduct (if any) should be sent to the Centre leader through the secretariat staff present during the examination

Two weeks after examination

The marked scripts, marking scheme and result should be handed over to the programme coordinator by the course coordinator. Lecturers and coordinators who have submitted their marked scripts, marking scheme and results would be paid all entitlements immediately.

Four weeks after examination

The programme coordinator sends the marked scripts, marking scheme and results to the Centre leader.

Documents kept in the Centre's record each course

1. Question paper
2. Marking scheme
3. Result
4. Signed attendance sheet by students
5. Signed attendance sheet by supervisors
6. Completed course evaluation forms
7. Completed examination misconduct incident form

Regulations, Procedures and other elements of the Programme

Submission of course work/assignment and presentations of seminars

The ability to present material lucidly is an increasingly important skill which must be acquired by professionals including our trainees. Consequently, course members are given opportunities to improve their communication skills during the course by being involved individually or in groups in presentations.

Where seminars on various topics or presentation of surveys and visits are done, written reports of such seminars shall be submitted in bound form to the department. The APA style of referencing (<http://www.apastyle.org/>) shall be used for all academic submission including the FINAL THESIS. All submissions for assessment shall be done online and shall pass through the anti-plagiarism test of the Centre.

A penalty is applicable for late handing in of assignments which is equivalent to a 5% reduction per working day of delay. The penalty is subtracted from the final total mark of that assignment.

Course paper/assignment can be submitted individually or collected by the course representative before the deadline and submitted to the course instructor. Where it becomes difficult to get the course instructor, they can be dropped with the secretary in the departmental office. Please note that the date of submission in this case is taken as when it is dropped with any responsible officer of the programme.

Assessment planning procedures

All concluded modules are examined in accordance with the university's practice. The date, venue and structure of the final examination for each module shall be included in the course schedule sent to students at least two weeks before the commencement of the module. The examination questions are prepared by the responsible instructors at the end of the various courses. Invigilation of final examination shall be arranged by the programme coordinating unit. It is pertinent to note that the date and venue for examination can be adjusted with the consent of both the instructors and students.

Dissertation

The candidate must design and execute an acceptable original project in any area related to his/her discipline under supervision of academic staff and in some cases additional supervision from industry/sector expert. The project would commence during the first year of the programme for PhD students. The details of the preparation, submission and examination of thesis in the Centre are contained in the Centre's Guide to Dissertation.

Seminar

Postgraduate students are expected to prepare and present some seminars in the course of their training. Some of these seminars are related to the educational components of the candidates' thesis/dissertation and are presented before the entire faculty and students in the Centre.

Instructions for the seminar

Students are to note the following salient information with respect to the seminar:

- Drop two loose copies of the work (in words) with the Centre's Academic Coordinator and send a copy by email to info@cerhi.uniben.edu not later than two weeks to the date fixed for the presentation
- Venue and date for the presentation will be sent to all the candidates along with other useful information on the seminar about two weeks to the date of the seminar.
- Students are to confirm their eligibility for participation in a seminar or report any change in their circumstance to the respective programme coordinator at least 4 days to the date of the seminar.
- Presentations shall be by power points and shall last for maximum of **15 minutes** while the subsequent discussions shall last for a maximum of **20 minutes**
- For group presentations, all members of the group may not necessarily be part of the presentation but must be involved in the subsequent discourse.
- Discussions would be based on the broad areas related to the subject being presented
- Candidates are to report to the venue of the presentation in formal dressing at least one hour to the time and ensure that all logistics and technical aspects of the presentations have been sorted.

Seminar scoring

Scores would be assigned as detailed below

- Internal assessors scores
- Participating assessors scores

While the scores of the internal assessors may be based on the technical considerations (structure and content) before the presentation, the participating assessors' scores may include considerations to actual presentation and discussion

Research governance

Research forms part of the training of all postgraduate students in the University of Benin. As such, all master's and PhD students are expected to undertake an independent, original research in various areas of study. They are also expected to publish, present aspects of the findings of their research in local and international conferences and before graduate, defend the report before a Board of Examiners.

See web link to the 'Policy Guidelines for Writing Research Proposal and Thesis';

<https://www.cerhiuniben.edu.ng/wp-content/uploads/2020/07/POLICY-GUIDELINES-FOR-WRITING-RESEARCH.pdf>

DEPARTMENT OF COMMUNITY HEALTH
SCHOOL OF MEDICINE
COLLEGE OF MEDICAL SCIENCES

CURRICULUM FOR THE AWARD OF

MASTER OF PUBLIC HEALTH
IN

REPRODUCTIVE AND FAMILY HEALTH

UNIVERSITY OF BENIN
BENIN CITY

A. PREAMBLE/HISTORICAL BACKGROUND OF THE PROGRAMME

For about three decades, the Department of Community Health has been conducting surveys and interventions in urban and rural communities largely in the current Edo State. Many of these programmes have focused on Reproductive and Family Health at household level and school levels. These programmes are conducted as parts of undergraduate and postgraduate training curricula, including theses, in University of Benin (MBBS; MPH) and University of Benin Teaching Hospital (National and West African Postgraduate Medical Colleges). The programme efforts have largely focussed contributing to reduction of maternal and childhood deaths in Nigeria. The MPH and Fellowship programmes have been the mainstay of the Reproductive and Family Health training at postgraduate level. The increasing human resource gaps in top-level expertise in the subspecialties of Public Health have long opened up the need for multiple masters' programmes in Public Health. This has led to the conception of the Master of Public Health in Reproductive and Family Health and the Doctor of Philosophy in Public Health (Reproductive and Family Health) programmes. The emergence of the Centre of Excellence in Reproductive Health Research and Innovations (CERHRI) provided the trigger to develop these programmes.

PHILOSOPHY OF THE PROGRAMME

The underlying philosophy of the programme has the following components.

1. Preventable morbidities and mortalities related to reproductive and family health continue to constitute great burdens on societies and families in developing countries, especially Nigeria. In particular, maternal and child deaths are extremely high in Nigeria and have been shown to be the most distinguishing features between developed and developing countries.

2. Efforts to correct this challenge have not only been insufficient but have been largely lacking in technical content that integrates the underlying social-cultural, economic, political and medical factors.
3. While maternal and child morbidities and mortalities often receive separate disciplinary attention, they have been widely shown to be closely linked in terms of their underlying social-cultural, economic and political determinants. These determinants and their resulting maternal and child morbidities and mortalities are closely interwoven with and deeply rooted in family life. Reproductive health interventions and training therefore deserve separate and integrated approaches in the context of family life.
4. The programme was developed based on the conviction that an integrated public health approach, led by human resources with high-level technical skills and competence, is a major and desirable contribution to the significant reduction of morbidities and mortalities related to reproductive and family health, especially maternal and child deaths.
5. The programme recognises reproductive and family health as a multidisciplinary subject with a minimum definition that includes those provided by the World Health Organisation (WHO) and the International Conference on Population and Development Programme of Action (ICPD POA). A definition of reproductive and family health should include a state of complete physical, mental and social well-being and not merely the absence of disease or infirmity of the reproductive system and the family; it is a constellation of methods, techniques and services that contribute to reproductive and family wellbeing, which includes sexual health, designed to enhance the quality of life and personal relations.

B. AIM OF THE PROGRAMME

The overall aim of the programme is to develop human resources with high-level technical skills and competence to provide and lead integrated preventive and promotive public health interventions in reproductive and family health.

OBJECTIVES

The following are the objectives of the programme.

1. To provide training that incorporates the historic, sociocultural, economic, political and conflict-related contexts that impact on the health of women, children and families.
2. To provide training that covers, but not limited to, family planning, infertility, safe motherhood, reproductive tract infections, gender-based violence, genital tract cancers and human sexuality and responsible parenthood.
3. To build capacity for applying general public health approaches in addressing reproductive health challenges.
4. To incorporate best practices in teaching, learning and research in reproductive and family health in line with the objectives and programmes of CERHRI.

LEARNING OUTCOMES

Upon completion of the MPH in Reproductive and Family Health training programme, graduates are expected to be able to:

1. Identify the causes and effects of major health problems that occur during pregnancy, infancy, childhood and adolescence.
2. Assess the health care needs of women and children.

3. Integrate the understanding of life course with multiple determinants of health in developing solutions to reproductive and family health challenges.
4. Conduct research related to the health and well-being of families, especially women and children.
5. Demonstrate the ability to provide scientific, including epidemiological, evidence as basis for developing reproductive and family health programmes.
6. Manage (plan, implement and evaluate) sexual, reproductive and family health programmes in diverse settings.
7. Head teams and organisations involved in reproductive and family health programmes.

ADMISSION REQUIREMENTS

The following two requirements must be met

1. A first degree in a health-related science, not below 2nd Class.
2. A certificate of completion of or exemption from the National Youth Service Corps. (Foreign students are exempted from this requirement).

A qualification in a field related to reproductive and family health may be an advantage.

Applicants may be required to sit for a qualifying entrance examination.

PROGRAMME DURATION

The programme will run in two forms – a 12-month full-time programme and an option of a 24-month part-time programme. The components of the programme are coursework (including a practicum) and dissertation/thesis. The coursework and synopses are described in additional sections below. The proposal for the dissertation/thesis is expected to be completed by the end of the first

semester of the programme. The programme components and durations are outlined in Table 1.

Both full-time and part-time students admitted in the same session shall run the coursework simultaneously in the first session (12 months). The full-time students are required to complete their dissertations within the 12-month duration of their programme, along with their coursework. The part-time students are required to complete their dissertations in the second session of their 24-month programme during which they may redo the courses failed in or carried over from the previous session.

Table 1: Structure and duration of the programme

Components	Duration				Credit Units
	Part-time		Full-time		
	Semesters	Months	Semesters	Months	
Coursework and Field Practicum	2	12	2	12	36
Dissertation/thesis	2	12			4
Total	4	24	2	12	40
Maximum	8	48	4	24	-

CONDITIONS FOR GRADUATION

To graduate, candidates must pass all of the following.

- A written examination for each course at the end of the respective semesters.
A written examination is not required for the practicum which will be scored as described in the appropriate section below.
- An oral defence for the completed dissertation/thesis, in line with Postgraduate School guidelines.

CONDITIONS FOR REPEAT AND WITHDRAWAL

A student who fails a course in any year must re-register for the course in the following year, if eligible.

A **full-time** student who fails to meet any of the following conditions shall be required to withdraw from the programme:

- a. A minimum of 10 credits at the end of the first semester of the programme.
- b. A minimum of 20 credits at the end of the second semester of the first year of the programme.
- c. Completion of the programme in a maximum of 24 months (4 semesters).

A **part-time** student who fails to meet any of the following conditions shall be required to withdraw from the programme:

- a. A minimum of 10 credits at the end of the first year of the programme.
- b. A minimum of 20 credits at the end of the second year of the programme.
- c. Completion of the programme in a maximum 48 months (8 semesters).

EVALUATION AND GRADING PROCEDURE

The evaluation and grading shall be done using the following scale (Table 2). A student must score a minimum of 50% (C grade) to pass a course. The course assessment will be based on 30% continuous assessment and 70% examination.

Table 2: Evaluation and Grading

Alphabetical Grade	Percentage	Value interpretation	Points
A	70 – 100	Excellent	5
B	60 – 69	Very Good	4
C	50 – 59	Pass	3
D	0 – 49	Fail	0

COURSEWORK

The coursework lasts for two semesters. The details are shown in Tables 3 and 4.

Table 3: First Semester

Course Code	Course Title	L	T	P	CU
MRH 811	Family Structure and Functions; Geriatrics	2	0	0	2
MRH 812	Maternal Morbidity and Mortality; Selected Morbidities of Women	2	0	0	2
MRH 813	Child Morbidity and Mortality; Selected Morbidities of Children	2	0	0	2
MRH 814	Health Services and Control Programmes in Reproductive and Family Health	2	0	0	2
MPH 812	Biostatistics	2	0	0	2
MPH 813	General Epidemiology	2	0	0	2
MPH 816	Health Promotion, Health Education and Social Mobilisation	2	0	0	2
MPH 817	Quantitative and Qualitative Research Methods; Research Ethics	2	0	0	2
MPH 818	Demography	2	0	0	2
<i>Elective courses (one required)</i>					
MPH 815	Primary Health Care	2	0	0	2
MPH 831	Health Informatics and Computers in Public Health Practice	2	0	0	2
MPH 832	Health and Development; Health Project Management	2	0	0	2
TOTAL					20

Table 4: Second Semester

Course Code	Course Title	L	T	P	CU
MRH 821	Human Sexuality	2	0	0	2

MRH 822	Adolescent Reproductive Health; School Health	2	0	0	2
MRH 823	Gender Equity and Equality; Men's Health	2	0	0	2
MRH 824	Legislations, Conventions, Policies and Ethics Related to Reproductive and Family Health	2	0	0	2
MRH 825	Field practicum	0	0	2	2
MPH 825	Public Health Nutrition	2	0	0	2
MPH 827	Health Economics	2	0	0	2
MPH 828	Health Policy, Planning and Management	2	0	0	2
MRH 899	Dissertation/thesis	0	0	4	4
TOTAL					20
GRAND TOTAL = 40 CREDIT UNITS					

COURSE SYNOPSES

MRH 811: Family Structure and Functions; Geriatrics

This course exposes students to the structures and functions of families, including the differences across cultures; types of marriages; divorce and remarriage; types of families; evolving trends in types of marriages and family settings; roles of women, men, and children; adoption and fostering; family income and expenditure; power structure and dynamics, including decision-making, in the home; cultural factors and practices related to sex, reproduction and the family; bereavement. The course will also include theoretical and practical components of responsible parenthood.

Geriatrics in this course covers definitions of the elderly, the aged etc; ageing and life course; planning for ageing; family and community roles of the elderly; the elderly and African cultures; problems of the elderly – physical, psychological, social, psychiatric, economic, etc. Care of the elderly will cover the public health aspects of domiciliary care of the elderly; hospital care of the elderly; management of geriatric health services; old peoples' homes; social welfare services for the elderly; health workers working with family members to

provide domiciliary and hospital-based care; control programmes targeted at the elderly; care of the dying elderly.

MRH 812: Maternal Morbidity and Mortality; Selected Morbidities of Women

This course addresses the application of epidemiological, clinical and social principles to maternal health, morbidity and mortality, including their rates/ratios. It covers physical, biological, social, cultural, economic, behavioural, health-system-related and other determinants of maternal health and maternal death, in vertical and integrated terms; household, community, multidisciplinary, multisectoral, intergovernmental and international approaches to the reduction of maternal deaths; underage pregnancy; phases of delay model as an example of a model for studying the determinants of maternal death; safe motherhood initiative. Male involvement in reproductive health: fewness of male methods of family planning; male involvement in reduction of maternal morbidity and deaths in different settings – contraception, pregnancy, delivery, breastfeeding, child care, etc; inter-partner communication on sexual, reproductive and family health; barriers and solutions to male involvement. Women in conflict situations will be addressed in local and global contexts. Other topics include maternal health and millennium development goals in developing countries, including Nigeria.

Epidemiology and control of the following will also be covered – sexually transmitted infections, spontaneous and induced abortions; pelvic inflammatory disease, cancers affecting women e.g. ca cervix and ca breast; obstetric fistulae; female genital cutting.

MRH 813: Child Morbidity and Mortality; Selected Morbidities of Children

This course addresses the health of children and the application of epidemiological principles to newborn, infant and child morbidity and mortality including their rates/ratios. It focuses on the physical, biological, social, cultural, economic, behavioural, health-system-related and other determinants of newborn, infant and child death, in vertical and integrated terms. This understanding will be used as a framework for studying household, community, multidisciplinary, multisectoral, intergovernmental and international approaches to the reduction of child deaths. Examples of specific topics to be covered include the healthy child (social, mental, physical, etc); common childhood morbidities; causes of childhood mortality; prevention and control of child morbidity and mortality; children in conflict situations in local and global contexts; child health and millennium development goals in developing countries, including Nigeria.

Epidemiology and control of the following will be covered – neonatal sepsis, malaria, tuberculosis, lower respiratory tract infections, sickle cell disease, malnutrition (covered in a separate course) diarrhoeal diseases, vaccine-preventable diseases, congenital heart diseases, Down's syndrome, skin infections, etc.

MRH 814: Health Services and Control Programmes in Reproductive and Family Health

This course provides an overview of health services in reproductive and family health. It further provides learning in the following categories of care – preconception, antenatal, delivery, postnatal, neonatal, child, post-abortion, etc; infertility and intervention options, including assisted reproduction; individual strategies in “child survival strategies”; the public health aspects of these services will be highlighted; key services (e.g. emergency obstetric care) to reduce maternal deaths.

The course also covers reviews and critiques of historical and contemporary control programmes in reproductive and family health and provides an opportunity for students to learn skills to develop control programmes in reproductive and family health. Under supervision, students are required to go through the archives of local (state), national and international institutions and other sources to identify current and past control programmes. Maternal Newborn and Child Health Week, Midwives Service Scheme and sterile disposable delivery pack ('mama's kit') will be reviewed.

Community-level and urban-rural disparity in reproductive and family health services will be highlighted.

MPH 812: Biostatistics

This course deals with numeracy in medicine and health care, including vital, descriptive and analytic statistics.

Descriptive statistics covers types of data – quantitative/qualitative, ungrouped/grouped and discrete/continuous; scales of measurement and their implications for statistical methodologies; methods of data presentation – numerical and diagrammatic; measures of central tendency (location) – arithmetic and geometric means, median, mode; measures of dispersion – range, variance, standard deviation, coefficient of variation; measures of partition – quartiles, deciles and percentiles; types of distribution – uniform, binomial, normal, skewed, log-normal, Poisson; application of normal distribution to the screening of individuals; sources of health data including their strengths and weaknesses.

Analytic statistics covers probability theory and rules and their applications; the standard normal curve – its description, equation and; sampling methods – probability and non-probability methods; statistical inferences; the null and alternative hypotheses; sampling errors; hypothesis testing; statistical errors in tests of significance; parametric and non-parametric tests; level of significance

and level of confidence; point estimates – (e.g. p values, odds ratios, relative risks) and interval estimates (e.g. confidence intervals); the standard normal curve; standard error of the mean and standard error of proportion; Z distribution and Z tests for the difference between means and the difference between proportions; t-tests; chi-squared tests for the difference between proportions, the goodness-of-fit test and McNemar test; analysis of variance (ANOVA); Wilcoxon signed rank sum test for paired data; Mann-Whitney U test for unpaired data; Kolmogorov-Smirnov two-sample test; power and sample size estimations; standardisation of rates; risk estimation; correlation; linear and logistic regression analyses; survival analysis, including the construction of a Kaplan-Meier estimate of survival function that describes the ‘survival experience’ of a cohort of subjects; interpretation of the results of a log-rank test in the context of comparing the ‘survival experience’ of multiple cohorts; use and abuse of statistical methods in biomedical literature.

MPH 813: General Epidemiology

General epidemiology in this course is aimed at guiding the student into the knowledge of epidemiological principles as a framework for understanding their uses and applications to health-related states, especially the control and prevention of diseases and injuries. It covers in details the study of the frequency, distribution, determinants and deterrents of diseases and health-related states in human populations and the application of these in disease control and to promote, protect and restore wellbeing. Examples of specific topics covered in this respect include the definition, scope, uses and achievements of epidemiology; measurements in epidemiology (epidemiologic methods) – counts, proportions, percentages, rates, ratios; disease distribution; morbidity and mortality statistics; biologic determinants of disease (epidemiological triad) – agent, transmission and host; other determinants (behavioural, social, economic, political, legal,

environmental, occupational, etc); methods of disease control and the establishment of control programmes; investigation and control of epidemics; disease prevention – levels and strategies; disease screening – definition, types and criteria; validity (sensitivity, specificity, positive and negative predictive values) and accuracy of screening tests; surveillance and response (notification); descriptive, analytical and experimental epidemiology; epidemiological study designs – observational and experimental, and their subtypes; potential errors in epidemiological studies – random and systematic errors; confounding; concept of causation in epidemiology – sufficient and necessary causes, single and multiple causes, causal factors, interaction, hierarchy of causes; criteria for establishing causation – causal inference as elaborations of Bradford Hill’s criteria; inductive and deductive reasoning; epidemiological transition.

MPH 815: Primary Health Care

This course examines the history and development of primary health care (PHC), including the Alma Ata Declaration. It covers the history, philosophy, development and scope of PHC; components of PHC – international and national (Nigeria); principles of PHC – equity, appropriate technology, community mobilisation, community participation, intersectoral collaboration, self-reliance, etc. It also addresses the stages and processes involved in establishing and re-establishing a PHC system; PHC health services and health facilities; integrated health services; ward minimum health package; human resources in PHC – training, roles and responsibilities; management of PHC at all levels; the Medical Officer of Health (PHC Coordinator); Bamako initiative; PHC and the National Health Policy of Nigeria; referral services; PHC implementation in Nigeria – strengths, weaknesses, opportunities and threats.

MPH 816: Health Promotion, Health Education and Social Mobilisation

This course deals with the nature, scope and methods of health promotion including health education. Health promotion addresses the empowerment of the total population to take control of their health and improve it. The course covers health promotion actions/strategies – building healthy public policy, creating supportive environments, strengthening community actions, development of personal skills and reorientation of health services; Ottawa Charter for Health Promotion; National Health Promotion Policy.

Health education in this course covers the definition of health education and the evolution of contemporary terminologies in health education – behaviour change communication, behaviour change intervention, and information, education and communication, etc; individual, group and mass health education methods, including social networks; audiovisual media and technology in health care; counselling – strategies, techniques, micro-skills and stages, and qualities and attributes of a good counsellor; theories and models of communication and behaviour change; the health communication process; knowledge, attitude and practice; management of health education programmes; HIV counselling and testing.

The course also covers group development and group dynamics; community theories; community development; social mobilisation; community mobilisation and community participation; communication strategies for social mobilisation; social marketing strategies; advocacy.

MPH 817: Quantitative and Qualitative Research Methods; Research Ethics

This course is designed to improve the students' ability to carry out research. Topics to be covered include development of proposals; types of research investigations; general and specific purposes of research; the research process; research problem/research question; objectives; review of relevant literature; study design; sample size and power; sampling methods; data

management – collection, collation, presentation, analysis; reporting results; discussion/ interpretation of results; conclusion and recommendation; report writing.

This course also covers qualitative research methods, such as focus group discussions; key informant interviews; in-depth interviews; free listing interviews; participant observation (ethnographic) methods; mystery client trials; the Delphi technique; reporting and analysing results in qualitative research; mixed methods.

Research ethics themes covered include definition and classification of ethics; introduction to foundation theories – value ethics, virtue ethics, deontologism, utilitarianism, principlism; protection of research participants including case studies e.g. Nazi experiments/Nuremberg Code, Tuskegee studies, Trovan[®] trial in Nigeria; standard of care and HIV/AIDS research; ethical issues in Ebola Virus Disease epidemic and treatment – ‘Zmapp’, nano silver, etc; principlism – respect for autonomy, beneficence, non-maleficence, justice; requirements for ethical research; research protocols; research integrity; National Code of Health Research Ethics; international research; international codes of research ethics; ethical review of research proposals.

Proposal writing skills will also be taught.

MPH 819: Demography

Demography in this course introduces students to the structure, size and dynamics in populations as a basic science for understanding public health. Areas covered include censuses; vital statistics; structure, size and changes in populations (population dynamics – births, deaths, migration) including their measurements and determinants; sources and uses of demographic data; life expectancies; population theory; population pyramids; demographic transition; dependency ratios; population projection; policy implications of demographic profiles; replacement ratios; life tables; population and health; population policies.

MPH 831: Health Informatics and Computers in Public Health Practice

The aim of the course is to guide students to the knowledge of sources and importance of health information; basic data processing; components of data/information management cycle (collection, collation, analysis, presentation, interpretation, etc); disease surveillance and notification locally, nationally and internationally, including integrated disease surveillance and response in Nigeria; modern technology in health informatics – eHealth, including mHealth; internet sources of health information for service and research.

The course also includes introduction to computers; computer applications in medicine, including public health – diagnostic and therapeutic clinical practice, biostatistics and research; problems and prospects of computers in public health practice; management system for health information in Nigeria and the relevant policies; electronic, including internet, databases for health services management and research; ethical issues in managing databases; the role of computerised decision support systems.

