



MASENO UNIVERSITY
FOUNTAIN OF EXCELLENCE

eCampus



Education at your fingertips

Master of Public Health (MPH)

(Ecole de la Santé Publique et du Développement Communautaire, (ESPUDEC))

eLearning Programme

SCHOOL OF PUBLIC HEALTH AND COMMUNITY DEVELOPMENT



ISO 9001:2008
CERTIFIED



1. INTRODUCTION

Public Health is a discipline that is focussed on the protection and improvement of the health of entire populations through community-wide action. This is done by preventing human disease, injury, and disability; protecting people from environmental health hazards; promoting behaviours that lead to good physical and mental health; educate the public about health; and assuring availability of high-quality health services. Public health professionals monitor and diagnose the health concerns of entire communities and promote healthy practices and behaviours to ensure that populations stay healthy

The Master of Public Health degree programme is primarily concerned with the promotion of health, prevention of disease and prolonging life as well as assessment of health care delivery. Public Health studies are thus aimed at providing research, training and outreach services that focuses on the needs of communities and societies. The programme is tailored to various public and community health priority areas thus allowing a wider range of choices for students with different backgrounds.

The MPH courses focus on the theory, philosophy and practice of Public Health issues that affect various populations as well as the management within a policy and problem solving framework. Differing approaches to Public health problems are examined along with case studies, professional practice and various management tools. Problem solving approaches are taken in respect of Public Health management applications and plans that health in solving societal health problems hence improves population health.

2. PROGRAMME OBJECTIVES

- i. Acquire basic skills and knowledge and develop appropriate attitude to identify, assess, plan, prioritise and measure the impact of public health intervention on human population and the environment.
- ii. Undertake rational decision in clinical and public health practices
- iii. Demonstrate an understanding of the influence of environment, social, economic and cultural practices on health and health care delivery at local and global setting
- iv. Apply knowledge and skills in professional national and international health care services and disease prevention

3. EXPECTED LEARNING OUTCOMES:

- i. The graduates of this programmes will be able to:
- ii. Demonstrate problem solving skills by applying, analyzing, and synthesizing content knowledge in public health
- iii. Identify component parts, relationships and ideas of determinants of health
- iv. Achieve core competencies in Public Health
- v. Display ethical behaviours, cultural sensitivity, teamwork, professional conduct and Health Education and Communication

- vi. Assess and monitor the health of communities and populations at risk to identify health problems and priorities.
- vii. Formulate public policies designed to solve identified local and national health problems and priorities.
- viii. Design health activities that will assure that all populations have access to appropriate and cost-effective care, including health promotion and disease prevention services.

4. ADMISSION REQUIREMENTS

To be admitted to the M.P.H. programme, an applicant must:

- i. Satisfy Maseno University minimum entry requirements for admission into Postgraduate studies.
- ii. Satisfy the School of Public Health and Community development requirements for admission into postgraduate studies at the school.
- iii. Graduates of MBChB or its equivalent from a recognised University.
- iv. Graduates of Dentistry, Pharmacy who are interested in a career in Public Health.
- v. Graduates of health sciences such as B.Sc. Public Health, BSc. Environmental Science, Nursing, B.Sc. Nutrition and Veterinary Medicine.
- vi. Graduates of Biological Sciences and Physical Sciences
- vii. Holders of a Bachelor's degree in Social Sciences.

5. PROGRAMME DURATION:

i. The duration of the M.P.H. programme shall consist of coursework, examination and thesis normally extending over a period of two academic years distributed over four semesters of full-time attendance.

ii. During the coursework semesters, students shall be encouraged to propose prospective supervisors to the Chairperson of DPGSC from among the postgraduate faculty in the department.

iii. The candidate shall submit thesis proposal to DPGSC within 4 weeks of the next semester following completion of coursework

iv. Within two days of receipt of the proposal, the DPGSC Chairperson shall forward the proposal to the Chairman of SPGSC who will convene a proposal presentation seminar that must be attended by postgraduate faculty of the department concerned and chairpersons of DPGSC or their representatives. All postgraduate studies faculty shall be invited to attend presentations. The chairperson of SPGSC shall chair the presentations

v. The processing of the submitted thesis research proposal from DPGSC to School of Graduate Studies shall take a maximum of four (4) weeks.

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To be admitted to the M.P.H. programme, an applicant must:

- i) Satisfy Maseno University minimum entry requirements for admission into Postgraduate studies.
- ii) Satisfy the School of Public Health and Community development requirements for admission into postgraduate studies at the school.

