

Ahmadu Bello University Distance Learning Center



Masters in Public Health (MPH)

Post Graduate Handbook

CORE COURSES (GENERAL):

All MPH students irrespective of their specialisation are to offer the underlisted Core courses and these include:

1. Introduction to Public Health 3CU
2. Basic Epidemiology 3CU
3. Principles of Health Communication and Learning 3CU
4. Behavioural Science 3CU
5. Health Statistics and Computing 3CU
6. Advanced Computer Applications 3CU
7. Research Methodology 3CU
8. Primary Health Care and Principles of Management 3CU
9. Seminar
10. Research/Project (I & II)

SPECIALISATIONS AND SPECIALISATION COURSES:

Students offering any of the earlier mentioned specialisations are to offer all courses for the said specialisation as listed under the corresponding specialisation. Students will take all the earlier mentioned core courses and also offer all courses in their chosen specialisation as listed under the corresponding specialisation. The speciality courses are described in detail under each speciality. Each candidate will choose the specialty of their choice and in addition to the core courses; they will take specialty courses of their chosen area of specialisation. In addition, student will also undertake project in their chosen specialty. The specialties are:

1. Environmental and Occupational Health
2. Epidemiology
3. Health Promotion and Prevention

COURSE CODE	COURSE TITLE	CREDIT UNIT
COMM 813	Introduction to Public Health	3
COMM 801	Basic Epidemiology	3
COMM 802	Principles of Health Communication and Learning	3
COMM 837	Behavioural Science	3
COMM 839	Health Statistics and Computing	3
COMM 804	Advanced Computer Applications	3
COMM 803	Research Methodology	3
COMM 834	Primary Health Care and Principles of Management	3
COMM 881/882	Seminar	2
COMM 891/892	Research Project I & II	6

COMM 813 Introduction to Public Health (3 Credit Units)

Public health is “the science and art of preventing disease, prolonging life, and promoting health through the organised efforts and informed choices of society, organisations, public and private communities, and individuals.” — CEA Winslow. This course will introduce students to public health, public health core functions and essential services presenting its historical development, main theoretical perspectives, the social determinants of health, biological, personal, cultural and personal influences of health and diseases. The course is designed to provide students with an understanding of and appreciation for population approaches to improving the health of our nation and the world, as well as knowledge of various career paths in public health. The structure of the primary healthcare in Nigeria will also be discussed extensively as well as the traditional health system and its role in the healthcare of Nigeria. The course is aimed at all MPH students from all disciplinary backgrounds seeking to deepen their knowledge about public health.

COMM 801 Basic Epidemiology (3 Credit Units)

The course will introduce students to the basic principles of epidemiology including distribution and determinants of health related states and events. It introduces the basic principles of surveillance, conducting basic analysis of disease frequency and distribution, conducting disease surveillance and establishing measures for prevention, treatment and control of diseases.

COMM 802 Principles of Health Communication and Learning (3 Credit Units)

Health communication and learning is the study and use of communication and learning strategies to inform and influence individual decisions to enhance health. The course aims at strengthening the skills of students in learning and communicating lucidly, using multimedia and other resources in carrying out health promotion, both at the individual and community levels.

This course would expose the students to the several/different concepts, processes and theories of learning and their application to promote health and improve quality of life.

Learning is the relatively permanent change in behaviour that comes about as a result of experience or practice. Both health promoting and health threatening behaviours can be learnt. Patients can learn healthy behaviours in order to improve their diagnosis or promote health by applying principles of learning.

COMM 837 Behavioural Science (3 Credit Units)

This course will consider psychological factors involved in the area of health and disease from the theoretical perspective of social psychology as they relate to behavioural change. It will discuss psychological research methods in their application to health. Students will examine health-related behaviours, such as coping with disease and pain, attitude to medical advice, exercise, sexual practices, alcohol use, smoking, diet, drug abuse and injury prevention and the future challenges facing psychology in relationship to health will be outlined.