MPH 832: Health and Development; Health Project Management

Health and development in this course aims at guiding students into the knowledge and understanding of health as a component of development at personal, family/household, community, national and global levels; sustainable development; the interdependence between health and development. It addresses the social, infrastructural, political, cultural, and economic determinants of health and how they link through biological determinants; the vicious cycle of poverty, ignorance and disease; development indices and health indices, including the concordance and discordance between them; vulnerabilities experienced by poor communities in developing countries and how they interconnect to impair health; primary health care and development; components in, and derivable health

benefits of, national and state development plans and budgets; community development and the roles of community development committees in primary health care; millennium development goals; inter-sectoral collaboration, etc.

Health project management in this course guides the student to the planning, implementation and evaluation stages of a health project. It covers health project planning: formulation, health and environmental impact assessment, situation analysis, problem analysis, setting objectives and targets, ranking priorities, constraint analysis, developing and selecting strategies, specifying resources, programming, writing the project proposal. Health project implementation includes project initiation, specifying and scheduling tasks, clarification of authority, responsibility and relationships, obtaining resources and establishing the directing and control system; resource management, record keeping, monitoring, supervision, process evaluation. Project termination includes future steps to be taken (e.g. maintenance) balancing accounts and final report writing and submission.

MRH 821: Human Sexuality

This course provides the knowledge base for normal human sexual experience and for dealing with the complex sexuality-related problems in human societies, especially Nigeria. Main themes covered include anatomical and physiological bases of human sexuality; human (foetal, childhood, adolescent, adulthood and later life) sexual development; the historical, contemporary, cultural, social, psychological religious and biological perspectives of human sexuality and sex; psychoanalytic theories of sexual development; sexual orientation; gender identity; sexual, gender and reproductive rights; virginity and sexual debut; human sexual response; the sexual act; sexual dysfunctions; sexual decision making and gender; consensual sex; commercial sex; cultural perspectives of sex; gender-based violence; sexual harassment and sexual

violence; defilement and rape; gender violence in conflict situations; the media and sex; sex education including sex counselling.

MRH 822: Adolescent Reproductive Health; School Health

This course targets adolescence as a transition stage when young people experience changes in their sexual development and are vulnerable to harm. It also targets this group in their school setting. Themes covered include defining adolescence; puberty; cognitive and emotional maturation of adolescents; sexual and reproductive health problems of adolescents; sociocultural perspectives of adolescence; peer influence; adolescent pregnancy and delivery; adolescent marriage; adolescent sexual and reproductive health services (e.g. family planning and post-abortion care), including availability and accessibility; adolescent reproductive health and life skills; history and development of school health globally and in Nigeria; school health programme – environment, services and education; the role of school guidance and counselling services in adolescent sexual and reproductive health.

MRH 823: Gender Equity and Equality; Men's Health

This course addresses the wide range of issues on gender inequity and inequality, including the challenges and opportunities associated with involvement of males in sexual, reproductive and family health. Themes covered include sex and gender; defining gender equity and gender equality; gender roles and stereotypes; men's and women's roles at home and in communities; child sex preference; cultural perspectives of masculinity; response to male dominance – alternative approaches; gender inequality, including male dominance, in diverse settings – education, access to capital, business, politics etc; the girl child; gender

mainstreaming in health and development; gender and millennium development goals.

Men's health in this course deals with the major health issues that confront men. It addresses high risk behaviours and roles of men; disorders of the male reproductive system including disorders of the prostate, testis, penis; prevention of ca prostate; erectile dysfunction; male infertility; male family planning methods; andropause; health services targeting men's health.

MRH 824: Legislations, Conventions, Policies and Ethics Related to Reproductive and Family Health

This course covers the regulatory environment in which sexual, reproductive and family health operates and the ethical issues involved in the subject. Focus is directed at introduction to law, policies and conventions; legal meanings and implications of defilement, rape, induced abortion/foeticide, marriage, divorce; the duty of care; tort applied to sexual, reproductive and family health; sexual, reproductive and family health and human rights; Nigerian health policies related to sexual, reproductive and family health.

This course further examines ethical issues in sexual, reproductive and family health. It addresses foundation theories in ethics; ethical issues and analyses of rape, defilement, induced abortion, sterilisation, infertility, 'impotence', etc; ethical dilemmas (e.g., induced abortion of pregnancy resulting from rape when the victim is anti-abortion); ethics of routine reproductive and family health practice (reference will be made to relevant codes of ethics in Nigeria); concept of standard of care; ethical issues in misattributed paternity and maternity, assisted reproduction, cloning, genetics; using alternative conflict resolution methods to resolve ethical and legal conflicts.

MRH 825: Field Practicum

The practicum is a 12-week supervised practice-based learning in an institution approved by the Department of Community Health as having sufficient sexual, reproductive and family health functions and activities sufficient in standard and magnitude for a master's degree practicum. Alternatively, an institution may be thus approved if its setting permits an innovative and beneficial introduction of sexual, reproductive and family health services and activities by a candidate adjudged to possess sufficient skills, experience, competence and resources to do so. The practicum comes up during the second semester of the first year of the programme for all students. Part-time students may defer their practicum to the second year of the programme. The practicum will be scored by an assigned supervisor, guided by valid log-book records and a satisfactorily written report.

MPH 825: Public Health Nutrition

This course is designed to expose students to the study of food and nutrition at public health level. Themes covered include definition and classification of nutrients; food security and nutrition security; global food security and climate change; classification of nutrients; recommended dietary allowances; food sources and common dietary patterns; infant feeding practices; breastfeeding; National Breastfeeding Policy and Baby Friendly Hospital Initiative; factors affecting food and nutrition – cultural, educational, economic, medical, political, geographical, etc; assessment of nutritional status of individuals, households and populations; nutrition and infection; organisation of food and nutrition programmes; local and international organisations involved in food and nutrition programmes; roles of different levels of government in nutrition promotion; global food crises – causes and consequences; food and nutrition in disaster situations; macronutrient and micronutrient deficiencies – types, causes, global and local patterns, complications and management;

nutritional syndromes of public health importance; food fortification; nutrition and chronic diseases; diets in the aetiology and management of diseases.

MPH 827: Health Economics

Basic concepts in economics; unique features of health and the health industry in the context of economics, e.g. inelasticity of demand; interrelationships between health, healthcare and the economy; economic and social determinants of health; poverty and health; willingness to pay and willingness to enrol for health services; choice of health services; healthcare financing including health insurance with highlights on local, regional and global trends; National Health Insurance Scheme; financial resource management and cost recovery systems; economic evaluation of health services and programmes including cost-benefit analyses; allocation of resources to health in national, state and local government budgets; economics of health systems development; millennium development goals; health needs assessment; cost analysis in health care; essentials of budgeting; book keeping and accounting; research methods in health economics.

MPH 828: Health Policy, Planning and Management

This course examines the policy process, planning, implementation and evaluation as applicable to health services and the health sector. It covers the historical evolution of health policy in Nigeria; theories and models of public policy; modern concepts and elements of management; levels of management; stages of management – planning, implementation and evaluation; fundamental management functions; the management environment; planning cycle, and the health planning process; health human resource planning and development;

implementation – organising, staffing, leading and controlling; human resource management; monitoring and evaluation during and after planning and implementation; indicators in health evaluation; quality management in healthcare (total quality management); SWOT analysis and SWOT matrix; organisation of health services – assessment of needs and resources, inputs, processes, outputs; levels of health care and their roles; referral system; National Health Policy of Nigeria.

MRH 899: Dissertation

Every student is expected to conduct a dissertation in any area of interest in reproductive and family health.

ACADEMIC STAFF LIST*

S/ N	Name	Qualifications	Status	Specialisation/ Teaching Areas**
<i>In the department</i>				
1.	Prof O H Okojie***	MBBS (Lagos), FMCPH, FWACP	Profess or	Epid, OH, EH, RFH
2.	Prof V A Wagbatsoma***	AIMLT, FIMLT, MSc, PhD (Benin)	Profess or	Parasitology, Epid
3.	Prof E C Isah***	MBBS (Benin), MSc, FMCPH, FWACP	Profess or	Epid, EH, OH
4.	Prof A N Ofili***	MBBS (Ibadan), FWACP, FMCPH	Profess or	OH, EH, Dem, HM, Epid
5.	Dr J C Chiwuzie	MBBS (Ibadan), MPH (Leeds), FWACP	Associa te Profess or	RFH, Dem, MS
6.	Prof. V O Omuemu***	MBBS (Benin), MPH (Benin), FMCPH, MWACP	Associa te	Epid, PHN

			Professor	
7.	Dr O A Adeleye	MBBS (Benin), MHPM (Benin), MPH (Benin), MSc (Ibadan), FWACP	Associate Professor	Epid, RMB, Bioethics, RFH, HE
8.	Prof. A R Isara	MBBS (Benin), MPH (Benin), FMCPH	Senior Lecturer	EH, OH, RMB, Epid
9.	Dr S U Ighedosa***	MBBS (Benin), DPH (Glasgow) PhD (Glasgow), FWACP	Senior Lecturer	Epid, RFH, EH, HM
10.	Dr I O G Owwoeye	MBBS (Maid), MPA (Maid), MPH (Benin), FWACP	Senior Lecturer	Epid, RFH, EH
11.	Dr V Y Adam	MBBS (Lagos), MPH (Benin), FMCPH	Senior Lecturer	Epid, RFH,
<i>Outside the department, but in the School of Medicine</i>				
12.	Prof F E Okonofua	BSc, MBChB (Ife), FWACP, FMCOG, FAS, PhD (Stockholm)	Professor	Obstetrics and Gynaecology, RFH
13.	Prof A O Isah	MBBS (Ibadan), FMCP, FWACP, MD (Newcastle)	Professor	Pharmacoepidemiology
14.	Prof M N Okobia	MBBS (Benin), FMCS, FWACS, MPH PhD (Pittsburgh)	Professor	Breast Surgery, Epidemiology
15.	Prof. A. B. A Ande	BSc, MBChB, FWACS, FICS, MPH	Professor	Obstetrics and Gynaecology, RFH
16.	Prof M I Momoh	MBBS (Benin), FWACS.	Professor	Breast Surgery
17.	Prof J U E Onakewhor	MBBS (Benin), MSc (Calabar), MPH (Benin), FWACS, FICS.	Professor	Obstetrics and Gynaecology, RFH
18.	Prof A O	BSc, MBChB(Ife), MSc	Professor	Bioethics

	Ogunrin	(Ibadan), FWACP, FRCP (Lond)	or	
19.	Prof C Ofovwe***	BSc (Benin), PhD (Limpopo)	Professor	Clinical Psychology
20.	Prof W E Sadoh	MBBS (Benin), MPH (Benin), FWACP	Professor	Child Health
21.	Dr K O Akhigbe	MBBS (Benin), FWACP	Associate Professor	Community Mental Health
22.	Dr O A Akoria	MBBS (Benin), Dip (Israel) MPH (Liverpool), Cert Geriat (New York) FMCP	Associate Professor	Geriatrics
23.	Dr E O Obarisiagbon	MBBS (Benin), FWACS	Lecturer I	Urology
<i>Outside the School of Medicine, but in the University of Benin</i>				
24.	Pror. Monye-Emina Anthony	Ph.D. (Benin), M.Sc. (Benin), B. Sc/Ed (AAU)		Development/Health Economics
25.	Prof O Osemwota	BSc, PGDip, MA	Professor	HM
26.	Prof S M Ogbomwan	BSc, MSc (Nigeria), DIC, PhD (London)	Professor	Biostatistics
27.	Prof O. Odaman	BSc, MSc, PhD	Professor	Demography. Social Statistics
28.	Prof. N I Aniekwu***	LLB (Benin), LLM (Lagos), PGD (Turku), PhD (Lagos)	Professor	Health Law
29.	Dr G N Vincent-Osaghae***	BSc (Ibadan), MSc (Ibadan), PhD (Ibadan)	Senior Lecturer	Medical Sociology
<i>Outside the University of Benin</i>				
30.	Prof M C Asuzu (Univ of Ibadan)	MBBS, FMCPh	Professor	Epidemiology

31.	Dr. W. Balami (FMOH)	MBBS, FWACS, mni	Director	Maternal and Child Health
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*The programme will engage associate lecturers in a collaborative arrangement with University of Aberdeen and Harvard School of Public Health through the Centre of Excellence in Reproductive Health Research and Innovations (CERHI) for the Family and Reproductive Health subspecialty programme).

**Dem, Demography; EH, Environmental Health; Epid, Epidemiology; HE, Health Education; HM, Health Management; MS, Medical Sociology; OH, Occupational Health; PHN, Public Health Nutrition; RFH, Reproductive and Family Health; RMB, Research Methods and Biostatistics.

***Female

1.	Prof. N I Aniekwu***	LLB (Benin), LLM (Lagos), PGD (Turku), PhD (Lagos)	Professor	Health Law
2.	Dr G N Vincent- Osaghae***	BSc (Ibadan), MSc (Ibadan), PhD (Ibadan)	Senior Lecturer	Medical Sociology
<i>Outside the University of Benin</i>				
3.	Prof M. C. Asuzu (Univ of Ibadan)	MBBS, FMCPH	Professor	Epidemiology
4.	Dr. W. Balami (FMOH)	MBBS, FWACS, mni	Director	Maternal and Child Health

*The programme will engage associate lecturers in a collaborative arrangement with University of Aberdeen and Harvard School of Public Health through the Centre of Excellence in Reproductive Health Research and Innovations (CERHRI) for the Family and Reproductive Health subspecialty programme).

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***Female

**DEPARTMENT OF COMMUNITY HEALTH
SCHOOL OF MEDICINE
COLLEGE OF MEDICAL SCIENCES**

**DOCTOR OF PHILOSOPHY IN PUBLIC HEALTH
(REPRODUCTIVE AND FAMILY HEALTH)**

PREAMBLE/HISTORICAL BACKGROUND OF THE PROGRAMME

For about three decades, the Department of Community Health has been conducting surveys and interventions in urban and rural communities largely in the current Edo State. Many of these programmes have focused on Reproductive and Family Health at household level and school levels. These programmes are conducted as parts of undergraduate and postgraduate training curricula, including theses, in University of Benin (MBBS; MPH) and University of Benin Teaching Hospital (National and West African Postgraduate Medical Colleges). The programme efforts have largely focussed contributing to reduction of maternal and childhood deaths in Nigeria. The MPH and Fellowship programmes have been the mainstay of the Reproductive and Family Health training at postgraduate level. The increasing human resource gaps in top-level expertise in Public Health have long opened up the need for masters' and doctoral subspecialty programmes in Public Health. This has led to the conception of the Master of Public Health in Reproductive and Family Health and the Doctor of Philosophy in Public Health (Reproductive and Family Health) programmes. The emergence of the Centre of Excellence in Reproductive Health Research and Innovations (CERHRI) provided the trigger to develop these programmes.

PHILOSOPHY OF THE PROGRAMME

The underlying philosophy of the programme has the following components.

1. Preventable morbidities and mortalities related to reproductive and family health continue to constitute great burdens on societies and families in developing countries, especially Nigeria. In particular, maternal and child

deaths are extremely high in Nigeria and have been shown to be the most distinguishing features between developed and developing countries.

2. Efforts to correct this challenge have not only been insufficient but have been largely lacking in technical content that integrates the underlying social-cultural, economic, political and medical factors.
3. While maternal and child morbidities and mortalities often receive separate disciplinary attention, they have been widely shown to be closely linked in terms of their underlying social-cultural, economic and political determinants. These determinants and their resulting maternal and child morbidities and mortalities are closely interwoven with and deeply rooted in family life. Reproductive health interventions and training therefore deserve separate and integrated approaches in the context of family life.
4. The programme was developed based on the conviction that an integrated public health approach, led by human resources with high-level technical skills and competence, is a major and desirable contribution to the significant reduction of morbidities and mortalities related to reproductive and family health, especially maternal and child deaths.
5. The programme recognizes reproductive and family health as a multidisciplinary subject with a minimum definition that includes those provided by the World Health Organisation (WHO) and the International Conference on Population and Development Programme of Action (ICPD POA). A definition of reproductive and family health should include a state of complete physical, mental and social well-being and not merely the absence of disease or infirmity of the reproductive system and the family; it is a constellation of methods, techniques and services that contribute to reproductive and family wellbeing, which includes sexual health, designed to enhance the quality of life and personal relations.

AIM OF THE PROGRAMME

The overall aim of the programme is to develop human resources with high-level technical skills and competence to provide and lead integrated preventive and promotive public health interventions in reproductive and family health.

OBJECTIVES

The following are the objectives of the programme.

1. To provide training that incorporates the historic, sociocultural, economic, political and conflict-related contexts that impact on the health of women, children and families.
2. To provide training that covers, but not limited to, family planning, infertility, safe motherhood, reproductive tract infections, gender-based violence, genital tract cancers and human sexuality and responsible parenthood.
3. To build capacity for applying general public health approaches in addressing reproductive health challenges.
4. To incorporate best practices in teaching, learning and research in reproductive and family health in line with the objectives and programmes of CERHI.

LEARNING OUTCOMES

Upon completion of the PhD in Public Health (Reproductive and Family Health) training programme, graduates are expected to be able to:

1. Identify the causes and effects of major health problems that occur during pregnancy, infancy, childhood and adolescence.
2. Assess the health care needs of women and children.

3. Integrate the understanding of life course with multiple determinants of health in developing solutions to reproductive and family health challenges.
4. Conduct research related to the health and well-being of families, especially women and children.
5. Demonstrate the ability to provide scientific, including epidemiological, evidence as basis for developing reproductive and family health programmes.
6. Manage (plan, implement and evaluate) sexual, reproductive and family health programmes in diverse settings.
7. Head teams and organisations involved in reproductive and family health programmes.
8. Conduct of research at the highest level for public health professional and academic training in order to function as technical service providers, researchers and lecturers in universities.

ADMISSION REQUIREMENTS

Applicants must satisfy the university's relevant admission requirements and the following in addition.

1. EITHER

a). A master's degree with a dissertation in any of the areas listed below with a minimum average score of 60% in courses taken.

- i. Public Health (non-sub-specialised or sub-specialised in Reproductive and Family Health)
- ii. A field related to Reproductive and Family Health.

OR

b). Applicants who have no master's degree (e.g. holders of MBBS/BDS or other first degrees with a CGPA of 3.5 or more in a field relevant to

Reproductive and Family Health) or whose relevant master's degrees have average scores below 60% will be required to take courses at the master's level in the first year of the programme, excluding the dissertation. To continue with the PhD programme the following year, the candidates must have scored an average of 60% in the masters' courses taken in the first year.

2. To ascertain the suitability of applicants for this programme, they shall be expected to pass an oral examination conducted by the Department of Community Health.

PROGRAMME DURATION

The programme will be run on full time and part time bases. The full-time option is designed to last for 24 months with allowance made for a maximum of 48 months. The part-time option is to last for 36 months with allowance made for a maximum of 60 months.

CONDITIONS FOR GRADUATION

To graduate, a student must pass

- a. all taught courses
- b. the practicum.
- c. an oral defence of the completed dissertation/thesis, in line with the guidelines of the Postgraduate School.

CONDITIONS FOR WITHDRAWAL

A full time or a part time student who fails to complete the programme in 48 or 60 months respectively will be required to withdraw.

GRADING PROCEDURE

The evaluation and grading shall be done using the following scale (Table 1). A student must score a minimum of 50% (C grade) to pass a course. The course assessment will be based on 30% continuous assessment and 70% examination.

Table 1: Evaluation and Grading

Alphabetical Grade	Percentage	Value interpretation	Points
A	70 – 100	Excellent	5
B	60 – 69	Very Good	4
C	50 – 59	Pass	3
D	0 – 49	Fail	0

COURSEWORK

All the courses are core. The course training methods include formal lectures and tutorials on key concepts. Emphasis shall be on supervised students' activities such as group demonstrations, academic teaching/tutorials in the department, class discussions, etc. largely focusing on research methods, statistics, review of published articles from reputable journals, mock presentations of proposed and completed dissertation/thesis etc. The taught courses consist of theoretical and practical bodies of knowledge to equip the student for research. They are to last for 1 semester.

A student who fails a course in any year must re-register for the course in the following year. The courses must be passed before the candidate can submit a draft dissertation/thesis proposal to the Departmental Postgraduate Committee.

If the Departmental Postgraduate Committee determines that a student lacks sufficient background in research methods, biostatistics, epidemiology or reproductive and family health, the committee may request the applicant to take the relevant elective courses as electives at master's level.

PPH 911 – 915 are taught courses common to all PhD Public Health programmes. The courses are based on the expectation that candidates are knowledgeable in them as taught at the MPH level. The course synopses for the PhD programme should, therefore, be seen as continuations of those of the respective MPH course synopses. The courses will be taught in the first semester. All the seminars, practicum and dissertation/thesis must focus on reproductive and family health. Tables 2 and 3 summarise the courses and the years and semesters in which they will be taken in the full time programme. Part time students are to take their taught courses and the examinations on these courses along with full time students, but will have the opportunity to present their seminars, do their practicum and conduct their dissertations within the remaining timeframe of their programme.

Table 2: Outline of Coursework: Year 1

Course Code	Course Title	L	T	P	CU
First Semester					
PPH 911	Advanced Principles of Epidemiology	3	0	0	3
PPH 912	Advanced Quantitative Research Methods	3	0	0	3
PPH 913	Advanced Qualitative Research Methods	3	0	0	3
PPH 914	Advanced Biostatistics for Health Research	3	0	0	3
PPH 915	Advanced Research Ethics	3	0	0	3
Second Semester					

PPH 921	Field Practicum	0	0	4	4
PPH 922	Seminar I (Proposal of Dissertation/Thesis)	0	0	3	3
(PPH 999)	<i>Dissertation/Thesis (commences)</i>				
TOTAL					22

Table 3: Outline of Coursework: Year 2

Course Code	Course Title	L	T	P	CU
First Semester					
PPH 931	Seminar II (Field practicum report)	0	0	3	3
PPH 932	Seminar III (A contemporary topical issue)	0	0	3	3
Second Semester					
PPH 933	Seminar IV (Completed dissertation/thesis)	0	0	3	3
PPH 999	Dissertation/Thesis (Defence)	0	0	6	6
TOTAL					15

GRAND TOTAL = 37 CREDIT UNITS

COURSE SYNOPSES

PPH 911: Advanced Principles of Epidemiology

The purpose of this course is to equip students with doctoral-level skills in epidemiological principles as a framework for understanding their application in public health. The course builds on the principles of epidemiology taught at the master's level, and students are advised to update themselves in that course.

The overall coverage of this course is the study of the frequency, distribution, determinants and deterrents of diseases and health-related states in human populations and the application of these to promote, protect and restore health.

Themes to be covered include the concept of causation, disease causation, natural history of diseases, measurement of health, disease and deaths, epidemics, study designs, errors, confounding, interaction, effect modification, collinearity, disease surveillance and response, health management information system, etc. Disease prevention, control, elimination, eradication will be treated in details (including screening and screening programmes) and the principles of their applications in communicable and non-communicable diseases and injuries.

While statistical and research methods are taught in other courses, students are expected to be familiar with them in order to gain sufficient conventional knowledge in advanced epidemiology. Thus, students are expected to be familiar with the various methods for different study designs.

PPH 912: Advanced Quantitative Research Methods

This course is structured to enable students to develop advanced quantitative research skills which have relevance to a PhD degree by research. It builds on quantitative research methods taught at the master's level, and students are advised to update themselves in the quantitative research methods module at that level.

It covers a detailed study of the research process. Students are expected to have gained satisfactory knowledge and skills in quantitative research methods at the MPH level. They will learn topical concepts that will enable them to formulate and test relevant research hypotheses, design studies, conduct rigorous data analysis, interpret results, report and present research findings evaluate existing quantitative research. The topics to be covered will include instrumentation, sampling, reliability, and validity, preparation of a quantitative research plan, observational, experimental and quasi-experimental study designs, and operations research. Skills will be taught on proposal writing for research grants. There is a

strong emphasis on the use of statistical tools in data analysis and interpretation using computer packages. Mixed methods in research are highlighted.