Specifically the M.P.H programme will be open to:

- i) Graduates of MBChB or its equivalent from a recognised University.
- ii) Graduates of Dentistry, Pharmacy who are interested in a career in Public Health.
- iii) Graduates of health sciences such as B.Sc. Public Health, Nursing, B.Sc. Nutrition and Veterinary Medicine.
- iv) Graduates of Biological Sciences and Physical Sciences
- v) Holders of a Bachelor's degree in Social Sciences.

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8. PROGRAMME STRUCTURE

Master of Public Health (MPH) Coursework and Thesis		
First semester	Coursework	7 units
Second Semester	Coursework	
Research	7 units	1 unit
Third Semester	Research	3 units
Fourth Semester	Research/Thesis submission	3 Units

9. EXAMINATION AND GRADING

The examination rules and regulations for postgraduate studies of Maseno University, School of Graduate Studies shall apply.

Each taught course will be graded by a Continuous Assessment Test (CAT) comprising 40% of the final grade, and a three-hour End of the Semester Examination accounting for 60% of the final grade per course.

Continuous assessment tests will include written examinations, assignments and/or practical field activities where necessary.

The course PHT 823, "Public Health Field Activities" will

be examined on the basis of a four-week participation in Field Activities, an Oral Presentation and a Written Report. The courses PHT 831(Thesis Research I) and PHT 841(Thesis Research II) will be examined by a panel of examiners upon submission and defence of Thesis by the student at the School of Graduate Studies. Thesis Research will be examined according to Maseno University SGS Regulations.

The University grading system is as follows:

A=Distinction	70% and above
B=Credit	60-69%
C=Pass	50-59%
D=Fail	0-49%

The pass mark shall be 50 % of the final mark.

In order to graduate with the Master of Public Health (MPH) degree, a student must maintain a minimum grade of C in all the courses taken in the programme.

10. SPECIALIZATION AREAS:

The M.P.H degree shall be offered in five (5) specialization areas and students will be expected to select one of the following areas at the end of semester one.

- M.P.H. in Epidemiology and Population Health
- M.P.H. in Health Promotion and International Health
- M.P.H. in Management of Health Systems and Services
- M.P.H. in Disaster Management and Preparedness
- M.P.H. in Occupational Health and Safety.

Courses shall be offered in units in which a Unit is defined as one lecture hour per week, or two tutorial hours per week, or three laboratory/field or practical hours per week. The MPH programme shall have a minimum of 42 units and a maximum of 48 units of coursework.

Thesis research accounts for 12 units, including 6 units in Semester Four.

Courses are designated as Core [C], Specializing Tract (ST). Core courses are offered to all students while 'ST' courses are only offered to students in the Specializing Tract.

11. ELECTIVES

Students will choose any course as an elective any course from the five tracks (areas of specialization)

12. COURSE DISTRIBUTION

SEMESTER 1

CORE COURSES



These are core courses that are taught to all students in the various specialization areas.

PHT 810: Fundamentals of Public Health	1C
PHT 811: Basic Epidemiology	1C
PHT 812: Epidemiology of Communicable and Non-communicable Diseases	1C
PHT 813: Legal aspects of Public Health	1C
PHT 814: Research Methods	1C
PHT 815: Biostatistics	1C
PHT 816: Environmental Toxicology and Health	1C
TOTAL	7 Units

SEMESTER 2

AREAS OF SPECIALIZATION IN SEMESTERS 2.

- Management of Health Systems and Services 21 Units
- Epidemiology and Population Health 21 Units
- Health Promotion and International Health 21 Units
- M.P.H. in Disaster Management and Preparedness 21 Units
- M.P.H. in Occupational Health and Safety. 21 Units

I: MANAGEMENT OF HEALTH SYSTEMS AND SERVICES (PHM)

PHM 820: Principles, Organisation and Design of Management	1 ST
PHM 821: Health Policy, Planning and Administration	1 ST
PHM 822: Health Economics and Financing	1 ST
PHM 823: Management of Health Information Systems	1 ST
PHT 820: Project Planning and Management	1 C
PHT 821: Community-Based Health Care	1 C
PHT 822: Monitoring and Evaluation	1 C
TOTAL	7 Units

II: EPIDEMIOLOGY AND POPULATION HEALTH (PHE)

PHE 820: Control of Communicable and Non-Communicable Diseases	1 ST
PHE 821: Population Health and Development	1 ST

PHE 822: Disease Surveillance and Investigations	1 ST
PHE 823: Epidemiological Studies	1 ST
PHT 820: Project Planning and Management	1 C
PHT 821: Community-Based Health Care	1 C
PHT 822: Monitoring and Evaluation	1 C
TOTAL	7 Units