COMM 839 Health Statistics and Computing (3 Credit Units)

This course covers maintenance, compilation, analysis, and presentation of health-care statistics and research protocols and techniques. Topics include basic statistical principles and research, indices, registries, descriptive statistics, databases, vital statistics, research protocol monitoring, knowledge based research techniques and Institutional Review Board processes. Upon completion, students will be able to interpret, apply and present healthcare statistics and utilise research techniques to gather and interpret healthcare data.

COMM 804 Advanced Computer Applications (3 Credit Units)

This course examines the various computer skills required for conducting a scientific research. Students will be introduced to the various computer applications that are important for all public health activities including and especially research. Students will be exposed to the various software for data entry, analysis and referencing. E.g. STATA, EPI INFO, SPSS, Web 2.0, web miming and Endnote. Activities created to help students practice skills in analysis and presentation of results with graphics. These are suited for students with higher level computer experience.

COMM 803 Research Methodology**(3 Credit Units)**

This course introduces the principles of basic and applied research to students and prepares them for their fieldwork. It also equips health managers with the relevant information they need to make decisions on health-related problems they are facing. The course teaches the techniques, practice and new directions for research project management; and gives practical experience with approaches to achieving successful project performance. Students will use practicals and group work to learn the application of practice project management to health research. The course will also introduce the student to the art of grant proposal writing, and the characteristics of good or poor grant proposal and top reasons why grant proposals may or may not get funded.

COMM 834 Primary Health Care and Principles of Management (3 Credit Units)

This course provides students with the basic concept of primary health care by focusing on issues in Public Health and Primary Health. The objective of this course is for the students to be able to understand the philosophies that underpin the primary health practice, understand the socio-political environments in which care is delivered and further develop transferable management and communication skills.

COMM 881/882 Seminar**2 Credit Units)**

This aspect of the program will be compulsory for all Masters in Public Health (MPH) students. It will deal with real, vital public health issues. Critical analysis of recent research studies related to contemporary issues/problems in Public Health involved in conducting and publishing research are to be discussed. The approach would be a systematic review of published papers on a specific contemporary public health issue of the student's choice and the presentation would take the form of critiquing of a paper. The student would be guided through as they acquire this skill.

COMM 891/892 Research Project I & II**6 Credit Units)**

This course provides students with an opportunity to undertake a public health research project, on a public health topic of their choice, by collecting data and analysing, presenting and writing up their research results.

SPECIALISATION COURSES

MPH ENVIRONMENTAL AND OCCUPATIONAL HEALTH

SPECIALISATION DESCRIPTION

This specialisation introduces students to Environmental and Occupational Health. It covers recognition, control, and regulation of safety hazards in the workplace. Topics include accident investigation, Workers Compensation, record keeping, training, machine guarding, facilities, personal protection, and fire protection. Upon completion, students should be able to recognise safety hazards and recommend strategies for remediation and compliance.

EXPECTED COMPETENCES

- a) To be able to describe and analyse contemporary issues in environmental and Occupational Health
- b) To be able to identify, monitor and control risk associated with different workplace environment
- c) To understand the existing policies and legislations in occupational and environmental health
- d) To be able to conduct research on water, sanitation and hygiene issues
- e) Understand and analyse the trends in global climate change, its resulting effect and response.
- f) To be able to discuss contemporary issues in climate change and the global approach to it including Health policy
- g) Identify the common pathogens responsible for common food poisoning and water-related diseases.
- h) Understand the basics of GIS and its application to Public Health
- i) Identify and describe the common pollutants of the environment and ways of controlling them.

ENVIRONMENTAL AND OCCUPATIONAL HEALTH CORE COURSES (SPECIALISATION)

CORE COURSES

COURSE CODE	COURSE TITLE	CREDIT UNIT
COMM 805	Contemporary Issues in Environmental and Occupational Health	3
COMM 807	Environmental & Occupational Health Hazards, Injury Prevention and Control	3
COMM 808	Risk Assessment and Safety Program Management	3
COMM 806	Environmental and Occupational Health Practice, Policy and Legislation	3
COMM 843	Toxicology and Approaches to Water, Sanitation, and Hygiene Research	3
COMM 836	Global Climate Change: Health Impacts and Response	3
COMM 835	GIS and Satellite Remote Sensing of the Environment and its Applications to Public Health	3
COMM 845	Environmental and Occupational Epidemiology	3