PPH 913: Advanced Qualitative Research Methods

This course is meant to enable students design and implement a PhD research with qualitative research content, usually as supportive and explanatory to quantitative research (mixed methods). It builds on qualitative research methods taught at the master's level, and students are advised to update themselves in the qualitative research methods module at that level.

The course covers the meaning of qualitative research, research paradigms, qualitative research design, qualitative inquiry process, qualitative data collection and analysis and qualitative report writing. Methods to be covered include focus group discussion, key informant interview, in-depth interview, mystery client trial, narrative, phenomenology, grounded theory, ethnography and case studies.

PPH 914: Advanced Biostatistics for Health Research

The course introduces the concepts and methods of statistics as applied to diverse problems in public health and medicine. It builds on the biostatistics course taught at the master's level, and students are advised to update themselves in that course.

This course demonstrates methods of exploring, organizing, and presenting data, and introduces fundamentals of probability distributions and conditional probability, with applications to 2x2 tables; presents the foundations of statistical inference, including concepts of population, sample parameter, and

estimate; and estimate; and approaches to inferences using the likelihood function, confidence intervals, and hypothesis tests. It introduces and employs the statistical computing package, STATA, to manipulate data.

The course also presents fundamental concepts in applied probability, exploratory data analysis, and statistical inference, focusing on probability and analysis of one and two samples. Topics include discrete and continuous probability models; expectations and variance; central limit theorem; inference, including hypothesis testing and confidence for means, proportions, and counts; maximal likelihood estimate. Sample size determination; non-parametric methods; graphical displays; and data transformation.

Statistical methods for analysing epidemiological studies will be taught with using at least one of STATA, SPSS, and Epi Info. Skills will be taught on screening data for normality, managing missing values, bivariate analysis, exploratory factor analysis, multivariate methods, multivariate analysis of variance (MANOVA), multiple regression analysis (linear and logistic), discriminant analysis and structural equation modelling. Basic methods are expected to have been learnt at lower degree levels, but will be demonstrated. Advanced methods will include logistic regression (conditional and unconditional), Poisson regression for cohort studies, survival analysis and proportionate hazards regression, etc.

PPH 915: Advanced Research Ethics

This course is designed to equip students at doctoral level with the highest level of skills to ensure ethical compliance in the conduct of research in line with local and international standards and requirements. It builds on research ethics taught at the master's level, and students are advised to update themselves in the research ethics module at that level.

Themes to be covered include foundation theories in ethics (virtue ethics, value ethics, deontology, consequentialism and principlism), differences between clinical and research ethics, exemptions from ethical oversight, informed consent, harm, benefit, risk-benefit calculus, ethical dilemma, standard of care, ethics committees, community relations, international research, clinical trial agreement, material transfer agreement, etc. Features of ethical considerations in experimental research will be emphasised. The National Code of Health Research Ethics will be studied in detail. Requirements for ethical research in selected international codes of ethics, procedures for applying for ethical approval from local and foreign research ethics committees, will be covered. The course will also deal with publication ethics. Research integrity and research misconduct will be covered. Historical and contemporary cases in unethical conduct of research and research misconduct will be critically reviewed. Measures to limit unethical research and research misconduct will be covered.

PPH 921: Field Practicum

The practicum is a 12-week structured and supervised practice-based learning in an institution approved by the department as having health programmes and activities in the student's subspecialty sufficient in standard and magnitude for a PhD practicum. Alternatively, an institution may be thus approved if its setting permits innovative and beneficial introduction of sexual, reproductive and family health functions and activities by a candidate adjudged to possess sufficient skills, experience, competence and resources to do so. The practicum comes up during the second semester of the first year of the programme. It will be scored by an assigned supervisor, guided by valid log-book records endorsed in the practice industry. The detailed and well-discussed report of the practicum shall be one of the seminars to be presented by the student.

PPH 922, 931, 932, 933: Seminars

Each student shall present a total of 4 doctoral seminars. The first seminar shall be a presentation of the approved dissertation/thesis proposal. The second shall be the report of the practicum. The third shall be on a contemporary and topical issue in reproductive and family health. The fourth shall be the students completed dissertation/thesis. All seminars shall be presented at a meeting of lecturers and postgraduate students of the department and resident doctors undergoing postgraduate training in the department in University of Benin Teaching Hospital. Each seminar shall be scored by qualified teachers in the programme who are present at the seminar. The final score for each seminar shall be the mean of validly awarded scores.

Dissertation/Thesis Proposal

Students are expected to have thought through at least one major research problem, expressed as research questions, for their dissertation/thesis before entry into the programme. These questions are to be developed into a set of objectives around which they are to review relevant literature which will serve as a precursor to a full draft dissertation/thesis proposal by the end of their first semester of study. Details of the procedure and timelines are presented in Table 4.

Table 4: Procedure and Timelines for the Development of Dissertation/Thesis Proposal

0-4 th month
The student submits the introduction and literature review of the intended dissertation/thesis to the Departmental Postgraduate Committee.
Within 2 weeks of submission, the Departmental Postgraduate Committee (DPC) determines, whether the submission demonstrates sufficient understanding and scholarship regarding the subject matter, research problem/research questions, justification, hypotheses and pertinent literature.
If satisfied, the DPC requests the student to develop and submit a draft dissertation/thesis proposal to it. The student does so.
5 th month
Upon submission, the DPC sends the draft proposal for review by three assessors, two of whom shall be the intended supervisors – one local (in the University of Benin) and another from a reputable foreign university. At least two assessors submit their comments.
If no assessor recommends discontinuation of the research process, consent to nominate as supervisor is obtained from the intended supervisors.
<p>a. The DPC recommends to the School of Postgraduate Studies (through the School of Medicine Board of Studies and the College Academic Board) two supervisors for the dissertation/thesis, one of whom is specified as the lead supervisor and one of whom shall be a professor in a reputable foreign university; and</p> <p>b. the recommendation is accompanied by the student's application for approval of the title of the dissertation/thesis by the postgraduate school.</p>
6 th month
The student makes changes in the proposal as may be required.
With the guidance and approval of the local supervisor, the student seeks ethical clearance for the intended research from the Research Ethics Committee of the College of Medical Sciences, University of Benin (or any other appropriate research ethics committee) in line with the provisions of the National Code of Health Research Ethics and the Helsinki Declaration, and other relevant codes as may be required.

7 th –8 th month
<p>The student</p> <ul style="list-style-type: none"> a. presents the proposal to the department as a doctoral seminar; and b. commences field work on the dissertation/thesis, following Research Ethics Committee’s approval.

ACADEMIC STAFF LIST*

S/N	Name	Qualifications	Status	Specialisation/ Teaching Areas**
<i>In the department</i>				
1.	Prof O H Okojie***	MBBS (Lagos), FMCPH, FWACP	Professor	Epid, OH, EH, RFH
2.	Prof V A Wagbatsoma***	AIMLT, FIMLT, MSc, PhD (Benin)	Professor	Parasitology, Epid
3.	Prof E C Isah***	MBBS (Benin), MSc, FMCPH, FWACP	Professor	Epid, EH, OH
4.	Prof A N Ofili***	MBBS (Ibadan), FWACP, FMCPH	Professor	OH, EH, Dem, HM, Epid
5.	Dr J C Chiwuzie	MBBS (Ibadan), MPH (Leeds), FWACP	Associate Professor	RFH, Dem, MS
6.	Dr V O Omuemu***	MBBS (Benin), MPH (Benin), , FMCPH, MWACP	Associate Professor	Epid, PHN
7.	Dr O A Adeleye	MBBS (Benin), MHPM (Benin), MPH (Benin), MSc (Ibadan), FWACP	Associate Professor	Epid, RMB, Bioethics, RFH, HE
8.	Dr A R Isara	MBBS (Benin), MPH (Benin), FMCPH	Senior Lecturer	EH, OH, RMB, Epid
9.	Dr S U Ighedosa***	MBBS (Benin), DPH (Glasgow) PhD (Glasgow), FWACP	Senior Lecturer	Epid, RFH, EH, HM
10.	Dr I O G Owioye	MBBS (Maid), MPA (Maid), MPH (Benin), FWACP	Senior Lecturer	Epid, RFH, EH
11.	Dr V Y Adam	MBBS (Lagos), MPH (Benin), FMCPH	Senior Lecturer	Epid, RFH,

Outside the department, but in the School of Medicine					
12.	Prof F E Okonofuaa	BSc, MBChB (Ife), FWACP, FMCOG, PhD (Stockholm), FAS	Professor	Obstetrics and Gynaecology, RFH	
13.	Prof V I Iyawe	MBBS (Benin) PhD (Glasgow)	Professor	Respiratory Physiology	
14.	Prof A O Isah	MBBS (Ibadan), FMCP, FWACP, MD (Newcastle)	Professor	Pharmacoepidemiology	
15.	Prof M N Okobia	MBBS (Benin), FMCS, FWACS, MPH PhD (Pittsburgh).	Professor	Breast Surgery, Epidemiology	
16.	Prof. A. B. A Ande	BSc, MBChB, FWACS, FICS, MPH	Professor	Obstetrics and Gynaecology, RFH	
17.	Prof M I Momoh	MBBS, FWACS.	Professor	Breast Surgery	
18.	Prof J U E Onakewhor	MBBS (Benin), MSc (Calabar), MPH (Benin), FWACS, FICS.	Professor	Obstetrics and Gynaecology, RFH	
19.	Prof A O Ogunrin	BSc, MBChB (Ife), MSc (Ibadan), FWACP, FRCP (Lond)	Professor	Bioethics	
20.	Prof C Ofovwe***	BSc (Benin), PhD (Limpopo)	Professor	Clinical Psychology	
21.	Prof W E Sadoh	MBBS (Benin), MPH (Benin), FWACP	Professor	Child Health	
22.	Dr K O Akhigbe	MBBS (Benin), FWACP	Associate Professor	Community Mental Health	
23.	Dr O A Akoria***	MBBS (Benin), Dip (Israel) MPH (Liverpool), Cert Geriat (New York) FMCP	Associate Professor	Geriatrics	
24.	Dr E O Obarisiagbon	MBBS (Benin), FWACS	Lecturer I	Urology	
Outside the School of Medicine, but in the University of Benin					
25.	Prof. Monye-	Ph.D. (Benin), M.Sc.	Professor	Development/Heal	

	Emina Anthony	(Benin), B. Sc/Ed (AAU)		th Economics
26.	Prof Osemwota	BSc, PGDip, MA	Professor	HM
27.	Prof S M Ogbomwan	BSc, MSc (Nigeria), DIC, PhD (London)	Professor	Biostatistics
28.	Prof O. Odaman	BSc, MSc, PhD	Professor	Demography? Social Statistics
29.	Prof. N I Aniekwu***	LLB (Benin), LLM (Lagos), PGD (Turku), PhD (Lagos)	Professor	Health Law
30.	Dr G N Vincent-Osaghae***	BSc (Ibadan), MSc (Ibadan), PhD (Ibadan)	Senior Lecturer	Medical Sociology
<i>Outside the University of Benin</i>				
31.	Prof M C Asuzu (Univ of Ibadan)	MBBS, FMCPH	Professor	Epidemiology
32.	Dr Balami W. (FMOH)	MBBS, FWACS, mni	Director	Maternal and Child Health

*The programme will engage associate lecturers in a collaborative arrangement with University of Aberdeen and Harvard School of Public Health, etc, through the Centre of Excellence in Reproductive Health Research and Innovations (CERHRI) for the Family and Reproductive Health subspecialty programme.

**Dem, Demography; EH, Environmental Health; Epid, Epidemiology; HE, Health Education; HM, Health Management; MS, Medical Sociology; OH, Occupational Health; PHN, Public Health Nutrition; RFH, Reproductive and Family Health; RMB, Research Methods and Biostatistics.

***Female

DEPARTMENT OF ECONOMICS AND STATISTICS
FACULTY OF SOCIAL SCIENCES

**POST-GRADUATE CURRICULUM IN HEALTH
ECONOMICS
(MASTERS PROGRAMME):**

MASTERS IN HEALTH ECONOMICS

Master of Science (M.Sc.) Programme

In Health Economics

PHILOSOPHY

The epi-centre of philosophy of the programme is hinged on the need to produce policy makers and managers in the health sector as well as academics roundly grounded in an integrated manner in the inter-related fields of health economics implies that they could be offered as an integrated package to the students in the MSc for a holistic acquisition and retention of knowledge required to improve the performance of the health system. However, in the PhD, there will be specialization in one of the disciplines.

There is lack of capacity in health management, economics and policy in Nigeria and most sub-Saharan African (SSA) countries. There is lack of adequately trained as well as academically equipped health management professionals to man management positions in the ministries of health, health organizations and services in Nigeria. These imply that the country and actually most of the countries in the SSA sub-region lack the capacity for health system analysis, health system management; health economics and policy; and overall health management techniques. These are essential skills that are required to improve the health system and ensure that the country attains and sustains the Sustainable Development Goals (SDGs), institutionalize an efficient and equitable health sector reform programme and ultimately improve the health status of the people and move towards Universal Health Coverage (UHC).

Evidence shows that the greatest problem preventing appropriate deliver of care, improved access to care and the financial viability of the health system has been the scarcity of trained and seasoned health care managers. Evidence also indicates increasing need for trained health economists/managers by the civil society organizations in attempt at reforming and improving the Nigerian health system. As a result, it has become necessary and important to provide relevant professional training in order to develop health management experts and health economists with high academic and professional skills to provide effective leadership in the health services delivery at both the public and private health sectors.

The phenomenon of lack of management acumen within our healthcare system has become so obvious that persons heading our health institutions and healthcare

services are hardly versed in the realm of health management, economics and policy for that matter, resulting in poor, ineffectual and uncoordinated healthcare delivery system. This is partly one of the reasons that the Nigerian healthcare system was ranked by the World Health Organization in 2000 to be one of the worst in the world.

The demand for health managers and administrators has been on the increase since the recent health reform programmes engaged at various governmental levels and partly sponsored by the international community commenced. Up until recently, both public and private health institutions were being managed by non-professional health managers, hence the enduring crises of misallocation of resources, lack of adequate health planning and diagnosis that has plagued the National healthcare delivery system.

The manpower needs for Health Economists as well as Health Systems and Policy Analysts also has remained on the increase especially with the recent health reform programmes in Nigeria and the rest of SSA sub-region. More so, international and civil society organizations are in constant demand of health economists and health system analysts to develop policies and implement various health reform programmes in the country as well as evaluate and provide economic evidence for improving diverse health programmes. The need for health economists run through the desire to build capacity to accomplish the demand for appropriate allocation of scarce resources, health management effectiveness and relevant decision making and performance application to the health industry to maximize the health and well-being of the citizenry.

There is a dearth of opportunities for training in areas of health economics, policy and management in, not only Nigeria, but in the rest of SSA region. The few available opportunities that are found mostly in South Africa are inadequate to cater for the needs of the countries and are not affordable to many desiring students. This also implies that there are low numbers of trained manpower in health economics that are able to provide such training to other people in Nigeria. Hence, there is the potential for University of Nigeria to become the leader in this area not only in Nigeria but in the SSA sub-region.

There is thus an urgent need to start the MSc and PhD programme in health economics to help curb the weaknesses in the management of the health system engendered by the absence of the appropriately trained managers in the health sector, which is pre-requisite for improving the healthcare system. In addition, the programme will also produce a critical mass of academics and experts required to

teach the courses to other people within the University system and to undertake research activities that will provide the evidence-base for improving the performance of the health system.

OBJECTIVES OF THE PROGRAMME

The MSc programme in Health Economics is designed to provide professional and relevant management of the health sector as well as capacity building in the educational sector for training and research. The set-out objectives of the programme are:

1. To provide advanced training in health economics, health policy and health management techniques required for managers and policy makers in the health sector as well as to the academia;
2. To provide specialized training and techniques required for effective planning and analysis of contemporary health sector issues;
3. To broaden the intellectual base for optimal resource allocation in the ever-evolving health sector in a developing country.
4. To provide students with frameworks which will enable them to understand and analyse health systems and policies;
5. To improve the strategic management know-how and training for health care managers to enable the institution of equitable, efficient and effective health system;
6. To develop health experts capable of engaging in health systems and research and analysis and ultimately improving the performance of health systems; and
7. To develop a critical mass of academics that will propagate capacity building and research in health economics, management and policies.

SCOPE

The programme will cover the advanced aspects of the disciplines of health economics, health policy, health management and health administration. The programme will also cover epidemiology including the control of common communicable and non-communicable diseases, and advanced principles of organization of health systems including hospitals and health sector reform issues.

ENTRY REQUIREMENTS

To be admitted into the MSc degree programme, candidate should be the holders: of a first degree in Health Administration and/or management; Economics,

Management and Policy from a recognized University or a degree in a related field with a minimum GPA of 2.5 (second class lower) on a 5 point scale; degree in Medicine, Nursing, Pharmacy or other allied healthcare disciplines (with relevant experience of 3 years or more in Health Planning, Economics, Management or Policy); a postgraduate diploma with credit in Health Economics, Management, Policy; or in any other related field; and a first degree in Medicine, Pharmacy and other bio-medical sciences from University of Nigeria; and other graduates with at least 3 years cognate managerial experience.

MODE OF STUDY

The MSc programme will be by course work to be examined in written papers together with research work to be presented in a Dissertation. The students will face an oral examination/defense before an external examiner. In order to qualify for the M.Sc. degree, candidates are required to register maximum of 28 units of courses. **A University mandatory regulation of 75% attendance to all lectures is required to sit for any Course examination and Continuous Assessment.**

DURATION

The duration of the MSc programme shall be a minimum of eighteen (18) calendar months and a maximum of thirty-six (36) calendar months. Full-time will be for a minimum of eighteen (18) calendar months and part-time will be for a minimum of twenty-four (24) calendar months. Students unable to complete their work within the specified period shall be discontinued from the programme.

SCORING AND GRADING

Scoring and grading of courses shall follow the guideline in which the percentage scores and interpreted in letter grade [A – C & F] and grade points [0, 3 – 5] as displayed in the table below:

Percentage Score	Letter Grade	Grade Points
70 – 100	A	5

60 – 69	B	4
50 – 59	C	3
0 – 49	F	0

The minimum pass mark for any course work is 50%;

30% shall constitute Continuous Assessment and 70% shall be from Examination score.

Candidates are required to re-register any failed course.

EMPLOYMENT OPPURTUNITIES

There are excellent employment opportunities in various arms of research, health and educational sectors. The graduates could be employed as: Outcomes analysts in pharmaceutical industry; Health economists in Ministries of Health and Development agencies; Health service administrators and managers in hospitals and other health care organizations; Lecturers and researchers in the Universities; Research fellows in research institutes; Programme managers by bilateral and multilateral organizations such as the World Health Organization; etc.

AREAS OF SPECIALISATION

Health Policy Analysis

Health Systems Research

Health Economics

Health Management

STRESS AREA

General Economics	-	0
Health Management	-	1
Health Economics	-	2
Health Policy	-	3
Research Methods	-	4
Epidemiology	-	5
Biostatistics	-	4
Demography	-	6

Project - 7

COURSE OUTLINE

1st Semester

Course code	Course title	Unit
Compulsory courses		
HEM 601	Advanced Health Planning and Management	3
HEM 613	Advanced Health Economics	2
HEM 625	Health Systems and Policies	3
HEM 637	Legal and Ethical Aspects of Health care	3
Total		<u>13</u>

Elective Courses (to choose only one)

HEM 651	Advanced Epidemiology	2
HEM 627	Health Sector Reform	2

2nd Semester

Course code	Course title	Unit
Compulsory courses		
HEM 612	Health Financing	2
HEM 604	Health Facility Planning	2
HEM 616	Advanced Economic Evaluation	2
HEM 648	Biostatistics	2
HEM 662	Research Methodology	3
HEM 674	Project work	6
Total		<u>17</u>

DESCRIPTION OF COURSES

HEM 601 ADVANCED HEALTH PLANNING AND MANAGEMENT **3 units**

A review of the principles and fundamentals of Management. The changing nature of administration and management and the place of modern techniques in management. Examination of various management theories. Types of

organizational functions, setting of organizational objectives and goals, effective organization-authority, power and delegation, formal and informal organizational structure and design; management techniques, line and staff function and authority; Managerial skills and roles of a manager. Strategic management, SWOT analysis, VMOST. Theory of the firm, Value chain, Porter's forces, corporate social responsibility, creating value at competitive advantage. Organizational development and change. Quality management, evaluation of performance. Leadership and leadership theories. Advanced human resources management-manpower planning and development, group effectiveness, performance appraisal, conflict management.

What is planning? Benefit of planning, principles of planning, types of planning. Planning and organization of health care services; introduction to some analytic health and non-analytic health planning techniques. Use of decision making in healthcare and decision-making techniques. Programme implementation, monitoring and evaluation. Principles of monitoring and evaluation. Health needs assessment, Community diagnosis. Organizational (Strategic, tactical and Operational)/sub-national and National Planning; Activity planning methodology; Resource planning methodology. Costing Plans.

HEM 613 ADVANCED HEALTH ECONOMICS 3 units

Concept of health economics. Economic approach to understanding problems, Demand theories, Nature/characteristics of the good – health, Demand and supply of healthcare goods and services; Understanding healthcare markets, Market failures in health Supplier-induced demand, basic health financing, introduction to methods of economic evaluation, Resource allocation, Health sector reform, Equity and efficiency analysis, Pharmaco-Economics. Economics of control of communicable and non-communicable diseases, Health Technology Assessment, Universal Health Coverage.

HEM 625 HEALTH SYSTEMS AND POLICIES 3 units

What is a health system? Definitions and boundaries; Functions and goals of health systems. Concept of systems and basic systems theory; identification of the health sectors (National Subsystems) that are relevant to health planning and delivery. Organization of the health system and types of services (promotive, curative, rehabilitative and preventive). Assessing Health System Performance; Policies that have been developed to strengthen/improve health systems.

Frameworks to analyse health systems and their performance. Frameworks to analyse health policies and assess their implementation. The role of federal, state and local governments in health services delivery, their power under the constitution and their influence on health care. The emergence and focus on primary healthcare (PHC). Definition of Policy; Types of policies. The health policy framework, Policy implementation. Legislative process in policy formulation. Methods for policy analysis. Health Policy analysis: Comparative ?Assessment of Political, Sociological and Economic analysis of Health policy issues.

HEM 637 LEGAL AND ETHICAL ASPECTS OF HEALTH CARE

2 units

Exploration of Nigeria legal system and the legislative process. Legal proceedings and the justice system.

The Nigerian constitution; Rule of law and the theory of separation of powers. Medical Malpractice; Medical Negligence, Contractual liability, the law of tort, vicarious liability, Hospital liability for the Acts of employees. The ethics of death and dying, organ donation, technology and vegetative state, and other ethical problems in health care delivery. Selected case studies of contemporary ethical health/medical issues like technological sustenance of life for patients on comatose.

HEM 651 ADVANCED EPIDEMIOLOGY

2 units

This will involve the application of epidemiological principles to the control of communicable and non-communicable diseases as well as health related events. Epidemiological Study Designs, Basic concepts in the principles of transmission and control of communicable disease. Investigation and management of common communicable disease epidemics. Surveillance of communicable disease. Community diagnosis.

HEM 627 HEALTH SECTOR REFORM

2 units

Concept of Health sector reform. Health System controls knobs and building blocks. Historical perspectives of Health Sector Reform in Nigeria and around the world. Public-private partnership (PPP).

Contracting out of services. Sustainable Development Goals (SDGs). Health Sector Reform Programmes in Nigeria. Health Systems Research Social determinants of Health, Health in all Policies, frameworks for evaluating health systems, The future Nigerian Health System.

HEM 612 HEALTH FINANCING

2 units

Health financing functions: resource generation and collection; pooling and purchasing. Different health financing mechanisms. Assessment of health financing mechanisms: equity, efficiency, affordability, accessibility and improvement in quality of services. Health insurance: different types; market failures in health insurance markets. National health financing policy. Health financing research. Concept of financial risk protection; catastrophic health expenditures. Comparison and evaluation of alternative Health care financing schemes in developed and developing countries, Examination of the issue of adequacy or otherwise of health care resources as they are currently appropriated. The medium-term Sector Strategy (MTSS) and Medium-term Expenditure Framework (MTEF) for health resource allocation and financing.

HEM 604 ADVANCED HEALTH FACILITY PLANNING

2 units

The nature of health care planning: Principles of Healthcare planning procedures [international models e.g. Nigeria, USA UK]; History and changes in Healthcare. Allocation of Resources at the Strategic levels; Approaches to planning Complex Systems. Operational policies/design implications: Patterns of Care; Operational Policies at various levels. Whole Hospital Planning Strategies; Space, Environment, Energy, Costs, Organizations and handling of data. The Design Brief. Investigation for briefing: A comparison of various briefing approaches; and investigating method/developed; An introduction to Mathematical Techniques and Operations Research. The design and building process: Providing Healthcare Buildings. Standards and Systems; Commissioning and Evaluation; Operation and Maintenance of Complex Building. Field Work and Seminar

HEM 616 ADVANCED ECONOMIC EVALUATION

2 units

Advanced methods of economic evaluation: Methodologies and applications of cost-effectiveness analysis (CEA), cost-benefit analysis (CBA), cost-utility analysis (CUA) and cost-minimization analysis (CMA). Use of economic analysis for decision making and resource allocation. Economic analysis of alternative methods of delivering and financing health care. Measuring costs; financial and economic costs, variable and fixed costs, unit costs, marginal costs, incremental costs. Monetary measures of outcome using the contingent valuation method and the human capital approach. Measuring effectiveness and outcomes; disability-adjusted life years, quality adjusted life years, willingness to pay technique. Average, marginal and incremental cost-effectiveness analysis. Project appraisal techniques; cost benefit and sensitivity analysis.

HEM 648 BIOSTATISTICS

2 units

What are Statistics? Populations, and samples, defining the data, data analysis and presentation of results. Organizing and displaying data. Frequencies, frequency distributions and histograms. Univariate descriptive statistics: means, medians, mode, standard deviations and standard errors. Normal distribution. Significance tests for a single mean. Comparison of two means and several means. Key principles of statistical inference. Parametric and non-parametric tests. Differences among group means.

Correlation, simple and multiple regression. Factor analysis. Measures of mortality and morbidity. Use of computers. Diagnostic tests. Statistical software packages.

HEM 662 RESEARCH METHODOLOGY

3 units

Planning and conducting an investigation. Sampling methods and sample size calculation. Primary and secondary data. The modes of inquiry in survey research, data gathering, interviewing techniques and elementary statistics. Ethics and informed consent. Various data collection tools: structured and semi-structured questionnaires, in-depth interview, focus group discussion, participant and non-participant observation, ethnography. Data management. Analysis and interpretation of data. Meaning, characteristics and differences between Health

Systems Research (HSR) and clinical/basic Sciences; place of (HSR) in the managerial process for National Health Development; approaches to HSR: Uses of HSR; HSR in practice and developing HSR proposals.

HEM 674 PROJECT WORK

6 units

Every Student is expected to undertake a research and produce a dissertation, which must meet an acceptable standard on a topic chosen from the field of Health Economics, Management or Policy. Each student shall be assigned a supervisor from the academic staff of the Department or any other academic staff of the University. The project work shall be based on an empirical study of a real-life problem or situation as agreed by the Department. This project also shall be examined by an external examiner.

ACADEMIC STAFF LIST

S/N	Name	Qualification	Status
1.	Monye-Emina, Anthony I.	Ph.D. (Benin), M.Sc. (Benin), B. Sc/Ed (AAU)	Professor and Head of Department
2.	Iyoha. Milton A.	Ph.D. (Yale), M.A. (Yale) B. A. (Oberlin)	Professor
3.	Obadan, Mike I.	Ph. D. (Ibadan), B.Sc. (Ibadan)	Professor
4.	Okojie, Christiana E. E.(Mrs.)	Ph. D. (Ibadan), M.A. (Leeds), B.Sc. (Ibadan)	Professor
5.	Edo, Samson. E.	Ph. D. (Benin), M. SC. (Benin), B. Sc. (Ibadan)	Professor
6.	Udegbumam, Raphael I.	Ph. D. (Benin), M.Sc. (Benin) B.Sc. (Benin)	Professor
7.	Anyiwe, Mercy A. (Mrs.)	Ph. D. (AAU), M. Sc. (Benin) B.Sc. (Benin)	Professor
8.	Oaikhenan, Hassan E.	Ph. D. (Benin), M.Sc.	Professor

		(Benin) B.Sc. (Benin)	
9.	Oriakhi, Dickson E.	Ph. D. (Benin), M.Sc. (Benin) B. Sc. (Benin)	Professor
10.	Izilein, Elizabeth I. (Mrs.)	Ph. D. (Benin), M. Sc.(Benin), PGDE (Benin), B. Sc. (Benin)	Associate Professor/Reader
11.	Oyefusi, Sulaimon, A.	Ph. D. (Benin), M. Sc. (Benin) B. Sc. (Benin)	Senior Lecturer
12.	Okoduwa, Pascal. A.	M. Sc. (East Texas), B.Sc.(Dallas)	Senior Lecturer
13.	Ighodaro, Clement A. U.	Ph. D (Benin), M. Sc. (Benin) B. Sc. (Benin)	Senior Lecturer
14.	Sede, Peter I.	Ph. D. (Benin), M. Sc. (Benin) B. Ed. (Benin)	Senior Lecturer
15.	Mogbolu, Favoured (Mrs.)	Ph. D. (Benin), M. Sc. (Benin) B. Sc. (Benin)	Lecturer 1
16.	Igbinedion, Osaretin S.	M. Sc. (Benin), B. Sc. (Benin)	Lecturer 1

ACADEMIC STAFF LIST CONTINUED

S/N o	Name	Qualification	Status
17.	Okweshine, James W.	Ph. D. (Benin), M. Sc. (Benin) B. Sc. (Benin)	Lecturer 2
18.	Ogbeide, Frank I.	Ph. D. (Benin), M. Sc. (Benin) B. Sc. (Benin)	Lecturer 2
19.	Sowemimo, I. E. (Mrs.)	M.Sc. (Manchester), B. Sc.	Lecturer 2

		(Benin)	
20.	Abusomwan, Success P.	M. Sc. (Benin), B. Sc. (Benin)	Assistant Lecturer
21.	Gbadebo, D. A.	M. Sc. (Benin), B. Sc. (Benin)	Assistant Lecturer
22.	Arodoye, Nosakhare L.	M. Sc. (Benin), B. Sc. (Benin)	Assistant Lecturer
23.	Osemwegie, Presly K.	M. Sc. (Benin), B. Sc. (Benin)	Assistant Lecturer
24.	Odjeba, O. P. (Mrs.)	M. Sc. (BIU), B. Sc. (Benin)	Assistant Lecturer
25.	Omo-Ikirodah, B. O. (Mrs.)	M. Sc. (Benin), B. Sc. (Benin)	Assistant Lecturer
26.	Mohammed, N.	M. Sc. (UNN), B. Sc. (Sokoto)	Assistant Lecturer
27.	Onwukeme, O. O.	M. Sc. (Ibadan), B.Sc. (Benin)	Assistant Lecturer
28.	Isuwa, D. F.	B. Sc. (ADSU)	Graduate Assistant
29.	Emediegwu, L. E.	B. Sc. (Benin)	Graduate Assistant
30.	Okoh, E. N.	B. Sc. (Benin)	Graduate Assistant

**DEPARTMENT OF ECONOMICS AND STATISTICS
FACULTY OF SOCIAL SCIENCES**

**POST-GRADUATE CURRICULUM IN HEALTH
ECONOMICS
(Ph.D PROGRAMME)**

Ph.D Health Economics

Doctor of Philosophy (Ph.D.) Programme
in
Health Economics

PHILOSOPHY

The manpower needs for health economists as well as health systems and policy analysts are on the increase especially with the recent health reform programmes in Nigeria and the rest of sub-Saharan African (SSA) sub-region. More so, international and civil society organizations are in constant demand for health economists and health system analysts to develop policies and implement various health reform programmes in the country as well as evaluate and provide economic evidence for improving diverse health programmes.

The need for health economists, managers and policy analysts run through the desire to build capacity to accomplish the demand for appropriate allocation of scarce resources, health management effectiveness and relevant decision making and performance application to the health industry to maximize the health and well-being of the citizenry.

Evidences show that the greatest problem preventing appropriate delivery of care, improved access to care and the financial viability of the health system has been the scarcity of trained and seasoned health care managers. As a result, it has become necessary and important to provide relevant professional training in health economists with high academic and professional skills to provide effective leadership in the health system.

However, there is lack of developed capacity in health management, economics and policy in Nigeria and in most SSA countries, which can be bridged by starting an appropriate advanced training in the areas so to produce academics, analysts and policy makers that are knowledgeable in the subject area. The capacity so developed are required to improve the health system and ensure that the country attains and maintains the Sustainable Development Goals (SDGs), institutionalize an efficient and equitable health sector reform programmes and ultimately improve the health status of the people and move towards Universal Health Coverage (UHC).

There is thus an urgent need to start the PhD programme in health economics to help curb the weaknesses in the management of the health system engendered by lack of capacity in the areas as well as the absence of the appropriately trained

health managers, which is pre-requisite for improving the healthcare system. The PhD programme will also produce a critical mass of academics and experts required to teach the courses to other people within the University system and to undertake research activities that will provide the evidence-base for improving the performance of the health system.

AIM

The PhD programme in Health Economics is designed to provide advanced training in health economics, health management or health policy for increasing research and technical expertise including analytic problem solving capacity to the graduates particularly: providing specialized training and techniques needed for effective conduct of research in the subject area; broadening the intellectual base and global understanding of health system issues; and enable proper scholarly productivity and contribution to knowledge in the specified areas.

SPECIFIC OBJECTIVES

1. To provide advanced training in health economics, health policy and health management techniques to academics and various health system managers and policy makers.
2. To provide specialized training and techniques required for effective planning and analysis of contemporary health sector issues.
3. To provide students with frameworks which will enable them to understand and analyse health systems and policies.
4. To develop experts capable of engaging in health systems and research and analysis and ultimately the performance of health systems.
5. To develop a critical mass of academics that will propagate capacity building and research in health economics, management and policies.

DESCRIPTION OF THE PROGRAMME SCOPE

The programme will cover the advanced aspects of the disciplines of health economics, health policy, health management and health administration. The programme will also cover basic epidemiology including the control of common communicable and non-communicable diseases, advanced principles of organization of health systems including hospitals and health sector reform issues.

A minimum workload of 24 credit units of which 12 credit units are for the Masters programme or coursework and 6 credit units for seminars.

ADMISSION REQUIREMENTS

To be admitted into the PhD programmes in Health Economics, Health Management/Administration or Health a candidate should: Hold M.Sc. degree (which includes coursework and research) in Health Economics, Health Management/Administration, or Health Policy or in a related area from University of Nigeria or any other recognized university provided the University admission grades requirements of a minimum CPGA of 3.0/4.0 or 3.5/5.0 are satisfied. In addition, a relevant working experience in Health Management and Policy matters will be an advantage.

MODE OF STUDY

It will be coursework and research-based with individual students working with assigned supervisors. It shall have coursework with written examinations and a research thesis that involves oral defense and requires the participation of an external examiner. **In addition to general PhD work, students who do not possess MSc HEMP of the Department of Health Administration and Management are required to take the following MSc courses so as to give them an excellent foundation for completing the PhD.**

The courses are as follows:

HEM 613 – Advanced Health Economics

HEM 601 – Advanced Health Planning and Management

HEM 625 – Health Systems and Policies

DURATION

Full-time: A minimum of four (4) semesters and a maximum of ten (10) semesters. Part-time: A minimum of six (6) semesters and a maximum of fourteen (14) semesters.

AREAS OF SPECIALIZATION

Health Economics

Health Planning and Management

Health Policy

EMPLOYMENT OPPURTUNITIES

There are excellent employment opportunities in various arms of research, health and educational sectors. The graduates could be employed as: Outcomes analysts in pharmaceutical industry; Health economists in Ministries of Health and Development agencies; Health service Administrators and Managers in hospitals and other health care organizations; Lecturers and Researchers in the Universities; Research fellows in Research institutes; Programme Managers by bilateral and multilateral organizations such as the World Health Organization; etc

SCORING AND GRADING

Scoring and grading of courses shall follow the guideline in which the percentage scores and interpreted in letter grade [A – C&F] and grade points [0, 3 – 5] as displayed in the table below.

Percentage Score	Letter Grade	Grade Points
70 – 100	A	5
60 – 69	B	4
50 – 59	C	3
0 – 49	F	0

The minimum pass mark for any course work is 50%

30% shall constitute Continuous Assessment and 70% shall be from Examination score.

Candidates are required to re-register any failed course.

AWARD OF DEGREE

The degree of PhD in Health Economics is awarded to only candidates who have passed all prescribed Courses, Seminars and other conditions prescribed by the Postgraduate School.

There is no GPA passing grade for the award of Doctoral Degree. The Doctoral Thesis is on Pass or Fail basis. However, any thesis score of less than 60% is deemed to have failed.

PROGRAMME STRUCTURE

HEM 790: DOCTORAL THESIS 12 units

CORE COURSES

HEM 791: Doctoral Seminar I (Research proposal) 3 units

HEM 792: Doctoral Seminar II (Post-field) 3 units

COURSE WORK (See MSc HEMP programme for details):

PGC 701: Synopsis and Grant writing 3 units

HEM 601: Advanced Health Planning and Management 3 units

HEM 613: Advanced Health Economics 3 units

HEM 625: Health Systems and Policies 3 units

TOTAL **30**

units

DESCRIPTION OF COURSES

PGC 701 – SYNOPSIS AND GRANT WRITING **3 units**

Identification of types and nature of grants writing: mining of grants application calls on the internet. Determining appropriate strategy for each grant application. Study of various grant application structures and contents and writing of concept notes, details project description, budgeting and budget defense. Study of sample grant writings in various forms and writing of mock research and other grants.

Identification of University of Nigeria synopsis structure and requirements (Introduction, Methodology and Results). Determining the content of each sub-unit of the synopsis. Steps in writing the synopsis from the Dissertation/Thesis document. Structural and Language issues. Common errors in synopsis writing and strategies for avoiding them. The roles of the students and supervisors in the production of a synopsis. Writing of mock synopsis. All registered PhD students must attend a solution-based interactive workshop to be organized by the School of Postgraduate Studied for a practical demonstration and application of the knowledge acquired from the course, conducted by selected experts.

HEM 790 - DOCTORAL THESIS**12****units**

This is a report based on a comprehensive research in area of health Economics, Health Policy or Health Management.

HEM 791 – DOCTORAL SEMINAR I**3 units**

A presentation by the student, of the complete research proposal; including introduction, the research problems, aims and objectives, preliminary literature review, conceptual framework, the data collection tools and proposed data analytic methods.

HEM 792 – DOCTORAL SEMINAR II**3 units**

A detailed written post field of the candidate's PhD work.

NB: ALL PhD CANDIDATES ARE REQUIRED TO PUBLISH AT LEAST ONE PAPER FROM THEIR THESIS IN AN IMPACT FACTOR JOURNAL [THOMSON REUTERS] BEFORE THE FINAL DEFENCE.

DEPARTMENT REGULATIONS

1. Students are required to have attended at least 75% of lectures for each module to be eligible to sit the examination and continuous assessment for that module.
2. Students are required to have undertaken a continuous assessment test(s) for each module (which carries 30% of the final marks) before sitting the examination.
3. Any modules not passed at the first attempt will be carried over to the following session.
4. **It is expected that the taught courses and examinations will take place in the first 9 months of the calendar year (PGD and MSc.) and the last 3 months will be dedicated to the project work (PGD) at the end of which students are expected to submit their projects.**

5. Students are expected to possess a laptop, a functioning internet access and a scientific calculator as a basic minimum at the commencement of the course.

ACADEMIC STAFF LIST

S/N o	Name	Qualification	Status
2.	Monye-Emina, Anthony I.	Ph.D. (Benin), M.Sc. (Benin), B. Sc/Ed (AAU)	Professor and Head of Department
2.	Iyoha. Milton A.	Ph.D. (Yale), M.A. (Yale) B. A. (Oberlin)	Professor
3.	Obadan, Mike I.	Ph. D. (Ibadan), B.Sc. (Ibadan)	Professor
4.	Okojie, Christiana E. E.(Mrs.)	Ph. D. (Ibadan), M.A. (Leeds), B.Sc. (Ibadan)	Professor
5.	Edo, Samson. E.	Ph. D. (Benin), M. SC. (Benin), B. Sc. (Ibadan)	Professor
6.	Udegbumam, Raphael I.	Ph. D. (Benin), M.Sc. (Benin) B.Sc. (Benin)	Professor
7.	Anyiwe, Mercy A. (Mrs.)	Ph. D. (AAU), M. Sc. (Benin) B.Sc. (Benin)	Professor
8.	Oaikhenan, Hassan E.	Ph. D. (Benin), M.Sc. (Benin) B.Sc. (Benin)	Professor
9.	Oriakhi, Dickson E.	Ph. D. (Benin), M.Sc. (Benin) B. Sc. (Benin)	Professor
10.	Izilein, Elizabeth I.	Ph. D. (Benin), M.	Associate

	(Mrs.)	Sc.(Benin), PGDE (Benin), B. Sc. (Benin)	Professor/Reader
11.	Oyefusi, Sulaimon, A.	Ph. D. (Benin), M. Sc. (Benin) B. Sc. (Benin)	Senior Lecturer
12.	Okoduwa, Pascal. A.	M. Sc. (East Texas), B.Sc.(Dallas)	Senior Lecturer
13.	Ighodaro, Clement A. U.	Ph. D (Benin), M. Sc. (Benin) B. Sc. (Benin)	Senior Lecturer
14.	Sede, Peter I.	Ph. D. (Benin), M. Sc. (Benin) B. Ed. (Benin)	Senior Lecturer
15.	Mogbolu, Favoured (Mrs.)	Ph. D. (Benin), M. Sc. (Benin) B. Sc. (Benin)	Lecturer 1
16.	Igbinedion, Osaretin S.	M. Sc. (Benin), B. Sc. (Benin)	Lecturer 1

ACADEMIC STAFF LIST CONTINUED

S/N o	Name	Qualification	Status
17.	Okweshine, James W.	Ph. D. (Benin), M. Sc. (Benin) B. Sc. (Benin)	Lecturer 2
18.	Ogbeide, Frank I.	Ph. D. (Benin), M. Sc. (Benin) B. Sc. (Benin)	Lecturer 2
19.	Sowemimo, I. E. (Mrs.)	M.Sc. (Manchester), B. Sc. (Benin)	Lecturer 2
20.	Abusomwan, Success P.	M. Sc. (Benin), B. Sc. (Benin)	Assistant Lecturer
21.	Gbadebo, D. A.	M. Sc. (Benin), B. Sc. (Benin)	Assistant Lecturer

22.	Arodoye, Nosakhare L.	M. Sc. (Benin), B. Sc. (Benin)	Assistant Lecturer
23.	Osemwegie, Presly K.	M. Sc. (Benin), B. Sc. (Benin)	Assistant Lecturer
24.	Odjeba, O. P. (Mrs.)	M. Sc. (BIU), B. Sc. (Benin)	Assistant Lecturer
25.	Omo-Ikirodah, B. O. (Mrs.)	M. Sc. (Benin), B. Sc. (Benin)	Assistant Lecturer
26.	Mohammed, N.	M. Sc. (UNN), B. Sc. (Sokoto)	Assistant Lecturer
27.	Onwukeme, O. O.	M. Sc. (Ibadan), B.Sc. (Benin)	Assistant Lecturer
28.	Isuwa, D. F.	B. Sc. (ADSU)	Graduate Assistant
29.	Emediegwu, L. E.	B. Sc. (Benin)	Graduate Assistant
30.	Okoh, E. N.	B. Sc. (Benin)	Graduate Assistant

**CURRICULUM FOR THE AWARD OF MASTERS OF
SCIENCE
[M. Sc] (REPRODUCTIVE HEALTH)**

**DEPARTMENT OF NURSING SCIENCE
SCHOOL OF BASIC MEDICAL SCIENCES,
COLLEGE OF MEDICAL SCIENCES**

UNIVERSITY OF BENIN

CURRICULUM FOR THE AWARD OF MASTERS OF SCIENCE [M.Sc] IN NURSING SCIENCE (REPRODUCTIVE HEALTH)

MASTERS OF SCIENCE IN NURSING SCIENCE

HISTORY OF THE PROGRAMME

Reproductive Health Nursing is a nursing specialty domiciled in the Department of Nursing Science. It is aimed at preparing nursing graduates in Reproductive Health clinical specialties to be able to face the challenges confronting nursing profession in Nigeria. The issues of reproductive health range from rapes, infertility, sexual problems and same sex marriage and their health implications. The programme aims to provide students with the skills, knowledge and understanding of health and health-care issues in middle and low income countries which will enable them to practise at a senior level internationally. The programme explores aspects of Sexual and Reproductive Health including maternal and neonatal health, family planning, prevention, diagnosis and management of STIs and HIV infection, adolescent health, gender and gender-based violence.

PHILOSOPHY OF THE PROGRAMME

The programme was established as a response to the national need of nursing manpower development. In the globalization of nursing, the trend is towards development of polyvalent graduates who will provide quality care in health care delivery. Health care delivery requires sound knowledge and professional effectiveness and efficiency, products of the programme will be nurse clinicians. Thus the underlying philosophy of the programme is that

1. Man is a bio-psychosocial being with unique responsibility for health problems and his needs are the focus of all nursing activities.
2. Nursing is a professional relationship between the nurse and his/her client which is based on relevant concepts, principles and theories in the sciences, technology and the arts. It is client-centered; client-client-friendly and client-attested to ensure quality care.
3. Education is not only a life-long process; it is also an instrument of change. University education is the key to the growth of professionals, hence professional nursing education can be achieved in an institution of higher learning that provide a foundation for general education in the arts and sciences.

4. Nursing functions cut across the life span of individuals, families and communities within the health care delivery system. In order to provide quality care, Nursing education must meet globally accepted standard as available in the University.
5. The health care system exists to meet the needs of the clients, individuals, families, group or communities, by providing primary, secondary and tertiary health maintenance activities that ensure maintenance of high level of wellness.

Based on the afore-mentioned principles, this programme sets out to produce educationally and professionally sound Nurses whose assertions on nursing care will be unequivocal in every aspect of client care. The programme will also be responsive to the needs of the society.

3. Objectives.

The Masters in Reproductive Health Nursing specialty is aimed at:-

- a. Providing nurses with competences to function in the clinical areas of Reproductive Health.

The objective of the programme would be to develop the following competences expected of the graduate of the programme;

COMPETENCES EXPECTED OF POSTGRADUATES OF THE PROGRAMME

The competences of a nurse who is a postgraduate of these Degree programmes in Reproductive Health Nursing include the ability to:

- Utilize Nursing process in the care of individual, family and community with Reproductive health conditions.
- Adopt appropriate Nursing care delivery model in any setting.
- Assess reproductive health client/patient through history-taking, physical assessment, and review of relevant records and make appropriate nursing diagnoses.

- Apply relevant concepts, principles and theories of administration and management in delivery of health care services at various levels.
- Plan individual, family and community reproductive health nursing intervention.
- Assume responsibility for delivery of dependent, independent and interdependent Nursing activities in any setting.
- Evaluate Nursing care to ascertain effectiveness of nursing actions rendered to individuals, families and communities on objectives set.
- Develop strategies for health promotion and maintenance in families and communities.
- Develop proficiency in assessing, diagnosing, implementing and appropriate specialized Nursing care measure in any health problem situation.
- Provide rehabilitative services to individuals, families and adapt to changing conditions.
- Provide leadership in Nursing and health care delivery in their relevant specialties.
- Understand and assume leadership roles in budgeting, managing and auditing human and material resources available for health care delivery.
- Develop proficiency in interpreting special diagnostic reports to enhance management of client.
- Function as a nurse in any area of clinical practice to establish and maintain a referral system, researchers, academics and administrators/planners in all areas of reproductive health nursing.

4. **ADMISSION REQUIREMENTS**

- a. All candidates must possess minimum of Second Class (Upper) while for Unclassified Degree should have CGPA of not less than 3.50
- b. On completion of M.Sc programme candidates who obtained weighted score of 60% and above are eligible to proceed to PhD and candidates who score weighted score between 50% and 59% would be eligible for M. Phil programme

5. **PROGRAMME DURATION.**

M.Sc degree: minimum of 12 months and maximum of 24 months (full time).