ELECTIVE

COURSE CODE	COURSE TITLE	CREDIT UNIT
COMM 809	Environmental Microbiology: Food, Water and Airborne Diseases	3

MPH OCCUPATIONAL AND ENVIRONMENTAL HEALTH COURSE DESCRIPTION

COMM 805 Contemporary Issues in Environmental and Occupational Health (3 Credit Units)

This course focuses on the information needed to be able to describe and analyse contemporary issues in Environmental and Occupational Health. These include Climate change, Urban Housing, Pollutions, Bio-fuel, Occupational Cancers, Occupational Legislations, Emerging Occupational Diseases, HIV/AIDS In the workplace and Post-Traumatic Stress Disorders.

COMM 807 Environmental & Occupational Health Hazards, Injury Prevention and Control (3 Credit Units)

This course will expose students to be able to identify, prevent, control and manage environmental and occupational health hazards and also measures to be taken in order to prevent and control injuries in the environment and workplace. Topic areas include Physical, Biological, Chemical, Social, Psychological and Mechanical Hazards, Hazards identification as well as Injury Control Measures.

COMM 808 Risk Assessment and Safety Program Management (3 Credit Units)

This course is a study of Risk Assessment, and the content includes Definition of Risks, Types of Risks, Practical Risk Assessment Tools in a company, Overview on effects of chemical, biological, physical exposure to risks and Risk Assessment Methods in order to enable students identify, monitor and control risk associated with different workplace environment.

COMM 806 Environmental and Occupational Health Practice, Policy and Legislation (3 Credit Units)

This course will provide an understanding into the existing policies and legislations in occupational and environmental health to be able describe core elements and design and manage health prevention and health promotion in a company. Applying international codes of conduct and international conventions for the practice of occupational health by using the internet and other open resources to find information and to improve the quality of professional work in occupational health. Topics to be explored include, Principles of exposure evaluation and assessment, Principles of injury and accident investigation and preventive programme, Introduction to Psychosocial factors and work organisation, Introduction to ergonomic workplace design. Legislation on Land Degradation, Oil Spillage, Deforestation, environmental conservation and biodiversity, Gas flaring, Housing code, standards and edicts, Housing Policy, Environmental impact assessment act, Labour laws, Factory Laws, Workman's Compensation laws.

COMM 843 Toxicology and Approaches to Water, Sanitation, and Hygiene Research (3 Credit Units)

Identify the existing and new forms of potential toxins being introduced in the environment and workplace.

COMM 836 Global Climate Change: Health Impacts and Response (3 Credit Units)

This course will enable students understand and analyse the trends in global climate change, its resulting effect and response.

COMM 835 Geographic Information Systems and Satellite Remote Sensing of the Environment and its Applications to Public Health (3 Credit Units)

Introduction to the basics of GIS and satellite remote sensing of the environment and its applications to Public Health.

COMM 845 Environmental and Occupational Epidemiology (3 Credit Units)

Students who take this course would have basic and advanced training in epidemiology, have understanding and skills needed to assess the effects of environmental/occupational agents on health. Have expertise in exposure measurements, including the ability to interpret, sampling results, have understanding of the strengths and limitations of different environmental epidemiologic study designs. Contents of this course includes Epidemiology of air pollution, asthma, cardiovascular diseases, Gene-environment interactions and the toxicity of metals and pesticides in children, workers and other adults, Effects of pesticides on humans, Male reproductive toxicity, Arsenic and bladder cancer, Dioxin Pollution and exposure, Occupational and other risk factors for cancer of the lungs, breast, upper GIT, liver and pancreas, Climate change and heat-associated morbidity, Environmental influences on patterns of infectious diseases, exposures to phthalates, asbestos etc.

COMM 809 Environmental Microbiology: Food, Water and Airborne Diseases (3 Credit Units) (ELECTIVE)

This is the study of pathogens responsible for common food poisoning and water-related diseases.