6. **CONDITION FOR GRADUATION**

a) Master's Degree

Candidate must pass between 30-40 credits units.

- i) Core courses.
- ii) Elective courses of minimum of 6 units.
- iii) Dissertation of 6units. (I, ii and iii) Inclusive.

Continuous Assessment

This is in form of essays, tests, care or case studies, clinical reports, assignment, tutorial assignment etc. C A constitutes 30% of the total score.

Tutorial/ Seminars

All post graduate students are expected to undertake tutorial/ seminars.

External Examiner System

External examiner shall be used at the end of the postgraduate programme to assess courses and Dissertation/Thesis, to certify the overall performance of graduating students, as well as the quality of facilities and teaching.

8. Examinations, Grading Procedure and Results

(i) Examinations.

- a) In addition to continuous assessment, examinations shall be conducted for every course at the end of each semester. The total score for each course shall be 100%.

It would be as follows:

Continuous assessment	30%
Examination	70%
Total	100%

- b) A written examination shall last for a minimum of one hour for one credit unit and three hours for three credit units. A practical examination shall last for a minimum of one hour and oral/viva, ten minutes.

(ii) Pass Mark:

The pass mark shall be 50% in any course.

(iii) Grading System

Courses shall be graded by a combination of percentage and translated into a graduated system of Grade point Equivalents (GPE).

For the purpose of determining student's stand, Grade Point Average (GPA) shall be used at the end of every semester.

Computation of GPA

*The total number of credit points earned (TCP) is divided by the total number of units (TNU) for all courses taken in the semester.

*The grade point of a course is computed by multiplying the number of units for the course by the Grade Point Equivalent of the marks scored in the course.

*Each course shall be graded out of a maximum of 100 marks and assigned appropriate Grade Point Equivalents (GPE).

(i) Total	(ii) %	(iii) Letter	(iv) Grade	(v) Average	(vi) (CGPA)
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Credit Units	Scores	Grades	Points (GP)	(GPA)	
Vary according to contact hours	70 – 100	A	5	Derived by multiplying i and iv and dividing by total credit units	4.50 –5.00
	60 – 69	B	4		3.50 –4.49
	50 – 59	C	3		2.50 –3.49
	45 – 49	D	2		2.00 –2.49
	40 – 44	(F)	1		< 2. 00
	Below 40	E (F)	0		
		F			

Condition for Withdrawal

Candidates who earn less than 8 credits from taught courses at the end of first year should withdraw from the programme.

CONDITIONS FOR GRADUATION

To graduate, candidates must pass all of the following.

- d. A written examination for each course at the end of the respective semesters.
A written examination is not required for the practicum which will be scored as described in the appropriate section below.
- e. An oral defence for the completed dissertation/thesis, in line with Postgraduate School guidelines.

**6. COURSE OUTLINES FOR MASTER OF NURSING SCIENCE
(REPRODUCTIVE HEALTH)**

First Semester

Course Code	Course Title	Units	Remarks
PHRH810	Advanced Physiology and Pathophysiology of Reproductive Systems	2	R
AN RH 810	Advanced Anatomy of Reproductive Organs and Biotechnology.	2	R
AE RH 801	Advanced Biostatistics	3	C
NSRH 811	Advanced concept and theoretical foundation of Reproductive Health Nursing.	2	C
NSRH 812	Reproductive Health Law	2	C
NSRH 813	Nursing management of Reproductive Health Patients.	3	R
NSRH 814	Reproductive Health Nursing Management	2	E
NSRH 815	Advanced Health Assessment in Reproductive Health	2	R
NSRH 816	Clinical 1 (Hospital based)	2	R
Total Credits		20	

Second Semester

Course Code	Course Title	Units	Remarks
NSRH 821	Advanced Research Methods and Techniques applied to Nursing	3	C
NSRH822	Clinical (11 community based)	2	R
NSRH 823	Computer application in Reproductive Health Nursing	2	C
NSRH 824	Seminar in Reproductive Health Nursing	2	C
NSRH825	Contemporary issues in Reproductive	2	C

	Health nursing		
NSRH826	Concepts in Reproductive Health Nursing and Family Health.	2	R
NSRH 827	Health Psychology for Reproductive Health Nursing	2	R
NSRH 828	Clinical Pharmacology & Therapeutics.	2	R
NSRH 899	Research Project	6	C
Total Credits		23 Credits	

COURSE CONTENT SPECIFICATIONS FOR MASTER OF SCIENCE PROGRAMME IN REPRODUCTIVE HEALTH NURSING.

PHRH 810:Advanced Physiology in Reproductive Systems: (2 credit units)

Reproductive and hormonal function.

This course explains the description of spermatogenesis, function of the seminal vesicles, function of the prostate gland, semen and male fertility.

The male sex act, testosterone and other male sex hormone. Abnormality of male sexual function. The prostate gland and its abnormality, Hypogonadism in the male testicular tumour and hypergonadism in the male, Pineal body.

Pregnancy reproductive function and female hormone which include pregnancy, labour, lactation and special features of foetal and neonatal physiology. Gonads, Sex determination and differentiation. Male and female reproductive systems. Assessment of infertility, Hypothalamic-pituitary influence, menstrual cycle. Pregnancy and lactation. Gonad and Placental hormones, Puberty and menopause. Foetal circulation.

ANRH 810): Advanced Anatomy in Reproductive Organs. (2 credit units)

This course describes the structures of the reproductive systems which include the morphology, structure, function, location and subdivision of various parts such as ovaries uterine tubes, uterus and vagina and mammary glands and disorders of female reproductive systems.

Male reproductive organs which include scrotum, testes, ducts of the testes and accessory glands penis and pelvic floor and endocrine relationships such as pineal body, pituitary gland testes and ovaries. Introduction to assisted reproductive technologies, history of assisted reproductive technologies, sperm technologies, oocyte technologies, in vitro fertilization, environment of early embryo; Oviductal technologies, intracytoplasmic sperm injection, xenogenous egg incubation, cloning estrous cycle.

AERH 801 Advanced Biostatistics:(3units)

Includes the application of statistics in processing and analysis of data and report writing; parametric and non-parametric statistics; contingency table; measures of association, simple multiple and partial correlation, regression factor analysis, limited non-parametric correlation techniques and computer procedures for performing these techniques. It will also explore varying statistical method, software packages, networking approaches for health care professionals and development of data collection tools for nursing research. It is intended to help participants understand the benefits, difficulties and tensions of using a combined (qualitative and quantitative methods) approaches to health care research. This course will also introduce students to data analysis including multivariate techniques used in health care and epidemiological research such as multiple regression analysis, logistic analysis, factorial analysis of variance, multivariate analysis of variance and covariance, factorial analysis, path analysis, structural equation modeling and selected parametric techniques. The use of appropriate hardware and software is integrated throughout the course.

NSRH 811: Advanced concept and theoretical foundation of Reproductive Health Nursing. (2 credits)

Critical analysis of nursing process as an instrument for care. Critiques of theory development in nursing, applications of nursing process to selected nursing situations; Comparative evaluation of the Nursing process with other instruments of nursing care delivery: Practice in nursing theory development. The course is designed to foster the students understanding of their role as nurse practitioners, and the relationship between new developments and clinical practice, nursing education and policy forces. The students will further develop their ability to appraise critically health related policies, their potential and actual effect on clinical practice and education. It will also increase their knowledge of a range of contextual issues that relate to and impinge on nursing care, to enable them make critical judgments to their value with particular regard to the work force and patient care. Explore the necessity and utility of concepts and theories in practice discipline. Examine the processes of theory development, contribution and strategies for theory analysis and evaluation. It will also provide opportunities for students to deepen their understanding and appreciation to research theory by analyzing and discussing the relative merits of qualitative and quantitative research methods. It will also assess the evaluation of theoretical models for nursing practice

NSRH 812 Reproductive Health Law: (2 credits)

Legal issues and problems in health and impact on nursing practice. Health institution policy and the role of members. Definition of terms: i.e. Licensure, Legal responsibility, Liability, Contract, Plaintiff, Defendant, Doctrine of Res Ipsa Loquitor, Negligence, The patient bill of right, Malpractice, Battery and Assault, Informed Consents, Damages. Introduction to Nigeria legal system: the rights and responsibilities of the patients and nurses in the health profession. Selected legal studies and implications on nursing. The legal role of the nurse. Litigation and emergency nursing. Legal pitfalls in emergencies.

Legal implications in special patient situations such as mentally disturbed patients, Alcohol and substance abuse patients, attempted suicide patients and animal bite patients.

Telephone advice, Dispensing medication, When Police ask for help, obtaining evidence by the police, Felony – related cases, Non responsive on call doctor, Handling evidence properly, Care for the deceased.

Legal implications of attending to emergency on the scene of accident, the good Samaritan laws. Responsibility to help and immunity from liability, consent to treat.

Type of Notifiable/ Reportable cases in emergencies. Refusal of treatment or erring against medical advice. The off duty nurse. The emergency team, Report writing, Report giving and teaching. Legal aspects of fertilization technology; genetic issues and right of forms.

NSRH 813: Nursing management of Reproductive Health Patients: (3 credit units)

This course will explain the disease process and management of female reproductive disorder using nursing process to manage vulva vaginal infection, such as bacteria, fungal, virus and HIV/AIDS. Structural disorder, benign disorder and malignant condition. Pregnancy related neoplasm and cancer of various structures. Hysterectomy and radiotherapy. Pre- & post-operative care and rehabilitation. Management of breast disorder, diagnostic evaluate; Infectious condition affecting the nipple, breast tissue, ca and benign tumor of the breast.

Current research in breast cancer and prophylactic mastectomy of breast cancer.

Special issues in breast cancer management.

Reproductive surgery.

Management of male reproductive disorders, assessment, diagnostic evaluation and disorder of male sexual function. Infection of male genitourinary tracts, conditions of the prostate, testes and adjacent structures including the penis. Immunological systems and reproductive health related endocrine system disorder such as pituitary, pineal, testes and ovarian glands.

NSRH 814 :Reproductive Health Nursing Management: (2 units)

Classification of Nursing Science Practice, ethico-legals, standardization, Nursing audit and quality assurance, business environment, general management, financial management, feasibility studies, marketing and managerial problem solving, entrepreneurship development, Nursing Practice accreditations.

Health and Nursing Services Administration

Organization and administrative theories and its' application to Nursing services organizations, issues in Nursing manpower development and utilization; comparative and nursing service management information system; application of nursing process administrative problems; organization of nursing services to meet changing needs and demands; theories and practice s of evaluation.

NSRH 815 Advanced Health :Assessments in Reproductive Health Nursing: (3units)

Purpose of Physical examination.; Preparation and organization for examination. Techniques for physical assessment. General survey or appraisal of the patient's presentation and behavior. Measurement of vital signs. Assessment of height and weight.

Assessment of intergumentary system i e. the skin, hair, scalp and nails. Examination of head and neck includes assessment of head, eyes, nose, mouth, pharynx and neck.(lymph nodes, carotid arteries, thyroid gland and trachea) Physical assessment of the thorax and lungs. Assessment of heart function. Examination of the vascular system includes measuring of blood pressure and assessing the integrity of the peripheral vascular system. Examination of breasts of both male and female.

Abdominal examination.

Examination of female genitalia and reproductive tract.

Examination of male genitalia. Examination of rectum and anus.

Assessment of musculoskeletal system. Assessment of neurological system.

NSRH 816: Clinical Reproductive Health Nursing Practice: (2 credits).

It is a clinical experience related to the development of knowledge and skills necessary for implementing intervention services of reproductive health patients.

NSRH 821 : Advanced Research Methods and Techniques applied to nursing :(3units).

Introduction- overview of research process, definition, types and purpose, significance of research in nursing, history of nursing research.

Research process- terms used in research, steps in the research process, literature review(library skills), theoretical frame work, definition and determination of variables, formulation of hypothesis, research design, population, sample and sampling techniques, methods of data collection, data analysis and interpretation, report of findings, discussion of results, recommendation, references and bibliography, writing a research proposal.

Research communication- ethical issues, critique of research report, application of research process in clinical practice, acknowledgement of contributor and references, communicating research findings, utilization of research findings.

NSRH 822: Clinical Reproductive Health Nursing Practice: (2 units).

It is a clinical experience related to the development of knowledge and skills necessary for implementing intervention services of reproductive health patients.

NSRH 823 Computer application in Reproductive Health Nursing :(2units).

The course introduces the history of Computers, functional components of a computer, characteristics of a computer, problem solving flowcharts and algorithm. It also includes basic computer programming statement, Symbolic names: arrays subscripts expression and control statements and introduction to visual basic programming computer applications. Introduction to instructional design using a variety of computer and technology based media. The focus is on assisting students to gain skill instruction technology in enhancing learning in clinically-based educational setting in Reproductive Health Nursing. It will include packages such as internet, networking, animation, automation scanning, power points, Microsoft content eg Word process (editing & designing) and microprocessor.

NSRH 824: Nursing Seminar : (2units)

These seminars provide students the opportunity to pursue in-depth study of selected area in medical nursing. Nursing models and theories will be evaluated for their usefulness. Students will be required to presents two seminars in relevant areas of nursing research. This will include past and current issues and approaches in reproductive health nursing research contribution of research to Nursing Education and Practice.

NSRH 825 Contemporary Issues in Reproductive Health: (3units).

Human right and right violation.

Concept of reproductive health and theoretical approaches:-Human right and integrated approaches

Gender, same sex marriage and Cultural issues

Fertility and infertility
Adolescent sexuality and
Reproductive health
Safe motherhood including post abortion care
Infections of reproductive tract including STI/HIV/AIDS
Menopause and Andropause
Violence against women
Oncology Reproductive rights/health of refugees, differently able people, prisoners, displaced and underserved are highlighted

NSRH 826: Concepts in Reproductive Health Nursing and Family Health:(2units).

This course focuses on concepts and principles of reproductive health. It components as well as reproductive rights and ethical issues. Measurement of fertility. Reproductive health status of men and women in Nigeria. Behavioural factors that affects reproductive health. Formal education and reproductive health. The reproductive phase of life cycle as well as family planning and family health. The pre – menopausal and menopausal in relation to male (andropausal) and female reproductive health as a concept. Nigeria polices and reproductive health should also be emphasized. Communication of reproductive health information. Advocacy and community mobilization for reproductive health activities. Health education for reproductive health services. Quality care. Types of relationships including dating, courtship and marriage, Family. The psychological health of women and mothers Maternal, child and newborn health. Maternal morbidity and mortality. Integrated care and management. Child survival strategies. Peri-natal, Neonatal, infant, under five, school age mortality pattern. Integrated management of childhood diseases. Health and sexuality. Evaluation of FH services

NSRH 827: Health Psychology for Reproductive Health Nursing : (2units).

The course describes the introduction to the relationship between the functioning of social systems and behaviour and attitude of individual. It provides an overview of the principles of psychology. The students are taught advanced principles of growth and development, personality and theories of personal development. They are also exposed to advanced techniques of counseling, group structure as well as attitudes formation and attitudinal change. They student in the understanding of human behaviour in health and illness especially in reproductive health. Genetic counselling and counselling on the use of fertility technology

NSRH 828 :Clinical Pharmacology & Therapeutics: (2 units).

Definition and scope of pharmacology. Origin and sources of drug, routes of administration of drugs. Pharmacokinetics, absorption, distribution, metabolism and drug elimination. Pharmacodynamics- concepts of drug-receptor interactions, structure activity relationship, mode of action of drugs. Drug interactions, individual variation. Pharmacokinetics, tolerance and tachyphylaxis, Pharmacovigilance (adverse drug reaction), drug development and evaluation including clinical trials

Systemic Pharmacology: The neuro-humoral transmission on neuro-effector sites, drugs acting on the reproductive organ/ systems, urinary, endocrine and nervous systems. Antimicrobial Chemotherapy, Antineoplastic chemotherapy and dermatological preparations.

NSRH 834: Thesis: (6units)

Research Project report on candidate's area of interest will be examined by external examiner.

LIST OF STAFF IN THE POSTGRADUATE PROGRAMMES

S/ No	Name	Qualification	Rank	Area Of Specialization
1	Dr. (Mrs.) Mabel O OSIFO	PhD, M.Sc, Pgd, BNSc., RN, RM, RNA, RNT,	Lecturer In-charge Lecturer 1	Community Health Nursing
2.	Dr. (Mrs.) Florence O. ADEYEMO	PhD (Health Education), M.Sc, (Community Health Nursing) B.Sc. Nursing, RN, R.M. RNT, RPHN Fip Cert. OHN FWACN	Senior Lecturer	Community Health Nursing
3.	Dr. Prisca Olabisi ADEJUMO	RN, RM, OHN, RFP, B (Nursing Education), M.Sc. (Medical Nursing), M.Sc. (Medical Sociology) PhD. (Medical Sociology) Post doc (Genetic Nursing Classification) (Stellenbosch), PhD (Nursing in view)	Associate Professor	Medical Surgical Nursing
4	Dr. Fidelis Uchendi. OKAFOR	PhD, PGDE, M.HPM, B.Sc. Nursing, RNT, Dip. In Opthal. Nursing, Advance Dip. in Community Opthal. Nursing, FWACN.	Senior Lecturer / PG Co-coordinator	Medical Surgical Nursing/ Nursing Education
5	Dr. (Mrs) Beatrice, OHAERI	PhD. Nursing; RN/RM; FWACN	Senior Lecturer	Medical Surgical Nursing.
6.	Dr. (Mrs.) Filani	PhD, M.Sc, Pgd, BNSc., RN, RM, RNA, RNT,	Senior Lecturer	Maternal & Child Health Nursing
7	Mrs. Olufemi Y MAKINDE	M.Sc Nursing, Med Health Ed, BNSc, RN, R.M. RNT, RPHN	Lecturer 1	Maternal & Child Health Nursing

LISTS OF CLINICAL INSTRUCTORS

1.	Mrs. M L Obanor	MSc, B.Sc Health Education, RN, RNT, RM	Chief Clinical instructor.
2.	Mrs. M. Iniomor	B.Sc Social work. RN,RM RPHNT, MTD	Principal Clinical instructor.
3.	Mrs. M. Imoukhuede	MSc, B.Sc Health Education, RN, RNT, RPHN	Senior Clinical instructor.
4.	Mrs.J. Oko-ose	RN, RM, A/EON, B. Sc Ed Health Education, B.Sc Nursing, M.Sc. Physiology	Senior Clinical instructor.

LIST OF ASSOCIATE LECTURER IN OTHER DEPARTMENTS				Area of Specialization
1.	Prof. V. I. Iyawe	MBBS, PhD (London) DSport Medicine.	Professor.	Physiology
2.	Prof. L. F. O. Obika	BSc (IB), PhD (Cantab)	Professor.	Physiology
3.	Prof. A. Isah	MD, FMCP, FWACP.	Professor.	Medicine & Clinical Pharmacology
4.	Prof. A. B. Ebeigbe	BSc(IB), PhD (Glassow)	Professor.	Physiology
5.	Prof. D. L. Baxter- Grillo	LRCPI, LRCSL, LLM, DCH, FNMC, PhD	Professor.	Anatomy
6.	Prof. Mrs. M. I. Ebomoyi	BSc, M.Sc (IB), PhD (Benin)Cert. Basic Computing (London)	Professor.	Physiology
7.	Prof. A. D. A.	BSc, PhD Physiology	Professor	Physiology

	Ighoroje (Mrs.)			
8	Prof I.N IBEH	B.Sc, M. Sc, Ph. D	Professor.	Medical Lab. Science
8.	Dr. Akoria	MBBS, FMCP	Senior Lecturer	Medicine
9.	Dr. Akhigbe	MBBS, FMCP Psychiatry	Associate Professor	Mental Health & Psychiatric
10.	Prof. A. C Ugwu	B.Sc , M.phil PhD	Professor	Physiology
11.	Dr. J. E. Ataman	MBBS, (Uniben) MSc Anatomy (Uniben)	Senior Lecturer	Anatomy
12.	Dr. R. U. Erhunmwunse	BSc, M.Sc, PhD (Benin), AIBMS, FIBMS.	Senior Lecturer	Medical Biochemistry
13.	Dr. Mrs. H. A. Oboh	BSc, M.Sc, PhD (Benin),	Associate Professor	Medical Biochemistry
14.	Dr. E. B. Ezenwa	BSc, M.Sc. PhD	Senior Lectur	Physiology
15.	Dr. C. O. Azubike	MBBS, M.Sc, PhD	Senior Lectur	Physiology
16.	Dr. F.A.E. Om'iniabohs	BSc, PhD., FRMS (Benin),	Senior Lecturer	Anatomy
17.	Dr. O.I. Ajayi	BSc, PhD	Senior Lectur	Physiology
18.	Prof. (Ven) Mon Nwadiani	Dip The, B.Ed(Hon), M.ed, PhD	Professor	Education
19	Prof(Mrs) N.I Aniekwu	LLB Benin, BL Lagos, PGD (International Human Right Law) PhD (Lagos)	Professor.	Law
20	Prof.(Mrs) C.E. Ofovwe	B.Sc, M.Sc. Ph.D	Professor	Clinical Psychol

**DEPARTMENT OF NURSING SCIENCE
SCHOOL OF BASIC MEDICAL SCIENCES,
COLLEGE OF MEDICAL SCIENCES**

**CURRICULUM FOR THE AWARD OF DOCTOR OF
PHILOSOPHY (PH.D) DEGREE IN NURSING SCIENCE
(REPRODUCTIVE HEALTH)**

UNIVERSITY OF BENIN

DOCTOR OF PHILOSOPHY (PH.D) DEGREE IN NURSING SCIENCE

HISTORY OF THE PROGRAMME

Reproductive Health Nursing is a nursing specialty domiciled in the Department of Nursing Science. It is aimed at preparing nursing graduates in Reproductive Health clinical specialties to be able to face the challenges confronting nursing profession in Nigeria. The issues of reproductive health range from rapes, infertility, sexual problems and same sex marriage and their health implications. The programme aims to provide students with the skills, knowledge and understanding of health and health-care issues in middle and low income countries which will enable them to practise at a senior level internationally. The programme explores aspects of Sexual and Reproductive Health including maternal and neonatal health, family planning, prevention, diagnosis and management of STIs and HIV infection, adolescent health, gender and gender-based violence.

PHILOSOPHY OF THE PROGRAMME

The programme was established as a response to the national need of nursing manpower development. In the globalization of nursing, the trend is towards development of polyvalent graduates who will provide quality care in health care delivery. Health care delivery requires sound knowledge and professional effectiveness and efficiency, products of the programme will be nurse clinicians/researcher. Thus the underlying philosophy of the programme is that

1. Man is a bio-psychosocial being with unique responsibility for health problems and his needs are the focus of all nursing activities.
2. Nursing is a professional relationship between the nurse and his/her client which is based on relevant concepts, principles and theories in the sciences, technology and the arts. It is client-centered; client-client-friendly and client-attested to ensure quality care.
3. Education is not only a life-long process; it is also an instrument of change. University education is the key to the growth of professionals, hence professional nursing education can be achieved in an institution of higher learning that provide a foundation for general education in the arts and sciences.
4. Nursing functions cut across the life span of individuals, families and communities within the health care delivery system. In order to provide quality care, Nursing education must meet globally accepted standard as available in the University.

5. The health care system exists to meet the needs of the clients, individuals, families, group or communities, by providing primary, secondary and tertiary health maintenance activities that ensure maintenance of high level of wellness.

Based on the afore-mentioned principles, this programme sets out to produce educationally and professionally sound Nurses whose assertions on nursing care will be unequivocal in every aspect of client care. The programme will also be responsive to the needs of the society.

3. **OBJECTIVES.**

The Doctor of Philosophy in Reproductive Health Nursing specialty is aimed at:-

- a. Providing nurses with competences to function in the clinical, teaching and research areas of Reproductive Health.

The objective of the programme would be to develop the following competences expected of the graduate of the programme.

4. **COMPETENCES EXPECTED OF POSTGRADUATES OF THE PROGRAMME**

The competences of a nurse who is a postgraduate of these Degree programmes in Reproductive Health Nursing include the ability to:

- Utilize Nursing process in the care of individual, family and community with Reproductive health conditions.
- Adopt appropriate Nursing care delivery model in any setting.
- Assess reproductive health client/patient through history-taking, physical assessment, and review of relevant records and make appropriate nursing diagnoses.
- Apply relevant concepts, principles and theories of administration and management in delivery of health care services at various levels.

- Plan individual, family and community reproductive health nursing intervention.
- Assume responsibility for delivery of dependent, independent and interdependent Nursing activities in any setting.
- Evaluate Nursing care to ascertain effectiveness of nursing actions rendered to individuals, families and communities on objectives set.
- Develop strategies for health promotion and maintenance in families and communities.
- Develop proficiency in assessing, diagnosing, implementing and appropriate specialized Nursing care measure in any health problem situation.
- Provide rehabilitative services to individuals, families and adapt to changing conditions.
- Provide leadership in Nursing and health care delivery in their relevant specialties.
- Understand and assume leadership roles in budgeting, managing and auditing human and material resources available for health care delivery.
- Develop proficiency in interpreting special diagnostic reports to enhance management of client.
- Function as a nurse in any area of clinical practice to establish and maintain a referral system, researchers, academics and administrators/planners in all areas of reproductive health nursing.

4. ADMISSION REQUIREMENTS

a. On completion of M.Sc programme candidates who obtained weighted score of 60% and above are eligible to proceed to PhD and candidates who score weighted score between 50% and 59% would be eligible for M. Phil programme.

5. PROGRAMME DURATION.

Doctorate degree: minimum of two (2) years and a maximum of seven (7) years.

6. CONDITION FOR GRADUATION

To qualify for the award of the PhD degree in Nursing Science (Reproductive Health), a candidate must have

- Successfully completed the course of instruction and seminar presentation approved by the department.
- Submit and defend a Thesis.
- Meet the requirement as stipulated in the Regulations of the University's School of Postgraduate studies.

7. EXAMINATIONS, GRADING PROCEDURE AND RESULTS

Examinations

- a) In addition to continuous assessment, examinations shall be conducted for every course at the end of each semester. The total score for each course shall be 100%.

It would be as follows:

Continuous assessment	30%
Examination	70%
Total	100%

- b) A written examination shall last for a minimum of one hour for one credit unit and three hours for three credit units.

A practical examination shall last for a minimum of one hour and oral/viva, ten minutes.

- (ii) Pass mark: shall be 50% in any course.

CONDITION FOR WITHDRAWAL

Candidates who earn less than 8 credits from taught courses at the end of first year should withdraw from the programme.

CONDITIONS FOR GRADUATION

To graduate, candidates must pass all of the following.

- f. A written examination for each course at the end of the respective semesters.
A written examination is not required for the practicum which will be scored as described in the appropriate section below.
- g. An oral defence for the completed dissertation/thesis, in line with Postgraduate School guidelines.

MASTERS OF PHILOSOPHY DEGREE PROGRAMME IN NURSING

This is an abridged programme for nurses who possess M.Sc. degrees in Nursing but with a weighted average score below 60% that is (55-59.9%) or CGPA less than 4.0 on a 5 scale grading in the course work, And also those whose transcripts reflect some deficiencies in their M.Sc. course work.

Transfer from M.Phil. to Ph.D.

Course Work Requirements

This will be tailored to the academic status/deficiencies of each candidate.

DOCTOR OF PHILOSOPHY IN REPRODUCTIVE HEALTH NURSING

Core Courses offered

Advanced Reproductive Health Nursing Theory Development.

Health Planning and Health Care Financing.

Seminar

Research Thesis.

Health Policy Analysis

Population and Family Planning

Health Systems Research.

First Semester

Course code	Course Title	Units	Remarks
NSRH 911	Advanced Reproductive Health Nursing Theory Development	3	
NSRH 912	Reproductive Health Planning and Financing.	3	
NSRH 913	Reproductive health Population and Family Planning	3	
NSRH 914	Reproductive Health Policy Analysis	3	
NSRH 921	Advanced Biostatistics and computer application as it apply to Nursing	2	
NSRH922	Reproductive Health System Research And nursing informatics	3	
NSRH 923	Seminar in Reproductive Health Nursing	3	
NSRH 999	Thesis	12	
Total Credits		32 Credits	

Course description

NSRH 911: Advanced Reproductive health Nursing Theory Development :(3 units).

Critical evaluation of the major theories and model development strategies used in nursing, construction of theoretical statement at specific theory level and the design of nursing research in which the theoretical statement will be examined.

NSRH912: Reproductive Health Planning and Financing :(3 units).

Health problems as the basis for planning health services; models of health care in developing and developed countries; health manpower planning including production and utilisation; cost-benefit analysis of health and Nursing services models and methods of financing health and nursing services, socio-economic and cultural factors, affecting cost and services comfort and evaluation in health planning and health financing with particular focus on Nursing services.

NSRH 913: Reproductive health Population and Family Health:(3 units).

Demography, population theories and politics, socio-cultural determination of fertility, models of fertility regulation behaviour, planning , programming and evaluation of family planning services, communication , information and

education in the family planning; individual case study on the family health and population programmes.

NSRH 914: Reproductive Health Policy Analyses :(3 units).

The nature and dynamics of health policy formulation from a comparative perspective, a review of Nigeria and some developing countries' health policies, approaches to health policy, formulation, analysis and evaluation.

NSRH9 21: Advanced Biostatistics and computer application as it apply to Nursing: (2 units)

Includes the application of advanced statistics in processing and analysis of data and report writing: parametric and non-parametric statistics; contingency table; measures of association, simple multiple and partial correlation, regression factor analysis, limited non-parametric correlation techniques and computer procedures for performing these techniques. It will also explore varying statistical methods software packages, networking approaches for health care professionals and development of data collection tools for nursing research. It is intended to help participants understand the benefits difficulties and tensions of using a combined (qualitative and quantitative methods) approach to health care research.

NSRH 922: Reproductive Health System Research and nursing informatics: (3 units).

This course is about how to develop research proposals and conduct research that aims at supporting decision-making processes at all levels of health system with relevant information. It covers promotion of health system research as a management tool, designing and conducting health system research project for promotion of nursing services, dissemination and utilization of research funding and training of trainers for health system research.

NSRH 923: Research Seminar in Nursing :(3 units).

Student will be required to present two seminars in relevant areas of nursing research. This will include past and current issues and approaches in nursing research contribution of Research to Nursing Education and Practice.

NSRH 924): Thesis :(12 units)

Research Project on candidate's area of interest presented in a report (Dissertation) examined orally before panel of examiners.

LIST OF STAFF IN THE POSTGRADUATE PROGRAMMES

S/ NO	NAME	QUALIFICATION	RANK	Area of Specialization
1	Dr. (Mrs.) Mabel O OSIFO	PhD, M.Sc, Pgd, BNSc., RN, RM,RNA, RNT,	Lecturer In c Lecturer 1	Community Health Nursing
2.	Dr. (Mrs.) Florence. O. ADEYEMO	PhD (Health Education), M.Sc, (Community Health Nursing) B.Sc. Nursing, RN, R.M. RNT, RPHN Fip Cert. OHN FWACN	Senior Lecturer	Community Health Nursing
3.	Dr. Prisca Olabisi ADEJUMO	RN, RM, OHN, RFP, (Nursing Education), M.Sc. (Medical S Nursing), M.Sc. (Medical Sociology PhD. (Medical Sociology) Post doc (Genetic Nursin Nursing Classification) IIWCC (Stellenbosch), Ph (Nursing in view)	Associate Professor	Medical Surgical Nursing
4	Dr. Fidelis Uchendi. OKAFOR	PhD, PGDE, M.HPM, B.Sc. Nursing, RNT, Dip. In Ophthal. Nursing, Advance Dip. in Community Ophthal. Nursing, FWACN.	Senior Lectu PG Co-coord	Medical- Surgical Nursing/ Nursing Education
5	Dr. (Mrs) Beatrice, OHAERI	PhD. Nursing; RN/RM; FWACN	Senior Lectu	Medical - Surgical Nursing.
6.	Dr. (Mrs.) Filani	PhD, M.Sc, Pgd, BNSc., RN, RM,RNA, RNT,	Senior Lectu	Maternal & Child Health Nursing

LISTS OF CLINICAL INSTRUCTORS

1.	Mrs. M L Obanor	MSc, B.Sc Health Education, RN, RNT, RM	Chief Clinical instructor.
2.	Mrs. M. Iniomor	B.Sc Social work. RN,RM RPHNT, MTD	Principal Clinical instructor.
3.	Mrs. M. Imoukhuede	MSc, B.Sc Health Education, RN, RNT, RPHN	Senior Clinical instructor.
4.	Mrs. J. Oko-ose	RN, RM, A/EON, B. Sc Ed Health Education, B.Sc Nursing, M.Sc. Physiology	Senior Clinical instructor.

LIST OF ASSOCIATE LECTURER IN OTHER DEPARTMENTS				Area of Specialization
1.	Prof. V. I. Iyawe	MBBS, PhD (London) DSport Medicine.	Professor.	Physiology
2.	Prof. L. F. O. Obika	BSc (IB), PhD (Cantab)	Professor.	Physiology
3.	Prof. A. O. Isah	MD, FMCP, FWACP.	Professor.	Medicine & Clinical Pharmacology
4.	Prof. A. B. Ebeigbe	B. Sc(IB), PhD (Glasgow)	Professor.	Physiology
5.	Prof. D. L. Baxter-Grillo	LRCPI, LRCSL, LLM, DCH, FNMC, PhD	Professor.	Anatomy
6.	Prof. Mrs. M. I.	BSc, M.Sc (IB), PhD (Benin),	Professor.	Physiology

	Ebomoyi	Cert. Basic Computing (London)		
7.	Prof. (Mrs.) A. D. A. Ighoroje	BSc, PhD Physiology	Professor	Physiology
8	Prof I.N IBEH	B.Sc, M. Sc, Ph. D	Professor.	Medical Lab. Science
8.	Dr. Akoria Obehi	MBBS, FMCP	Senior Lecturer	Medicine
9.	Dr. Akhigbe K	MBBS, FMCP Psychiatry	Associate Professor	Mental Health & Psychiatric
10.	Prof. A. C Ugwu	B.Sc , M.phil PhD	Professor	Physiology
11.	Dr. J. E. Ataman	MBBS, (Uniben) MSc Anatomy (Uniben)	Senior Lecturer	Anatomy
12.	Dr. R. U. Erhunmwunse	BSc, M.Sc, PhD (Benin), AIBMS, FIBMS.	Senior Lecturer	Medical Biochemistry
13.	Dr. Mrs. H. A. Oboh	BSc, M.Sc, PhD (Benin),	Associate Professor	Medical Biochemistry
14.	Dr. E. B. Ezenwan	BSc, M.Sc. PhD	Senior Lecturer	Physiology
15.	Dr. C. O. Azubike	MBBS, M.Sc, PhD	Senior Lecturer	Physiology
16.	Dr. F.A.E. Om'iniabo	BSc, PhD., FRMS (Benin),	Senior Lecturer	Anatomy
17.	Dr. O.I. Ajayi	BSc, PhD	Senior Lecturer	Physiology
18.	Prof. (Ven) Mon Nwadiani	Dip The, B.Ed(Hon), M.ed, PhD	Professor	Education
19	Prof(Mrs) N.I	LLB Benin, BL Lagos,	Professor.	Law

	Aniekwu	PGD (International Human Right Law) PhD (Lagos)		
20	Prof.(Mrs) C.E. Ofovwe	B.Sc, M.Sc. Ph.D	Professor	Clinical Psycholo

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY
SCHOOL OF MEDICINE
COLLEGE OF MEDICAL SCIENCES

CURRICULUM FOR AWARD OF MASTER OF SCIENCE
(M.SC.) DEGREE

IN REPRODUCTIVE HEALTH

MASTER OF SCIENCE (M.SC.) DEGREE IN REPRODUCTIVE HEALTH

PREAMBLE

Reproductive Health (RH) is defined as a condition in which the reproductive process is accomplished in a state of complete physical, mental and social well-being and not merely the absence of disease or disorders of the reproductive process. It involves the study of subjects related to normal and abnormal structures and functions, including the various ways in which normal and abnormal structures function, biological and socio-economic factors affect the reproductive process, normal growth and development. Reproductive Health is a broad based subject that requires a multidisciplinary approach to effectively tackle the various aspects of a woman's health in relation to human reproduction.

Hitherto, the concept of Reproductive Health and Reproductive Health issues were either ill defined or were regarded as yet another term for Obstetrics and Gynaecology. For example, in the early eighties, although the concept of Reproductive Health had evolved, it was essentially limited to issues of contraception and fertility control. For this reason, Reproductive Health training and its parameters were limited largely to the undergraduate curriculum of Medical Students. Nevertheless, more than ever before, Reproductive Health and related issues have become an increasingly important aspect of health development. Rapid population increase, dwindling economic resources and the emergence of the HIV/AIDS pandemic and other sexually transmitted diseases underscore clearly the need to redefine our training protocols and areas of emphasis. This perhaps explains the rather unfortunate new and emerging concept that Reproductive Health almost exclusively relates to demography, population dynamics and social medicine. For a developing country like Nigeria, this trend poses challenges to complete understanding of the issues involved in relation to practice of reproductive health. While the training of students needs to be modified with increased emphasis on the social and population aspects of obstetric and gynaecological care, training of a new set of manpower at higher levels with adequate emphasis on all the components of Reproductive Health is now desirable.

In many developing countries including Nigeria, Reproductive Health is yet to be well developed. This has engendered the need to not only to raise awareness but also to develop capacity of the West African and other developing countries in innovative manner to provide reproductive health services at optimal levels through capacity building and applied research.

PHILOSOPHY OF THE PROGRAMME

The M.Sc. Reproductive Health Programme is designed to address reproductive health (RH) and RH-related issues critical to development. The programme address vital issues such as safe motherhood; planned population, maternal and child hood mortality, HIV and AIDS and other sexually transmitted infections and other socio-demographic issues related to RH. The aspiration is to train qualified individuals to international standards in order to greatly impact in improving reproductive health policies and services by producing cohorts of postgraduates that meet current developmental challenges related to reproductive health and rights in developing countries especially in the Africa sub-region. Internships in industries, exchange programmes and applied research are innovative components of the training programme that will better equip graduates in implementing prevention programmes with socio-cultural peculiarities.

The programme is specially beneficial for individuals working or intends to work in vital areas of Reproductive Health (RH) that address RH policies, family planning, prevention of HIV and AIDS and other sexually transmitted infections, maternal and childhood mortalities and gynaecological cancer prevention programmes. The graduates of this programme are expected to also provide services in Non-Governmental Organizations (NGOs), Community Based Organisations (CBOs) and academic institutions.

PROGRAMME OBJECTIVES

The M.Sc. Reproductive Health course is designed to provide students with detailed background knowledge and skills required to formulate and execute preventive programmes and to carry out applied research in Reproductive Health and critically appraise the findings. Linkage to industries is an innovative objective of this programme.

EXPECTED LEARNING OUTCOMES

The expected learning outcomes of the M. Sc. Programme in Reproductive Health include:

1. Understanding the main Reproductive Health challenges: Obstetric morbidity and mortality, unsafe motherhood; unwanted pregnancies; reproductive tract diseases including cancers, sexually transmitted infections, gender issues, adolescence, the concept of planning for family which consist of family planning and infertility treatment.

2. Obtaining skills for analyzing the determinants and consequences of reproductive ill health: epidemiology, statistics, demography and social science.
3. Ability to design research interventions focused on improving Reproductive Health through services and policies emphasizing preventive measures and mindful of socio-cultural peculiarities.
4. Acquisition of skills in protocol design, grant applications and presentations of research findings; monitoring and evaluation of Reproductive Health programmes.
5. Computer literacy at an acceptable level of competence.

PROGRAMME TITLE

The programmes shall be titled: **Master of Science (M.Sc.) in Reproductive Health**

ADMISSION REQUIREMENTS

1. First degree from a university recognized by the University of Benin in Health, Natural or Social Sciences. For classed degrees, this shall be a minimum of 2nd Class Honours.
2. Applicants shall be selected by passing a qualifying examination. This shall be advertised during the admission process.
3. Applicants who are Nigeria citizens, in addition to the above, certificate of completion or exemption from the National Youth service Corps.

STRUCTURE/ DURATION OF THE PROGRAMME

The duration of the programme shall be a minimum of 12 months and a maximum of 24 months. The programme shall consist of 34 credits units of course work and a project of 6 credits (Total 40 Credits). The spread of the courses and credit units is as shown below:

TABLE 1: SPREAD OF COURSES AND CREDIT UNITS FOR MASTER IN REPRODUCTIVE HEALTH

Year	Semester	Number of Courses	Credit Units	Total Credit Units
I	1 st	10	20	20
	2 nd	6	14	14

	(Thesis)	6	6
Total	16 + Thesis	40	40

The programme will be based in the Department of Obstetrics and Gynaecology, School of Medicine, University of Benin with inputs from relevant Departments in the University.

TABLE 2: ASSESSMENT AND GRADING

Assessment and grading of course and project are on the basis of the following scale:

% SCORE	ALPHABETIC GRADE	GRADE	POINTS
70 – 100	A	Excellent	5
60 – 69	B	Very good	4
50 – 59	C	Pass	3
0 – 49	D	Fail	0

Students must obtain a minimum of C (50%) in all prescribed courses and the project to pass.

Assessment would be 70% Examination and 30% Continuous Evaluation/Assessment.

CONDITIONS FOR GRADUATION

The following conditions must be met to qualify for graduation.

1. Passing the written examinations for the various courses at the respective semester examinations. For internship periods, there shall be no examinations but individual student reports shall be graded in accordance with departmental assessment schemes stipulated for that purpose.
2. Satisfactory defense of a completed thesis or dissertation in accordance with stipulated guidelines of the Postgraduate School for such purpose.

CONDITIONS FOR WITHDRAWAL

A student who fails a course in any semester must re-register for the course during the corresponding semester in the following year. No student shall be allowed to retake a failed course more than twice. Any student who fails to earn 8 credits in the first semester or 15 credits at the end of the first year (first and second

semesters combined) shall be required to withdraw from the programme. A student who cannot complete the entire programme (including the project) within the University stipulated maximum period of 24 months shall be asked to withdraw from the programme.

TABLE 3: COURSES, COURSE CONTENTS AND CREDITS FOR FIRST SEMESTER

COURSE TITLE	CONTENTS	COURSE CREDITS (Total = 40)
FIRST SEMESTER:		
OGRH 811	Reproductive Health: Introduction and Foundation	2
OGRH 812	Reproductive Health: Anatomy and Physiology of the Reproductive system	3
OGRH 813	Social Sciences; Behavioural and Social Dimensions to Reproductive Health	2
OGRH 814	Reproductive Health Issues: Maternal Morbidity and Mortality; Safe Motherhood including fetal surveillance and perinatal mortality	3
OGRH 815	Concepts and Practice of Emergency Obstetric Care	2
OGRH 816	Reproductive Health Issues: Adolescent Sexuality including HIV/AIDS and other sexually transmitted diseases	2
OGRH 817	Principles and Practice of Epidemiology in Reproductive Health	2
OGRH 818	Reproductive Health Issues: Fertility and Infertility in a developing economy; Contraception; Population, Development and Counseling	2
OGRH 819	Health Economics for Developing Countries	2
OGRH 899	Research Project Thesis (preliminaries – proposals, literature reviews, Seminars and data collection commenced in this semester)	0
TOTAL CREDITS		20

TABLE 4: COURSES, COURSE CONTENTS AND CREDITS FOR SECOND SEMESTER

Year 1	SECOND SEMESTER:	COURSE CREDITS
OGRH 820	Reproductive Health Issues: Gynaecological and Breast Cancers	3
OGRH 821	Reproductive Health Laws, Ethical Issues in Reproductive Health	2
OGRH 822	Abortion, post- abortion care and Abortion Debate	2
OGRH 823	Evidence Based Medicine in Reproductive Health, Research Ethics, Research design and Research Methodology	3
OGRH 824	Planning, Monitoring and Evaluation of Reproductive Health Programmes	2
OGRH825	Health statistics with Computing	2
OGRH 899	Research Project Thesis (continued – Seminars, data collection, analysis and defence)	6
	TOTAL CREDITS	20

COURSE DESCRIPTION

OGRH 811: Reproductive Health: Introduction and Foundation 2 Credits

The concept of Reproductive Health: foundations in Reproductive Health; safe motherhood; Adolescent Reproductive Health; unsafe abortion sexuality; gender issues; prostitution and trafficking; social, political and behavioural aspects of Reproductive Health.

OGRH 812: Reproductive Health: Anatomy and Physiology 3 Credits

Definitions; Basic anatomy and physiology: hypothalamic-pituitary control of reproduction, gonadal physiology – the testis and ovary, the uterus, pregnancy, parturition; infertility/fertility – assisted reproduction, fertility control; abortion.

OGRH 813: Social Sciences; Behavioural and Social Dimensions to Reproductive Health
2 Credits

Introduction to social science methods in Reproductive Health; survey research; experimental participant and non-participant research; community health survey; focus group discussion etc; Integrating social sciences viz social anthropology, sociology and psychology into the field of reproductive health; socio-cultural influence on Reproductive Health.

OGRH 814: Reproductive Health Issues: Maternal Morbidity and Mortality; Safe Mother-hood
2Credits

Introduction, what is maternal morbidity? The causes of maternal morbidity/mortality, what can be done to reduce maternal morbidity/mortality including the concept of safe motherhood?

OGRH 815: Fertility Counseling, Concepts of Emergency Obstetric Care
2 Credits

Introduction to fertility counseling family planning, sexually transmitted infection prevention etc including a 2 week posting at the Family Planning Clinic. Introduction to the concepts of Emergency Obstetric Care (EmOC); establishment, organization and provision of services and sustainable revolving loan schemes. This will include a 2 week posting at the Emergency Unit of the Department of Obstetrics and Gynaecology, University of Benin Teaching Hospital.

OGRH 816: Reproductive Health Issues: Adolescent Sexuality including HIV/AIDS
2 Credits

Adolescence: definition, peculiarities, Reproductive Health problems/needs, models of Adolescent Reproductive Health programmes; HIV/AIDS and other sexually transmitted diseases: epidemiology, socio-cultural and Reproductive Health implication, prevention/treatment.

OGRH 817: Principles and Practice of Epidemiology in Reproductive Health
2 Credits General

methods for describing the health of populations; principles and relative merits of different study designs and the appropriate methods for analysis; sources of bias in epidemiological studies and methods available to deal with them; epidemiological methods and their application in Reproductive Health; emerging trends in epidemiology.

OGRH 818: Reproductive Health Issues: Fertility and Infertility; Contraception; Population and Development 2 Credits

Fertility and infertility; basic demographic principles; population dynamics; population trends and its modification; family demography and fertility regulation; morbidity and mortality.

OGRH 819: Health Economics and Policy for Developing Countries 2 Credits

Basic economic principles; economy and health; health budgeting and finance models; sustainable health financing; national health financing scheme/national health insurance scheme. Management principles and models; politics and health.

OGRH 820: Reproductive Health Issues: Gynaecological and Breast Cancers 3 Credits

Gynaecological and breast cancers: epidemiology, presentation, prevention cum early detection (screening) programmes, socio-economic effects.

OGRH 821: Reproductive Health Laws, Ethical Issues in Reproductive Health and Ethical Issues in Reproductive Health 2 Credits

Legislations related to or affecting reproductive health: assessment of various nations' legislations inimical/beneficial to Reproductive Health; influencing legislation to benefit Reproductive Health. Ethical issues in the practice of Reproductive health, ethic committee formation and activities/role.

OGRH 822: Abortion, Post- abortion care and Abortion Debate 2 Credits

Abortion, Post- abortion care; Abortion debate: abortion as a contraceptive method-views, reality, risks, and future; abortion as backup for contraceptive failure; religious and socio-cultural influences; cost-benefit balance of contraception and abortion.