MPH EPIDEMIOLOGY

SPECIALISATION DESCRIPTION

The Epidemiology specialisation focuses on the scientific understanding of the causes, distribution, control, and prevention of disease in populations. This programme aims to prepare students to become effective investigators involved in data collection, study design, analysis and interpretation of population- and clinical-based research. Students enrolled in the epidemiology specialisation are required to take advanced level training in non-communicable and infectious disease epidemiology and research design. Upon completion of the MPH degree, students will be prepared to begin careers on epidemiology research teams in government, institutes, universities or industry.

EXPECTED COMPETENCES

- a) Apply public health research to promote positive social change concerning the health of diverse populations.
- b) Evaluate and apply population-based theories and strategies used in the prevention of disease and disability.
- c) Apply fiscal and organisational tenets to public health program leadership.
- d) Utilise critical-thinking and assessment skills in order to analyse barriers, assess needs, and advance the knowledge and practice of public health.
- e) Engage in scientific inquiry that advances the knowledge base of research and practice in epidemiology.
- f) Plan and direct studies of public health problems to find ways to prevent and treat them if they arise.
- g) Demonstrate advanced competency in health informatics and surveillance techniques used in public health programs.
- h) Collect and analyse data through observations, interviews, and surveys, as well as find the causes of diseases or other health problems.
- i) Lead and inform professional communication, marketing, and public relations on key issues in public health.
- j) Apply epidemiologic concepts and analytical approaches to public health problems.

CORE COURSES FOR MPH EPIDEMIOLOGY (SPECIALISATION)

CORE COURSES

COURSE CODE	COURSE TITLE	CREDIT UNIT
COMM 819	Infectious Diseases Epidemiology	3
COMM 821	Non-Communicable Disease Epidemiology	3
COMM 818	Advanced Epidemiology	3
COMM 851	Clinical Epidemiology	3
COMM 844	Public Health Surveillance	3
COMM 845	Environmental and Occupational Epidemiology	3
COMM 811	Biostatistics I	3

MPH EPIDEMIOLOGY COURSE DESCRIPTION

COMM 819 Infectious Diseases Epidemiology

(3 Credit Units)

The course will focus on the key concepts of infectious diseases as well as methods used in infectious disease control as applied to public health. It will introduce the basic methods for infectious disease epidemiology and case studies of important disease syndromes and entities. Methods include definitions and nomenclature, outbreak, investigations, disease surveillance, case control studies, cohort studies, laboratory diagnosis, molecular epidemiology, dynamics of transmission, and assessment of vaccine field effectiveness. Case studies focus on acute respiratory infections, diarrheal disease, hepatitis, HIV, tuberculosis, sexually transmitted diseases, malaria, ebola and other vector borne diseases.

COMM 821 Non-Communicable Disease Epidemiology

(3 Credit Units)

This course teaches the key concepts and methods used in non-communicable disease control as applied to public health. The course will address the major non-communicable diseases (cardiovascular disease, chronic lung disease, diabetes, cancer) and their risk factors (exercise, diet, alcohol, tobacco) which are responsible for considerable morbidity and premature adult mortality globally. This course is based on understanding and evidential basis for the cause Non-communicable diseases from epidemiology and biomedical studies, followed by detailed analysis of contemporary population health risk factors and the challenges they pose for population approaches to prevention and control of Non-Communicable disease. The course for aims to provide students with the ability to critically evaluate evidence for causation and cost-effectiveness of Non-Communicable disease control in populations. The strengths, weaknesses and challenges of different population approaches to Non-communicable control, and their record of success and failures.

COMM 818 Advanced Epidemiology**(3 Credit Units)**

This course is a study of more advanced methods of epidemiology. It seeks a more in depth understanding and application of analysis of measures used to calculate measures of association and impact. The course explores advanced epidemiological concepts and quantitative methods required for the interpretation and conduct of epidemiological studies. The aim of this course is to enable participants to understand a range of epidemiological concepts beyond those taught in introductory courses, to interpret advanced quantitative methods used in epidemiological studies, and to apply these methods in their own research.

COMM 851 Clinical Epidemiology**(3 Credit Units)**

The course will focus on key concepts and applications of clinical epidemiology. It introduces key concepts of clinical outcomes research and evaluation of new technology or practice. The aim of this course is to provide students with the knowledge to evaluate and assess applied clinical research data analyses, and also provide sufficient scientific and methodological background information to actively participate in clinical studies.