OGRH 823: Research Ethics and Research Methodology 3 Credits

This course shall address all relevant components of Ethics in Research design and methods in human subjects. This include qualitative and quantitative research,

ecological research, counseling, research proposals and types of research; purpose of research, research process, data process, interpretation of results, report writing and dissemination of results, grant application and management. Evidence Based Medicine in Reproductive Health. International codes of ethical conduct in research,

OGRH 824: Planning, Monitoring and Evaluation of Reproductive Health Programmers **2 Credits**

Peculiarities of Reproductive Health programmes, essentials of planning, monitoring and evaluation, advantages and disadvantages of the models of monitoring and evaluation, evolving concepts in monitoring and evaluation.

OGRH 825: Health Statistics with Computing **2 Credits**

Numeracy in healthcare/medicine; health/vital statistics; data presentation, probability theory and application; test of significance etc; computer applications in medicine; problems and prospects of computers in medicine.

PRACTICUM

There shall be at least one month internship in industries

OGRH 899: Research Project **6 Credits**

Each candidate is to carry out a research project in any aspect of Reproductive Health. The aim is to give students an opportunity to apply and contribute to knowledge in Reproductive Health. Seminars shall be presented by the students at relevant stages of the project under the supervision of the supervisors (at least one internal and one external/regional or international) to the departmental board of postgraduate studies comprising all academic staff and supervisors. The preliminaries of the Research Project Thesis will commence in the first semester; proposals, literature reviews, Seminars and data collection shall commenced in the first semester and continued in the second trimester.

On completion of the project, there shall be project-defense before a well constituted body of examiners (internal and external) as stipulated by the University of Benin regulations for the award of postgraduate degrees.

ACADEMIC STAFF LIST

Serial No.	Resource Persons	Qualifications	Status	Department / Institutions/ Area of Specialization
Internal (Department of Obstetrics and Gynaecology, University of Benin, Benin City)				
1.	Prof. E.E. Okpere	MBBS, FRCOG, FMCOG, FWACS, FICS, D. Sc (Hons)	Professor	Maternal Fetal Medicine
2.	Prof. A.A.E. Orhue	MBBS, FRCOG, FMCOG, FWACS, FICS	Professor	Endocrinology and Infertility
3.	Prof. F.E. Okonofua	B.Sc, MB.CHB, FRCOG, FMCOG, FWACS, FICS , PhD, FAS	Professor	Oncology, Urogynaecology and Reproductive Health
4.	Prof. (Mrs.) A.O. Aisien	MBBS, FMCOG, FICS	Professor	Fertility Counseling and Management
5.	Prof. E.P. Gharoro	MBBS, FWACS , FMCOG, FICS	Professor	Oncology, Urogynaecology
6.	Prof. A.B.A. Ande	B.Sc (Hons), MB.CHB, FWACS, FICS, MPH	Professor	Maternal Fetal Medicine
7.	Prof. M.E. Aziken	MBBS, FWACS , FMCOG, MPH, D.MAS, Cert Sonography	Professor	Endocrinology and Infertility
8.	Prof. J.U.E. Onakewhor	MBBS, M. Sc, MPH, FWACS , FICS	Professor	Maternal- Fetal Medicine
9.	Dr. A.E. Ehigiegba	MBBS, MRCOG, FWACS	Associate Professor	Fertility Counseling and Management

10.	Dr. C.A. Okonkwo	MBBS, FMCOG, FICS	Associate Professor	Oncology, Urogynaecology
11.	Dr. (Mrs.) P. A. Osemwenkhai	MBBS, FWACS , FICS, D.MAS, Cert Sonography	Senior Lecturer	Endocrinology and Infertility
12.	Dr. J.A. Osaikhuwuomwan	MBBS, FWACS, FMCOG	Senior Lecturer	Endocrinology and Infertility
13.	Dr. E. Enabudoso	MBBS, FMCOG, FWACS, MPH, Cert Fetal Med.	Lecturer 1	Maternal- Fetal Medicine

Staff Outside the Department Obstetrics and Gynaecology but in School of Medicine

14.	Prof. (Mrs.) O.H. Okojie	MBBS, FMCPH, FWACP	Professor	Department of Community Health
15.	Prof. (Mrs.) A.O. Isah	MBBS, M. Sc, FMCPH, FWACP	Professor	Department of Community Health
16.	Prof. (Mrs.) A.N. Ofili	MBBS, FWACP, FMCP	Professor	Department of Community Health
17.	Dr. O. Adeleye	MBBS, MHPM, MPH, M.Sc, FWACP	Associate Professor	Department of Community Health
18.	Dr. J. Chiwuzie	MBBS, MPH, FWACP	Associate Professor	Department of Community Health
19.	Prof. M.N. Okobia	MBBS, FWACS, PhD	Professor	Department of Surgery
20.	Prof. M. Momoh	MBBS, FWACS	Professor	Department of Surgery
21.	Prof. V.I Iyawe	MBBS, PhD	Professor	Department of Physiology
22.	Prof. M.I. Ebowonyi	B.SC, PhD	Professor	Department of Physiology
23.	Dr. F.O. Agoreyo	BDS, M,Sc,	Senior Lecturer	Department of Physiology

24.	Prof. Baxter Grillo	MBBS, M.S, PhD	Professor	Department of Anatomy
25.	Dr. C.L. Sakpa	MBBS, PhD	Lecturer 1	Department of Anatomy
26.	Dr. J.E. Atamah	MBBS, M.Sc,	Lecturer 1	Department of Anatomy
Staff Outside the College of Medical Sciences but in the University of Benin, Benin City				
27.	Prof. C.F. Okolocha	B,Sc, M. Sc, PhD	Professor	Department of Sociology & Anthropology
28.	Prof. Omozefe	PhD	Professor	Department of Gender Studies
29.	Prof. (Mrs.) R.U. Obi	Phd	Professor	Department of Sociology & Anthropology
30.	Prof. (Mrs.) K. Eghafona	PhD	Professor	Department of Sociology & Anthropology
31.	Prof. (Mrs.) G.N. Vincent-Osaghae	B. Sc, M. Sc, PhD	Professor	Department of Sociology & Anthropology- Medical Sociology
32.	Dr. Bar. (Mrs.) Aniekwu	LLM, PhD , Dip (Intl Human Rights)	Associate Professor	Department of Public Health Law
33.	Bar. (Mrs.) Onuoha	LLM, PhD	Associate Professor	Department of Private and Property Law
34.	Prof. Anthony Ogbeibu	PhD	Professor	Department of Environmental Biology, University of Benin
35.	Prof. S.U. Ogbonmwan	B.Sc, M. Sc, DIC, PhD	Professor	Department of Statistics/ Mathematics/Computer Studies
36.	Prof. S.E. Omosigho	B. Sc, M.Sc, MBA, PhD	Professor	Department of Statistics/ Mathematics/Computer Studies
37.	Prof. Osa Osemwota	PhD	Professor	Department of Health Planning and Management

38.	Prof. (Mrs.) O. Okoro	PhD	Professor	Department of Education
39.	Dr. O.O. Omokhodu	PhD	Professor	Department of Accounting
Externals (National)				
40.	Prof. I.F. Adewole	M.BBS, FWACS, FMCOG	Professor	Department of Obstetrics and gynaecology, University of Ibadan
41.	Prof. A. Oladokun	M.BBS, FWACS, FMCOG	Professor	Department of Obstetrics and gynaecology, University of Ibadan
42.	Dr. A. Fawole	M.BBS, FWACS, FMCOG	Senior Lecturer	Department of Obstetrics and gynaecology, University of Ibadan
External (Regional International)				
43.	Professor Richard Adanu	MBBS, FWACS, MPH	Professor	Department of Obstetrics and Gynecology, University of Ghana
44.	Prof. Rene Xanvier Rerrin	MD. PG Fellowship (O&G)	Professor	Department of Obstetrics and Gynaecology, Dabomey Calavi University, Cotonou
45.	Prof. Lut Geerts	B.Sc, MRCOG	Professor	Stallenbosch University, South Africa
External (Non-Regional International)				
46.	Prof Ana Langer	PhD	Professor	Harvard School of Public Health, Boston, USA
47.	Emeritus Prof. Rebecca Cooke	C.M, J.D., F.R.S.C	Professor	Reproductive Health Law program, University of Toronto

48.	Dr. Man Charurat,	PhD	Associate Professor	Institute of Human Virology, University of Maryland (IHV-UMB), Baltimore, USA Epidemiologist
49.	Prof. A. Odibo	MBBS, MD, MSE	Professor	Department of Obstetrics and Gynaecology, Washington University School of Medicine
50.	Prof. Jeremy Shiffman,	PhD	Professor	Department of Public Health, School of Medicine, Washington University, USA
51.	Prof. Malcolm Potts	PhD; FRCOG	Professor	University of California
52.	Prof. Staffan Bergstrom	FRCOG; PhD	Professor	Department of Obstetrics and Gynaecology University of Stockholm, Sweden
53.	Prof Andrzej Kulczycki	MD, PhD	Professor	University of Alabama at Birmingham, USA
54.	Prof Julia Hussein,	PhD; FRCOG	Professor	University of Aberdeen, Scotland , UK

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

SCHOOL OF MEDICINE

COLLEGE OF MEDICAL SCIENCES

Curriculum for the Award of

DOCTOR OF PHILOSOPHY (PH.D) DEGREE

IN

REPRODUCTIVE HEALTH

PHD DEGREE IN REPRODUCTIVE HEALTH

PREAMBLE

Reproductive health is defined as a condition in which the reproductive process is accomplished in a state of complete physical, mental and social well being and not merely the absence of disease or disorders of the reproductive process. It involves the study of subjects related to the normal and abnormal structures and functions, including the various ways in which normal and abnormal structure and functions, biological and socio-economic factors affect the reproductive process, normal growth and development. Reproductive health is a broad based; multidisciplinary approach is required to effectively tackle the various aspects of reproductive health.

Hitherto, reproductive health issues were either ill defined or were regarded as yet another term for Obstetrics and Gynaecology. For example, in the early eighties, although the concept of reproductive health had evolved, it was essentially limited to issues of contraception and fertility control. For this reason, reproductive health training and its parameters were limited largely to the undergraduate curriculum of Medical students only. Nevertheless, more than ever before, reproductive health and related issues have become an increasingly important aspect of health development. Rapid population increase, dwindling economic resources and the emergence of the HIV/AIDS pandemic underscore clearly the need to redefine our training protocols and area of emphasis. This perhaps explains the rather unfortunate new and emerging concept that reproductive health almost exclusively relates to demography, population dynamics and social medicine. For a developing country like Nigeria, this trend is unacceptable. While the training of students needs to be modified with increased emphasis on the social and population aspects of Obstetric and Gynaecological care, training of a new set of manpower with adequate emphasis on all the components of reproductive health is now desirable.

PHILOSOPHY OF THE PROGRAMME

The PhD programme in reproductive health aspires to train students to international standards. Those trained will be better equipped to consider socio-cultural peculiarities in implementing programmes to improve the reproductive health in Nigeria, West Africa, Africa and the entire world.

PROGRAMME AIMS

The PhD reproductive health course in addition to the objectives of the M. Sc reproductive health, is geared towards preparing students for advances research and academic career in reproductive health.

GENERAL OBJECTIVES

The PhD degree course is designed in such a way that it is of high quality and able to compete internationally. The products of the course should be able to provide high quality training to junior and middle level manpower in academics and health care institutions. Also, the product should be able to carry out high quality applied research and provide competent managerial capacity for intervention programmes that contribute to the provision of high quality reproductive health services that will lead to reduction of maternal and childhood mortality.

EXPECTED LEARNING OUTCOMES

1. Understanding the reproductive health challenges: Obstetric morbidity and mortality, unsafe motherhood; unwanted pregnancies; reproductive tract diseases including cancers, sexually transmitted infections, gender issues, adolescence, the concept of planning for family which consist of family planning and infertility treatment.
2. Obtaining skills for analyzing the determinants and consequences of reproductive ill health: epidemiology, statistics, demography and social science.
3. Ability to design research interventions focused on improving reproductive health through services and policies emphasizing preventive measures and mindful of socio-cultural peculiarities.
4. Acquisition of skills in protocol design, grant application and presentations of research findings, monitoring and evaluation of reproductive health programmes.

PROGRAMME TITLE

Doctor of Philosophy (PhD) in Reproductive Health

ADMISSION REQUIREMENTS

1. M. Sc in reproductive health or MBBS /BDS Degree from the University of Benin or any of these degrees from universities recognised by the

University of Benin, Benin City Nigeria. Also acceptable are Masters degree's in relevant fields (e.g Maternal, Child or Public Health) from the University of Benin or any other universities recognised by the University of Benin.

2. Candidates that have no Masters degree will be required to take courses meant for the Masters programme in the first year. This shall however be without thesis. To continue with the PhD course in the second year, the candidate must have an average score of 60% at the end of the first year.
3. A candidate with Masters degree will be qualified for admission into the PhD Reproductive Health course only if he/she has an average score of 60% or letter B in the Masters degree.
4. Candidates will be expected to pass a written and oral exam to be conducted by the Department of Obstetrics and Gynaecology

PROGRAMME DURATION

The duration of the programme is a minimum of 24months and maximum of 48months

CONDITIONS FOR GRADUATION

1. The candidate must pass an oral defence for the completed dissertation/thesis in line with the guidelines of the Postgraduate School.
2. Meet all the requirements as stipulated in the regulations of the University's School of Postgraduate studies.

CONDITIONS FOR WITHDRAWAL

A student who fails to complete the programme in 5 academic sessions will be required to withdraw.

TABLE 3: COURSES, COURSE CONTENTS AND CREDITS FOR FIRST SEMESTER

COURSE TITLE	CONTENTS	COURSE CREDITS (Total = 40)
FIRST SEMESTER:		

OGRH 811	Reproductive Health: Introduction and Foundation	2
OGRH 812	Reproductive Health: Anatomy and Physiology of the Reproductive system	3
OGRH 813	Social Sciences; Behavioural and Social Dimensions to Reproductive Health	2
OGRH 814	Reproductive Health Issues: Maternal Morbidity and Mortality; Safe Motherhood including fetal surveillance and perinatal mortality	3
OGRH 815	Concepts and Practice of Emergency Obstetric Care	2
OGRH 816	Reproductive Health Issues: Adolescent Sexuality including HIV/AIDS and other sexually transmitted diseases	2
OGRH 817	Principles and Practice of Epidemiology in Reproductive Health	2
OGRH 818	Reproductive Health Issues: Fertility and Infertility in a developing economy; Contraception; Population, Development and Counseling	2
OGRH 819	Health Economics for Developing Countries	2
OGRH 899	Research Project Thesis (preliminaries – proposals, literature reviews, Seminars and data collection commenced in this semester)	0
TOTAL CREDITS		20

TABLE 4: COURSES, COURSE CONTENTS AND CREDITS FOR SECOND SEMESTER

Year 1	SECOND SEMESTER:	COURSE CREDITS
OGRH 820	Reproductive Health Issues: Gynaecological and Breast Cancers	3
OGRH 821	Reproductive Health Laws, Ethical Issues in Reproductive Health	2
OGRH 822	Abortion, post- abortion care and Abortion Debate	2
OGRH 823	Evidence Based Medicine in Reproductive Health, Research Ethics, Research design and Research Methodology	3
OGRH 824	Planning, Monitoring and Evaluation of Reproductive Health Programmes	2
OGRH825	Health statistics with Computing	2
OGRH 899	Research Project Thesis (continued – Seminars, data collection, analysis and defence)	6
	TOTAL CREDITS	20

COURSE DESCRIPTION

OGRH 811: Reproductive Health: Introduction and Foundation
2 Credits

The concept of Reproductive Health: foundations in Reproductive Health; safe motherhood; Adolescent Reproductive Health; unsafe abortion sexuality; gender issues; prostitution and trafficking; social, political and behavioural aspects of Reproductive Health.

OGRH 812:Reproductive Health: Anatomy and Physiology 3 Credits

Definitions; Basic anatomy and physiology: hypothalamic-pituitary control of reproduction, gonadal physiology – the testis and ovary, the uterus, pregnancy, parturition; infertility/fertility – assisted reproduction, fertility control; abortion.

OGRH 813:Social Sciences; Behavioural and Social Dimensions to Reproductive Health 2 Credits

Introduction to social science methods in Reproductive Health; survey research; experimental participant and non-participant research; community health survey; focus group discussion etc; Integrating social sciences viz social anthropology, sociology and psychology into the field of reproductive health; socio-cultural influence on Reproductive Health.

OGRH 814:Reproductive Health Issues: Maternal Morbidity and Mortality; Safe Motherhood 2Credits

Introduction, what is maternal morbidity? The causes of maternal morbidity/mortality, what can be done to reduce maternal morbidity/mortality including the concept of safe motherhood?

OGRH 815: Fertility Counseling, Concepts of Emergency Obstetric Care 2 Credits

Introduction to fertility counseling family planning, sexually transmitted infection prevention etc including a 2 week posting at the Family Planning Clinic. Introduction to the concepts of Emergency Obstetric Care (EmOC); establishment, organization and provision of services and sustainable revolving loan schemes. This will include a 2 week posting at the Emergency Unit of the Department of Obstetrics and Gynaecology, University of Benin Teaching Hospital.

OGRH 816:Reproductive Health Issues: Adolescent Sexuality including HIV/AIDS 2 Credits

Adolescence: definition, peculiarities, Reproductive Health problems/needs, models of Adolescent Reproductive Health programmes; HIV/AIDS and other sexually transmitted diseases: epidemiology, socio-cultural and Reproductive Health implication, prevention/treatment.

**OGRH 817: Principles and Practice of Epidemiology in Reproductive Health
2 Credits**

General methods for describing the health of populations; principles and relative merits of different study designs and the appropriate methods for analysis; sources of bias in epidemiological studies and methods available to deal with them; epidemiological methods and their application in Reproductive Health; emerging trends in epidemiology.

**OGRH 818: Reproductive Health Issues: Fertility and Infertility; Contraception; Population and Development
2 Credits**

Fertility and infertility; basic demographic principles; population dynamics; population trends and its modification; family demography and fertility regulation; morbidity and mortality

**OGRH 819: Health Economics and Policy for Developing Countries
2 Credits**

Basic economic principles; economy and health; health budgeting and finance models; sustainable health financing; national health financing scheme/national health insurance scheme. Management principles and models; politics and health.

**OGRH 820: Reproductive Health Issues: Gynaecological and Breast Cancers
3 Credits**

Gynaecological and breast cancers: epidemiology, presentation, prevention cum early detection (screening) programmes, socio-economic effects.

**OGRH 821: Reproductive Health Laws, Ethical Issues in Reproductive Health
and Ethical Issues in Reproductive Health
2 Credits**

Legislations related to or affecting reproductive health: assessment of various nations' legislations inimical/beneficial to Reproductive Health; influencing legislation to benefit Reproductive Health. Ethical issues in the practice of Reproductive health, ethics committee formation and activities/role

**OGRH 822: Abortion, Post- abortion care and Abortion Debate
2 Credits**

Abortion, Post- abortion care; Abortion debate: abortion as a contraceptive method-views, reality, risks, and future; abortion as backup for contraceptive failure; religious and socio-cultural influences; cost-benefit balance of contraception and abortion.

**OGRH 823: Research Ethics and Research Methodology
3 Credits**

This course shall address all relevant components of Ethics in Research design and methods in human subjects. This include qualitative and quantitative research, ecological research, counseling, research proposals and types of research; purpose of research, research process, data process, interpretation of results, report writing and dissemination of results, grant application and management. Evidence Based Medicine in Reproductive Health. International codes of ethical conduct in research,

**OGRH 824: Planning, Monitoring and Evaluation of Reproductive Health Programmers
2 Credits**

Peculiarities of Reproductive Health programmes, essentials of planning, monitoring and evaluation, advantages and disadvantages of the models of monitoring and evaluation, evolving concepts in monitoring and evaluation.

**OGRH 825: Health Statistics with Computing
2 Credits**

Numeracy in healthcare/medicine; health/vital statistics; data presentation, probability theory and application; test of significance etc; computer applications in medicine; problems and prospects of computers in medicine.

PRACTICUM

There shall be at least one month internship in industries

**OGRH 899: Research Project
6 Credits**

Each candidate is to carry out a research project in any aspect of Reproductive Health. The aim is to give students an opportunity to apply and contribute to knowledge in Reproductive Health. Seminars shall be presented by the students at relevant stages of the project under the supervision of the supervisors (at least one internal and one external/regional or international) to the departmental board of postgraduate studies comprising all academic staff and supervisors. On completion of the project, there shall be project-defense before a well constituted body of examiners (internal and external) as stipulated by the University of Benin regulations for the award of post-graduate degrees.

DISSERTATION/THESIS PROPOSAL

A candidate is expected to have considered a major research problem, in form of a research question, for their dissertation/thesis the prior to commencing or within the first semester of the programme. This concept should be in applied research and should be developed into clearly stated objectives around which they are to conduct a systematic review. This will serve as a precursor to a full dissertation proposal by the end of their first year of study. The systematic review should be such that it is suitable for publication in a reputable academic journal. Below is the time table for the programme

1st Semester

- (a) The candidate should have chosen a Proposal for the PhD thesis. He/she should have conducted and submitted a systematic review of literature related to the intended dissertation. The Proposal and systematic review of literature shall be presented to the Departmental Postgraduate Committee as a seminar for consideration.
- (b) When satisfied, the Departmental Postgraduate Committee shall assign three reviewers for the systematic review.
- (c) During this semester, candidates shall update their knowledge through lectures on Research Ethics and Research Methodology

2nd Semester

- (a). The student prepares a final copy of the systematic review, following the reviewers' comments and submits it to the Departmental Postgraduate Committee for consideration. On the committee's satisfactory assessment and on the advice of the reviewers, the candidate shall be granted approval to proceed with developing and submitting a dissertation proposal.
- (b) The candidate develops and submits a draft dissertation proposal to the departmental Postgraduate committee.
- (c) The Departmental Postgraduate Committee recommends to the School of Postgraduate Studies (through the School of Medicine Board of Studies and College Academic Board) two supervisor for the dissertation. One of these supervisors shall be a regional or international academic staff
- (d) The supervisors shall determine that the proposal is good enough to undergo a review process.

- (e) The supervisor sends the draft proposal for review by three reviewers, at least two of whom shall be professors in recognised Universities.
- (f) The candidate makes changes to the proposal, if indicated. With the assistance of the supervisor, the student seeks an ethical approval for the intended research from the relevant Ethics and research committee in line with the provisions of the National Code of Health Research Ethics.
- (g) Approval of the School of Postgraduate Studies for the title and dissertation
- (h) The candidate presents the proposal to the Department as a doctoral seminar
- (i) The candidate commences field work on the dissertation.

3rd Semester

- (a). The candidate shall present preliminary report of the of the field work to the Department for evaluation.