COMM 844 Public Health Surveillance**(3 Credit Units)**

Public Health Surveillance is a core public health function in understanding and monitoring population health. This course is a study of surveillance in the Nigerian setting as well as the international setting. The course covers the theory, data collection methods, data analysis techniques, and presentation strategies of the systematic, continuous analysis and interpretation of the population health data to inform planning, implementation, and evaluation of public health practice. Students identify the different types of surveillance, and how each is applied and varied. Real world surveillance data is used to illustrate methods for analysis, and how surveillance data should be presented to different audiences.

COMM 845 Environmental and Occupational Epidemiology **(3 Credit Units)**

Students who take this course would have basic and advanced training in epidemiology, have understanding and skills needed to assess the effects of environmental/occupational agents on health. Have expertise in exposure measurements, including the ability to interpret, sampling results, have understanding of the strengths and limitations of different environmental epidemiologic study designs. Contents of this course includes Epidemiology of air pollution, asthma, cardiovascular diseases, Gene-environment interactions and the toxicity of metals and pesticides in children, workers and other adults, Effects of pesticides on humans, Male reproductive toxicity, Arsenic and bladder cancer, Dioxin Pollution and exposure, Occupational and other risk factors for cancer of the lungs, breast, upper GIT, liver and pancreas, Climate change and heat-associated morbidity, Environmental influences on patterns of infectious diseases, exposures to phthalates, asbestos etc.

COMM 811 Biostatistics 1**(3 Credit Units)**

This course introduces students to biostatistics as a means of summarising data, coping with the variability of units within study populations, and making decisions in the face of uncertainty. Emphasis will be placed on the practical application of these statistical techniques using real datasets and the rational interpretation of results, especially results generated by key statistical packages. Also how to distinguish clearly between descriptive and inferential statistics, qualitative and quantitative variables, discrete and continuous variables, symmetrical and skewed distributions, positively and negatively skewed distributions. How to construct a frequency table that includes class limits, class frequency, relative frequency and cumulative frequency, indicate appropriate types of graphs that can be used for displaying quantitative and qualitative data, distinguish which form of data presentation is appropriate for different situations, construct a histogram, frequency polygon, an Ogive, a bar chart, and a box and whisker plot, interpret a frequency table distinguish among and interpret the various kinds of graphs, compute and distinguish between the uses of measures of central tendency: mean, median, and mode, compute and list some uses of measures of variation: range, variance, and standard deviation, compare sets of data by computing and comparing their coefficients of variation, select the correct equations for computing the mean and the standard deviation, be able to compute the mean and the standard deviation for grouped and ungrouped data and understand the distinction between the population mean and the sample mean.

HEALTH PROMOTION AND PREVENTION

SPECIALISATION DESCRIPTION

The MPH in Health Promotion and Prevention degree program is an exciting degree option for motivated public health professionals interested in making a difference in communities around the world. This specialisation helps students succeed in advancing the health of populations locally and globally. While in this programme, candidates are expected to build on their personal communication skills, test their ability to analyse and critique current public health agendas, and show expertise in a field setting. The courses in this specialisation are designed to give you the real-world skills you need to address health inequity on a local, national, and global scale. Students will learn core public health methodology, leadership, and advocacy skills needed to improve population health equity.

EXPECTED COMPETENCIES

At the end of this course you are expected to:

- a) Exhibit leadership skills and the ability to motivate and influence others in their health decision.
- b) Have understanding of public health and other related health issues.
- c) Empathy for people facing difficult situations. initiative and problem-solving ability.
- d) Critical thinking, oral and written communications.
- e) Teamwork/Collaboration.
- f) Identify the methods of health communication and health education.
- g) Understand information technology and its application in health promotion.
- h) Identify the issues and concepts in school Health will feature in relation to school population functions and responsibilities of all stakeholders in the delivery of school health programme and services to concerned individuals who are ill at school.
- i) Social marketing strategies and its application in behavioural intervention.
- j) Identify the models of health and behaviour.
- k) Be able to identify good governance. Methods of strengthening governance and policies to make healthy choices accessible and affordable to all, and to create sustainable systems that make whole-of-society collaboration real.

MPH HEALTH PROMOTION AND PREVENTION CORE COURSES

COURSE CODE	COURSE TITLE	CREDIT UNIT
COMM 864	Principles of Health Promotion and Education	3
COMM 865	Psychological Foundation of Health Behaviour and Change Process.	3
COMM 853	Media Strategies in Health Promotion	3
COMM 866	School Health Programme and Services	3
COMM 861	Group Dynamics & Community Mobilisation in Health Promotion	3
COMM 871	Training Methods in Health Promotion and Education	3
COMM 870	Practicum in Health Education	2
COMM 873	Health Programme Planning and Education	3

MPH HEALTH PROMOTION AND PREVENTION COURSE DESCRIPTION

COMM 864 Principles of Health Promotion and Education (3 Credit Units)

In recent times, emphasis has been placed on health promotion as the larger framework through which health education seeks to operate to optimise and influence the health of every person in the community. This course will examine the scope of health promotion as a global social progress agenda for micro-level change in quality of life of community members. It will explore concepts of health and quality of life measures, models of health promotion research, practice, planning, and evaluation of health intervention programmes in the community. The course will attempt to contextualise in the Primary Health Care Scheme.

COMM 865 Psychological Foundation of Health Behaviour and Change Process (3 Credit Units)

Behaviour is said to be very important in health and disease. This course views behaviour and any situation that generates behaviour as key to understanding health and disease. A brief review of basic neurophysiology of the central nervous system will be considered. The course focuses on the theories of individual behaviour and highlights the relationships between the various psychological variables, which form the basis of personality and on which lifestyles, and health practices as hinged. Specific health behavioural actions. Specific examples are cited so that the students will acquire a good understanding of behavioural mode-based intervention strategies. This course will also provide opportunity for students to examine the role of human behaviour at the individual, group, community and organisational levels in the ecology of health and diseases. Further, the students will become acquainted with types of change and apply and behavioural theories/models to the diagnosis of health-related behaviours at particularly individual level change.

COMM 853 Media Strategies in Health Promotion (3 Credit Units)

The mass media is any written, printed, visual, electronic, audio visual media developed to reach mass audience and the public. Health promotion raises public awareness about particular issues, and creates a climate of opinion and provides food for thought in a nurturing environment, which stresses the ill-effects of unhealthy behavior and the benefits of preventive behaviour. This course would enable student appreciate the application of media/communication theories and strategies. These are to be perceived as the process evolving from individual perception, language habits, and behaviour during interpersonal and social interaction, modern media strategies and communication.

COMM 866 School Health Programme and Services (3 Credit Units)

A discussion of Topical issues and concepts in school Health will feature in relation to school population functions and responsibilities of all stake holder in the delivery of school health programme and services to concerned individuals who are ill at school. Recognition of children's health problems, treatment or referral protocol to the appropriate authority and an analysis of interrelationships in the overall school of Health programme and services delivery. Emphasis would be placed on the health promoting school concept.

COMM 861 Group Dynamics & Community Mobilisation in Health Promotion (3 Credit Units)

The aim of the course is to strengthen the knowledge and skill of student in conducting social mobilisation. The course prepares the graduate student to work more effectively with groups by providing them with skills in leadership for facilitating community actions. All the theories and concepts will be learnt to understand group behaviour and the characteristics stages of their development. Knowledge gained in this course will further equip the student to conduct community need assessment and assist the community in resources linkage to sustain community projects

COMM 871 Training Methods in Health Promotion and Education (3 Credit Units)

This course will equip the student with the skills as trainers to design and implement innovative programs in agency settings for personnel development. Different approaches to training will be reviewed, including needs assessment, curriculum development and training logistics. Evaluation of various government and private training and teaching programmes and their pedagogical element will be reviewed. Students would have opportunity to organise actual training program.