4th Semester

- (a) The candidate shall present final report of the thesis and prepare for its defense.
- (b). Defense of the Thesis

ACADEMIC STAFF LIST

Serial No.	Resource Persons	Qualifications	Status	Department / Institutions/ Area of Specialization
Internal (Department of Obstetrics and Gynaecology, University of Benin, Benin City)				
1.	Prof. E.E. Okpere	MBBS, FRCOG, FMCOG, FWACS, FICS, D. Sc (Hons)	Professor	Maternal Fetal Medicine
2.	Prof. A.A.E. Orhue	MBBS, FRCOG, FMCOG, FWACS, FICS	Professor	Endocrinology and Infertility
3.	Prof. F.E. Okonofua	B.Sc, MB.CHB, FRCOG, FMCOG, FWACS, FICS, PhD, FAS	Professor	Oncology, Urogynaecology and Reproductive Health
4.	Prof. (Mrs.) A.O. Aisien	MBBS, FMCOG, FICS	Professor	Fertility Counseling and Management
5.	Prof. E.P. Gharoro	MBBS, FWACS, FMCOG, FICS	Professor	Oncology, Urogynaecology
6.	Prof. A.B.A. Ande	B.Sc (Hons), MB.CHB, FWACS, FICS, MPH	Professor	Maternal Fetal Medicine
7.	Prof. M.E. Aziken	MBBS, FWACS, FMCOG, MPH, D.MAS, Cert	Professor	Endocrinology and Infertility

		Sonography		
8.	Prof. J.U.E. Onakewhor	MBBS, M. Sc, MPH, FWACS FICS	Professor	Maternal- Fetal Medicine
9.	Dr. A.E. Ehigiegba	MBBS, MRCOG, FWACS	Associate Professor	Fertility Counseling and Management
10.	Dr. C.A. Okonkwo	MBBS, FMCOG, FICS	Associate Professor	Oncology, Urogynaecology
11.	Dr. (Mrs.) P. A. Osemwenkhai	MBBS, FWACS FICS, D.MAS, Cert Sonography	Senior Lecturer	Endocrinology and Infertility
12.	Dr. J.A. Osaikhuwuomwan	MBBS, FWACS, FMCOG	Senior Lecturer	Endocrinology and Infertility
13.	Dr. E. Enabudoso	MBBS, FMCOG, FWACS, MPH, Cert Fetal Med.	Lecturer 1	Maternal- Fetal Medicine
Staff Outside the Department Obstetrics and Gynaecology but in School of Medicine				
14.	Prof. (Mrs.) O.H. Okojie	MBBS, FMCPH, FWACP	Professor	Department of Community Health
15.	Prof. (Mrs.) A.O. Isah	MBBS, M. Sc, FMCPH, FWACP	Professor	Department of Community Health
16.	Prof. (Mrs.) A.N. Ofili	MBBS, FWACP, FMCP	Professor	Department of Community Health

17.	Dr. O. Adeleye	MBBS, MHPM, MPH, M.Sc, FWACP	Associate Professor	Department of Community Health
18.	Dr. J. Chiwuzie	MBBS, MPH, FWACP	Associate Professor	Department of Community Health
19.	Prof. M.N. Okobia	MBBS, FWACS, PhD	Professor	Department of Surgery
20.	Prof. M. Momoh	MBBS, FWACS	Professor	Department of Surgery
21.	Prof. V.I Iyawe	MBBS, PhD	Professor	Department of Physiology
22.	Prof. M.I. Ebowonyi	B.SC, PhD	Professor	Department of Physiology
23.	Dr. F.O. Agoreyo	BDS, M,Sc,	Senior Lecturer	Department of Physiology
24.	Prof. Baxter Grillo	MBBS, M.S, PhD	Professor	Department of Anatomy
25.	Dr. C.L. Sakpa	MBBS, PhD	Lecturer 1	Department of Anatomy
26.	Dr. J.E. Atamah	MBBS, M.Sc,	Lecturer 1	Department of Anatomy
Staff Outside the College of Medical Sciences but in the University of Benin, Benin City				
27.	Prof. C.F. Okolocha	B,Sc, M. Sc, PhD	Professor	Department of Sociology & Anthropology
28.	Prof. Omozefe	PhD	Professor	Department of Gender Studies
29.	Prof. (Mrs.) R.U. Obi	Phd	Professor	Department of Sociology & Anthropology
30.	Prof. (Mrs.) K.	PhD	Professor	Department of Sociology & Anthropology

	Eghafona			
31.	Prof. (Mrs.) G.N. Vincent-Osaghae	B. Sc, M. Sc, PhD	Professor	Department of Sociology & Anthropology-Medical Sociology
32.	Dr. Bar. (Mrs.) Aniekwu	LLM, PhD , Dip (Intl Human Rights)	Associate Professor	Department of Public Health Law
33.	Bar. (Mrs.) Onuoha	LLM, PhD	Associate Professor	Department of Private and Property Law
34.	Prof. Anthony Ogbeibu	PhD	Professor	Department of Environmental Biology, University of Benin
35.	Prof. S.U. Ogbonmwan	B.Sc, M. Sc, DIC, PhD	Professor	Department of Statistics/Mathematics/Computer Studies
36.	Prof. S.E. Omosigho	B. Sc, M.Sc, MBA, PhD	Professor	Department of Statistics/Mathematics/Computer Studies
37.	Prof. Osa Osemwota	PhD	Professor	Department of Health Planning and Management
38.	Prof. (Mrs.) O. Okoro	PhD	Professor	Department of Education
39.	Dr. O.O. Omokhudu	PhD	Professor	Department of Accounting
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41.	Prof. A. Oladokun	M.BBS, FWACS, FMCOG	Professor	Department of Obstetrics and gynaecology, University of Ibadan
42.	Dr. A. Fawole	M.BBS, FWACS, FMCOG	Senior Lecturer	Department of Obstetrics and gynaecology, University of Ibadan
External (Regional International)				
43.	Professor Richard Adanu	MBBS, FWACS, MPH	Professor	Department of Obstetrics and Gynecology, University of Ghana
44.	Prof. Rene Xanvier Rerrin	MD. PG Fellowship (O&G)	Professor	Department of Obstetrics and Gynaecology, Dabomey Calavi University, Cotonou
45.	Prof. Lut Geerts	B.Sc, MRCOG	Professor	Stallenbosch University, South Africa
External (Non-Regional International)				
46.	Prof Ana Langer	PhD	Professor	Harvard School of Public Health, Boston, USA
47.	Emeritus Prof.	C.M, J.D.,	Professor	Reproductive Health Law

	Rebecca Cooke	F.R.S.C		program, University of Toronto
48.	Dr. Man Charurat,	PhD	Associate Professor	Institute of Human Virology, University of Maryland (IHV-UMB), Baltimore, USA Epidemiologist
49.	Prof. A. Odibo	MBBS, MD, MSE	Professor	Department of Obstetrics and Gynaecology, Washington University School of Medicine
50.	Prof. Jeremy Shiffman,	PhD	Professor	Department of Public Health, School of Medicine, Washington University, USA
51.	Prof. Malcolm Potts	PhD; FRCOG	Professor	University of California
52.	Prof. Staffan Bergstrom	FRCOG; PhD	Professor	Department of Obstetrics and Gynaecology University of Stockholm, Sweden
53.	Prof Andrzej Kulczycki	MD, PhD	Professor	University of Alabama at Birmingham, USA
54.	Prof Julia Hussein,	PhD; FRCOG	Professor	University of Aberdeen, Scotland , UK

**DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY
SCHOOL OF MEDICINE
COLLEGE OF MEDICAL SCIENCES**

**CURRICULUM FOR
SHORT TERM COURSES
FOR THE AWARD OF CERTIFICATES
IN
REPRODUCTIVE HEALTH

UNIVERSITY OF BENIN**

SHORT TERM COURSES IN REPRODUCTIVE HEALTH

PREAMBLE

High maternal and child mortality from preventable causes has continued to be a major public health challenge to both government and the society in general. Nigeria has one of the worst indices of reproductive health in the world. High parity, ante-partum and post partum haemorrhages, eclampsia, obstructed labour and its sequelae, post-partum infections, and complications from induced and septic abortions from unwanted pregnancies are some of the leading causes of the high rates of maternal and perinatal morbidities and mortalities.

The short term courses in reproductive health in thematic areas of Obstetrics and Gynaecology are designed to equip and enhance the knowledge base of health care providers in private and public health facilities and institutions and makers of policies on reproductive health to institute appropriate interventions targeted at the factors associated with poor maternal and child health indices in Nigeria and the West African sub-region.

PROGRAMME TITLE:

Certificates of attendance shall be awarded in reproductive health in the thematic areas listed below.

Entry Qualification

1. Diploma in nursing, RM, RN
2. Bachelors degree in Health Sciences from any recognised university
3. First degree in Medicine

Conditions for the award of the Certificates

To obtain a certificate of attendance, a candidate must have at least 70% attendance in all sections of the course.

1. CERTIFICATE IN FAMILY PLANNING METHODS

This is a minimum of 40-hour certificate course made up of at least 20hours of lectures and 20hours of practicum. The course content includes various types of family planning types, reversible and irreversible methods, surgical procedures, and counseling techniques and follow-up methods.

LECTURES

1. Overview of Family Planning in Nigeria- (*Module 1*)
2. Product Profile and Medical Eligibility Criteria for CuT 380A (*Module 2: Session 1*)
3. Product Profile and Medical Eligibility Criteria for Jadelle^R, Zarin^R and Implanon^R (*Module 2: Session 2*)
4. Product Profile and Medical Eligibility Criteria for Jadelle^R, Zarin^R and Implanon^R (*Module 2: Session 2*)
5. Observations of Clinical Demonstration of IUD and Implant Insertions by Trainers/Preceptors
6. Using Learning Guides during Model and Clinical Practice (*Module 3*)
7. Brief Reproductive Anatomy, Physiology of the Female Menstrual Cycle and the Concept of Safe Fertile Period
8. IUD Insertion Techniques/Practice on Arm Models (*Module 4: Session 1*)
9. Sexually Transmitted Infections/Pelvic Inflammatory Disease: Prevention and Treatment.
10. Syndromic Approach to STI/PID Diagnosis & Management
11. Implant Insertion Techniques and Model Practice (*Module 4: Session 2*)
12. Demonstration and Clinical Practice (*Module 5*)
13. Introduction to Counseling (*Module 6: Session 1*)
14. The Balanced Counseling Strategy Plus (*Module 6: Session 2*)
15. Medical Emergency Management
16. Implant Removal Techniques (*Module 4: Session 3*)
17. Demonstration and Clinical Practice (*Module 5*)
18. Reflections from Clinical Practice Sessions
19. IUD Removal Techniques (*Module 4: Session 4*)
20. Management of Complications arising from Use of IUDs (*Module 7: Session 1*)
21. Management of Complications arising from Use Implants (*Module 7: Session 2*)
22. Infection Prevention Practices: Hand washing and Gloving (*Module 8: Session 1*)

23. Infection Prevention Practices: Disinfection and Sterilization (*Module 8: Session 2*)
24. Infection Prevention Practices: Disposal of Sharps and Wastes (*Module 8: Session 3*)
25. Infection Prevention Practices: *Demonstration of MSN Standards*
26. Record Keeping and Management Information System (MIS) (*Module 9: Session1*)
27. Contraceptive Logistics Management System (MIS) (*Module 9: Session 2*)
28. Clinic Facilities and Requirements (*Module 10: Session 1*)
29. Personnel Management (*Module 10: Session 2*)- Ensuring & Assuring Absence of Pregnancy Before Commencing or Starting Contraception; Ideal Time to Commence Contraception; Role of Pregnancy Test.
30. Demonstration and Clinical Practice (*Module 5*)

2. CERTIFICATE IN FETAL MONITORING METHODS

This is a minimum of 40-hour certificate course made up of 20hours of lectures and 20hours of practical sessions and demonstrations. The course content includes basic fetal monitoring techniques like cardiotocography, fetal kick chart and basic fetal ultrasound scan.

There shall be 23 hours of lectures and 22 hours of practicum making a total of 45 hours.

LECTURES:

The lectures shall include the topics listed below and each shall last for ONE hour

1. Importance of feto-maternal monitoring: antenatal and intrapartum
2. High risk indicators in pregnancy
3. Principles of fetal oxygenation in pregnancy and labour
4. Dating methods in pregnancy
5. Fetal distress: causes
6. Fetal distress: management principles
7. Overview of fetal monitoring
8. Screening for fetal anomalies
9. Prenatal diagnosis
10. Intrauterine growth restriction
11. Metabolic diseases in pregnancy
12. Fetal monitoring methods: history

13. Fetal monitoring methods: physical examination
14. Fetal monitoring methods: basic investigations
15. Fetal monitoring methods: fetal kick chart
16. Fetal monitoring methods: basic ultrasound scan
17. Fetal monitoring methods: advanced ultrasound scan
18. Fetal monitoring methods: cardiotocography
19. Interpretation and management of Cardiotocographic findings
20. Fetal acid base monitoring
21. Threatened preterm pregnancy and preterm birth
22. Neonatal resuscitation
23. Examination of the newborn

PRACTICUM

There shall be practicum of 22 hours in the various thematic areas of care.

Labour ward	10 hours
Labour ward theatre	4 hours
Obstetric ultrasound	4 hours
Cardiotocography	4 hours

3. CERTIFICATE IN PREVENTION OF MATERNAL MORTALITY

This is a minimum of 40-hour certificate course made up entirely of lectures. The course content includes updates on the main causes of maternal mortality like, Eclampsia, Pre-eclampsia, Abortion, puerperal sepsis, post partum haemorrhage and obstructed labour. There shall be lectures for a period not less than 24 hours and practicum of at least 26 hours in the various thematic areas of obstetric care.

LECTURES

1. Introduction to the concepts of maternal mortality, morbidity and near miss
2. Introduction to major contributors to maternal mortality
3. Concept and practice of shared care in obstetrics
4. Hypertensive diseases in pregnancy including preeclampsia and eclampsia
5. Abortion, complications and post abortion care ;
6. Manual Vacuum Aspiration: Uses, Contra-indication and Complications

7. Reproductive Health, Concept and Components; Women's Sexual and Reproductive Rights
8. Structured lectures on Puerperal sepsis, causes and management
9. Structured lectures on obstetric haemorrhage
10. The high risk obstetric patient and management
11. The concept of delays in maternal mortality
12. Concept of difficult labour, diagnosis and management
13. Interventions to reduce maternal mortality and morbidity; antenatal care
14. Interventions to reduce maternal mortality and morbidity- emergency obstetric care
15. Interventions to reduce maternal mortality and morbidity; the skill birth attendant in labor
16. HIV and co-infections in obstetrics
17. Immunization in pregnancy
18. Management of pregnancy and labour in a women with previous cesarean section
19. Induction of labour, Augmentation and stimulation of labour
20. The partograph as a tool in labour management and referrals
21. Instrumental deliveries indications and contraindications
22. The Millennium Development Goals (MDGs) and the Post MDG strategies for prevention of maternal mortality
23. Concept of Maternal Death Review/ Maternal Death Audit
24. Referral linkages in Obstetric care; plugging the gaps
25. Community insurance.

PRACTICUM

There shall be practicum of 26 hours in the various thematic areas of obstetric care.

Labour ward	10 hours
Labour ward theatre	4 hours
Obstetric ultrasound	4 hours
Cardiotocography	4 hours
Autopsy	4 hours

4. CERTIFICATE IN CERVICAL CANCER PREVENTION

This is a minimum of 40-hour certificate course made up of 30hours of lectures and 10hours of Clinical sessions.

Course Objective

The Course Objective focuses on the Primary and Secondary Prevention of Cervical Cancer and Clinical methods.

Content of the Lectures

This includes Anatomy of the Cervix; Epidemiology of Human Pappiloma Virus and Cervical Cancer; Lifecycle of Human Pappiloma Virus and Aetiology of Cervical Cancer, Cervical Cancer: Clinical Presentation and Management; Overview of Cervical Cancer Prevention, HPV Vaccines and Prevention of Cervical Cancer, Screening for Cervical Cancer (Cytology and aided Visual Inspection of the Cervix), Management of Abnormal Cervical Smear: Colposcopic Evaluation of the Cervix; Management of Premalignant Lesions of the Cervix: Ablative Techniques; Management of Premalignant Lesions of the Cervix: Excisional Techniques. Strategies for early detection including seromarkers in and management of other gynaecological cancers; such as vulval and ovarian cancers shall be part of this course.

Content of the Clinical Sessions

Introduction to Colposcopy; Colposcopic valuation of Premalignant Lesions of the Cervix; Treatment of Premalignant Disease of the Cervix (Ablative Techniques); Treatment of Premalignant Disease of the Cervix (Excisional Techniques). The role of Visual Inspection using Acetic Acid (VIA) and Lugos iodine in the detection and management premalignant lesions of the cervix

5. CERTIFICATE IN UPDATE IN INFERTILITY

This is a 40-hour certificate course made up entirely of lectures. The course content includes current updates in the prevention, diagnosis and management of infertility.

LIST OF OTHER SHORT COURSES ARE AS FOLLOWS;

Adolescent Sexual And Reproductive Health And Rights
Data analysis and scientific writing for Reproductive Health
Contemporary Issues in Adolescent Sexual and Reproductive Health
Managing ART delivery in HIV Service delivery
Mitigating the economic burden of maternal mortality: A policy initiative for sustainable growth in Sub-Saharan Africa

Mitigating the burden of high dependency ratio in Sub-Saharan Africa: A policy panacea for enhancing sustainable economic growth
Improving Policies And Programs On Effective Family
Planning Delivery In Africa
Computation of vital health statistics with the aid of econometric software: A robust policy simulation initiative.
Understanding Gender, Rights And Ethical Issues- Implications For Reproductive Health
Preventing Maternal Deaths- Sharing Regional Experiences And Developing A Common Plan Of Action
Respectful And Due Diligence Antenatal Delivery, Postnatal And Emergency Obstetrics Care For Nurses And Mid-Wives
Legal And Reproductive Health Issues Surrounding Gender Based Violence
Managing Maternal Healthcare At PHC Level
Advances In Management Of Safe And Unsafe Abortion
Recent Advances In The Prevention And Management Of HIV/AIDS In Pregnancy
Training In Research Methods And Data Analysis In Public Health
Costing, Budgeting And Resource Mobilization For Maternal Healthcare
Recent Advances In Pedagogy And Training Methods In PG Education In Reproductive Health Fields
Workshop On Emergency Obstetrics Care
Project Management in Reproductive Health programs
Geriatrics Training for Nurses and Midwives

ACADEMIC STAFF LISTSerial No.	Resource Persons	Qualifications	Status	Department / Institutions/ Area of Specialization
Internal (Department of Obstetrics and Gynaecology, University of Benin, Benin City)				
1.	Prof. E.E. Okpere	MBBS, FRCOG, FMCOG, FWACS, FICS, D. Sc (Hons)	Professor	Maternal Fetal Medicine
2.	Prof. A.A.E. Orhue	MBBS, FRCOG, FMCOG, FWACS, FICS	Professor	Endocrinology and Infertility
3.	Prof. F.E. Okonofua	B.Sc, MB.CHB, FRCOG, FMCOG, FWACS, FICS , PhD, FAS	Professor	Oncology, Urogynaecology and Reproductive Health
4.	Prof. (Mrs.) A.O. Aisien	MBBS, FMCOG, FICS	Professor	Fertility Counseling and Management
5.	Prof. E.P. Gharoro	MBBS, FWACS , FMCOG, FICS	Professor	Oncology, Urogynaecology
6.	Prof. A.B.A. Ande	B.Sc (Hons), MB.CHB, FWACS, FICS, MPH	Professor	Maternal Fetal Medicine
7.	Prof. M.E. Aziken	MBBS, FWACS , FMCOG, MPH, D.MAS, Cert Sonography	Professor	Endocrinology and Infertility

8.	Prof. J.U.E. Onakewhor	MBBS, M. Sc, MPH, FWACS, FICS	Professor	Maternal- Fetal Medicine
9.	Dr. A.E. Ehigiegba	MBBS, MRCOG, FWACS	Associate Professor	Fertility Counseling and Management
10.	Dr. C.A. Okonkwo	MBBS, FMCOG, FICS	Associate Professor	Oncology, Urogynaecology
11.	Dr. (Mrs.) P. A. Osemwenkhai	MBBS, FWACS, FICS, D.MAS, Cert Sonography	Senior Lecturer	Endocrinology and Infertility
12.	Dr. J.A. Osaikhuwuomwan	MBBS, FWACS, FMCOG	Senior Lecturer	Endocrinology and Infertility
13.	Dr. E. Enabudoso	MBBS, FMCOG, FWACS, MPH, Cert Fetal Med.	Lecturer 1	Maternal- Fetal Medicine
Staff Outside the Department Obstetrics and Gynaecology but in School of Medicine				
14.	Prof. (Mrs.) O.H. Okojie	MBBS, FMCPH, FWACP	Professor	Department of Community Health
15.	Prof. (Mrs.) A.O. Isah	MBBS, M. Sc, FMCPH, FWACP	Professor	Department of Community Health
16.	Prof. (Mrs.) A.N. Ofili	MBBS, FWACP, FMCP	Professor	Department of Community Health
17.	Dr. O. Adeleye	MBBS, MHPM, MPH, M.Sc, FWACP	Associate Professor	Department of Community Health
18.	Dr. J. Chiwuzie	MBBS, MPH,	Associate	Department of

		FWACP	Professor	Community Health
19.	Prof. M.N. Okobia	MBBS, FWACS, PhD	Professor	Department of Surgery
20.	Prof. M. Momoh	MBBS, FWACS	Professor	Department of Surgery
21.	Prof. V.I Iyawe	MBBS, PhD	Professor	Department of Physiology
22.	Prof. M.I. Ebowonyi	B.SC, PhD	Professor	Department of Physiology
23.	Dr. F.O. Agoreyo	BDS, M,Sc,	Senior Lecturer	Department of Physiology
24.	Prof. Baxter Grillo	MBBS, M.S, PhD	Professor	Department of Anatomy
25.	Dr. C.L. Sakpa	MBBS, PhD	Lecturer 1	Department of Anatomy
26.	Dr. J.E. Atamah	MBBS, M.Sc,	Lecturer 1	Department of Anatomy
Staff Outside the College of Medical Sciences but in the University of Benin, Benin City				
27.	Prof. C.F. Okolocha	B,Sc, M. Sc, PhD	Professor	Department of Sociology & Anthropology
28.	Prof. Omozefe	PhD	Professor	Department of Gender Studies
29.	Prof. (Mrs.) R.U. Obi	Phd	Professor	Department of Sociology & Anthropology
30.	Prof. (Mrs.) K. Eghafona	PhD	Professor	Department of Sociology & Anthropology
31.	Prof. (Mrs.) G.N. Vincent-Osaghae	B. Sc, M. Sc, PhD	Professor	Department of Sociology & Anthropology-Medical Sociology
32.	Dr. Bar. (Mrs.) Aniekwu	LLM, PhD , Dip (Intl Human Rights)	Associate Professor	Department of Public Health Law
33.	Bar. (Mrs.)	LLM, PhD	Associate	Department of Private

	Onuoha		Professor	and Property Law
34.	Prof. Anthony Ogbeibu	PhD	Professor	Department of Environmental Biology, University of Benin
35.	Prof. S.U. Ogbonmwan	B.Sc, M. Sc, DIC, PhD	Professor	Department of Statistics/Mathematics/Computer Studies
36.	Prof. S.E. Omosigho	B. Sc, M.Sc, MBA, PhD	Professor	Department of Statistics/Mathematics/Computer Studies
37.	Prof. Osa Osemwota	PhD	Professor	Department of Health Planning and Management
38.	Prof. (Mrs.) O. Okoro	PhD	Professor	Department of Education
39.	Dr. O.O. Omokhudu	PhD	Professor	Department of Accounting
Externals (National)				
40.	Prof. I.F. Adewole	M.BBS, FWACS, FMCOG	Professor	Department of Obstetrics and gynaecology, University of Ibadan
41.	Prof. A. Oladokun	M.BBS, FWACS, FMCOG	Professor	Department of Obstetrics and gynaecology, University of Ibadan
42.	Dr. A. Fawole	M.BBS, FWACS, FMCOG	Senior Lecturer	Department of Obstetrics and gynaecology, University of Ibadan
External (Regional International)				
43.	Professor Richard Adanu	MBBS, FWACS, MPH	Professor	Department of Obstetrics and Gynecology, University of Ghana

44.	Prof. Rene Xanvier Rerrin	MD. PG Fellowship (O&G)	Professor	Department of Obstetrics and Gynaecology, Dabomey Calavi University, Cotonou
45.	Prof. Lut Geerts	B.Sc, MRCOG	Professor	Stallenbosch University, South Africa
External (Non-Regional International)				
46.	Prof Ana Langer	PhD	Professor	Harvard School of Public Health, Boston, USA
47.	Emeritus Prof. Rebecca Cooke	C.M, J.D., F.R.S.C	Professor	Reproductive Health Law program, University of Toronto
48.	Dr. Man Charurat,	PhD	Associate Professor	Institute of Human Virology, University of Maryland (IHV-UMB), Baltimore, USA Epidemiologist
49.	Prof. A. Odibo	MBBS, MD, MSE	Professor	Department of Obstetrics and Gynaecology, Washington University School of Medicine
50.	Prof. Jeremy Shiffman,	PhD	Professor	Department of Public Health, School of Medicine, Washington University, USA
51.	Prof. Malcolm Potts	PhD; FRCOG	Professor	University of California
52.	Prof. Staffan Bergstrom	FRCOG; PhD	Professor	Department of Obstetrics and Gynaecology of

				Stockholm, Sweden
53.	Prof Andrzej Kulczycki	MD, PhD	Professor	University of Alabama at Birmingham, USA
54.	Prof Julia Hussein,	PhD; FRCOG	Professor	University of Aberdeen, Scotland , UK