COMM 870 Practicum in Health Education (2 Credit Units)

Opportunity on putting Health Promotion research theories into practice through community based intervention programs at various levels, for example activities carried out in schools which may involve observations, discussions on health of school children and youth, programmes of schools health education and services, organisation and conduct of health programmes in selected schools. Students would be expected to work with other experienced professionals in Health institutions other than primary and post primary schools on a 3 months attachment {144hrs (p)}

COMM 873 Health Programme Planning and Education (3 Credit Units)

The course is intended to prepare students to organise health programmes that meet specific and identifies community needs. Skills include setting goals and objectives, selecting appropriate strategies, assessing and evaluating outcomes of interventions and mobilising internal and external.

PROGRAMME TIME TABLE

First Semester (FIRST SESSION)

Course Code	Course Title	Credit Unit	Core/Elective
COMM 813	Introduction to Public Health	3	Core (Gen.)
COMM 801	Basic Epidemiology	3	Core (Gen.)
COMM 803	Research Methodology	3	Core (Gen.)
ENVIRONMENTAL AND OCCUPATIONAL HEALTH			
COMM 805	Contemporary issues in Occupational and Environmental Health	3	Core (Spec.)
COMM 807	Environmental and Occupational Health Hazards, Injury Prevention and Control	3	Core (Spec.)
COMM 843	Toxicology and Approaches to Water, Sanitation and Hygiene Research	3	Core (Spec.)
EPIDEMIOLOGY			
COMM 811	Biostatistics I	3	Core (Spec.)
COMM 819	Infectious Disease Epidemiology	3	Core (Spec.)
COMM 821	Non-Communicable Disease Epidemiology	3	Core (Spec.)
HEALTH PROMOTION AND PREVENTION			
COMM 871	Training Methods in Health Promotion and Education	3	Core (Spec.)
COMM 865	Psychological Foundation of Health Behaviour and Change Process	3	Core (Spec.)
COMM 861	Group Dynamics & Community Mobilisation in Health Promotion	3	Core (Spec.)

Second Semester (FIRST SESSION)

Course Code	Course Title	Credit Unit	Core/Elective
COMM 802	Principles of Health Communication and Learning	3	Core (Gen.)
COMM 804	Advanced Computer Applications	3	Core (Gen.)
COMM 834	Primary Health Care and Principles of Management	3	Core (Gen.)
ENVIRONMENTAL AND OCCUPATIONAL HEALTH			
COMM 806	Environmental and Occupational Health Practice, Policy and Legislation	3	Core (Spec.)
COMM 808	Risk Assessment and Safety Programme Management	3	Core (Spec.)
COMM 836	Global Climate Change: Health Impact and Response	3	Core (Spec.)
EPIDEMIOLOGY			
COMM 818	Advanced Epidemiology	3	Core (Spec.)
COMM 844	Public Health Surveillance	3	Core (Spec.)
HEALTH PROMOTION AND PREVENTION			
COMM 864	Principles of Health Promotion and Education	3	Core (Spec.)
COMM 866	School Health Programme and Services	3	Core (Spec.)

First Semester (SECOND SESSION)

Course Code	Course Title	Credit Unit	Core/Elective
COMM 837	Behavioural Science	3	Core (Gen.)
COMM 839	Health Statistics and Computing	3	Core (Gen.)
COMM 891	Research Project I	3	Core (Gen.)
ENVIRONMENTAL AND OCCUPATIONAL HEALTH			
COMM 835	GIS and Satellite Remote Sensing of the Environment and its Application to Public Health	3	Core (Spec.)
COMM 809	Environmental Microbiology: Food, Water and Air Borne Diseases	3	Elective (Spec.)
COMM 845	Environmental and Occupational Epidemiology	3	Core (Spec.)
EPIDEMIOLOGY			
COMM 851	Clinical Epidemiology	3	Core (Spec.)
COMM 845	Environmental and Occupational Epidemiology	3	Core (Spec.)
HEALTH PROMOTION AND PREVENTION			
COMM 853	Media Strategies in Health Promotion	3	Core (Spec.)
COMM 873	Health Programme Planning and Education	3	Core (Spec.)

Second Semester (SECOND SESSION)

Course Code	Course Title	Credit Unit	Core/Elective
COMM 892	Research Project II	3	Core (Gen.)
COMM 881/882	Seminar	2	Core (Gen.)
HEALTH PROMOTION AND PREVENTION			
COMM 870	Practicum in Health and Education	2	Core (Spec.)