PHO 824: Industrial Hygiene and Environmental Management	1 ST
PHO 825: Quality Assurance for Health and Safety Administration	1 ST
PHD 826: Resource Mobilization, Networking, Advocacy and Lobbying	1ST
TOTAL	7 UNITS

III: HEALTH PROMOTION AND INTERNATIONAL HEALTH (PHP)

PHP 820: Theories and Principles of Health Promotion	1 ST
PHP 821: Health Promotion, Communication and Practice	1 ST
PHP 822: Health Education and Health Behaviour	1 ST
PHP 823: Health Psychology and Counselling	1 ST
PHT 820: Project Planning and Management	1 C
PHT 821: Community-Based Health Care	1 C
PHT 822: Monitoring and Evaluation	1 C
TOTAL	7 Units

PHT 823: PUBLIC HEALTH FIELD ACTIVITIES (field attachment)	2 C
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13. CONVERSION TABLE

CORE COURSES

	NEW (REVISED) COURSES		OLD COURSES
CODE	NEW TITLE	OLD CODE	OLD TITLE
PHT 810	Fundamentals of Public Health	PHT 810	Fundamentals of Public Health
PHT 811	Basic Epidemiology	PHT 811	Basic Epidemiology
PHT 812	Epidemiology of Communicable and Non-communicable Diseases	PHT 812	Control of Communicable and Non-communicable Diseases
PHT 813	Legal aspects of Public Health	PHT 813	Legal aspects of Public Health
PHT 814	Research Methods	PHT 814	Research Methods I
PHT 815	Biostatistics	PHT 822	Research Methods II
PHT 816	Toxicology and Environmental Health	PHT 815	Basic Biostatistics
		PHT 816	Environmental Toxicology and Health

IV. DISASTER PREPAREDNESS AND MANAGEMENT (PHD)

PHD 820: Principles of disaster preparedness and management	1ST
PHD 821: Emergency and Disaster Planning and Management	1ST
PHD 822: Economics of Disaster and Interagency Disaster Management	1ST
PHD 823: Consequence Management: Terrorism Preparation & Response	1ST
PHD 824: Emergency Management and Public Law	1ST
PHD 825: Communication and Information Systems for Emergencies	1 ST
PHD 826: Resource Mobilization, Networking, Advocacy and Lobbying	1ST
TOTAL	7 Units

SPECIALIZATION TRACKS

I: MANAGEMENT OF HEALTH SYSTEMS AND SERVICES (PHM)

CODE	NEW TITLE	OLD CODE	OLD TITLE
PHM 820	Principles, Organisation and Design of Management	PHM 820	Principles, Organisation and Design of Management
PHM 821	Health Policy, Planning and Administration	PHM 821	Health Policy, Planning and Administration
PHM 822	Health Economics and Financing	PHM 822	Health Economics and Financing
PHM 823	Management of Health Information Systems	PHM 823	Management of Health Information Systems
	Retired	PHP 824	Comparative International Health care systems
PHT 820	Project Planning and Management	PHT 820	Project Management and Evaluation
PHT 822	Monitoring and Evaluation Community-Based Health Care		
PHT 821	Community-Based Health Care	PHT 821	Community-Based Health Care

V: OCCUPATIONAL HEALTH AND SAFETY (PHO)

PHO 820: Principles and Practice in Occupational Health and Safety	1 ST
PHO 821: Management for Occupational Health and Safety	1 ST
PHO 822: Ergonomics and Occupational Health Services and Safety	1 ST
PHO 823: Law for Workplace Health & Safety	1 ST



II: EPIDEMIOLOGY AND POPULATION HEALTH (PHE)

CODE	NEW TITLE	OLD CODE	OLD TITLE
PHE 820	Control of Communicable and Non-Communicable Diseases	PHE 820	Epidemiology and Control of Non-Communicable Diseases
		PHE 821	Epidemiology and Control of Communicable Diseases
PHE 821	Population Health and Development Disease	PHE 824	Changing Demography, Health and Community Development
PHE 822	Surveillance and Investigations	PHE 822	Disease Surveillance and Outbreak Investigations
PHE 823	Epidemiological Studies	PHE 823	Epidemiological Studies and Statistical Methods
PHT 820	Project Planning and Management	PHT 820	Project Management and Evaluation
PHT 822	Monitoring and Evaluation		
PHT 821	Community-Based Health Care	PHT 821	Community-Based Health Care

III: HEALTH PROMOTION AND INTERNATIONAL HEALTH

CODE	NEW TITLE	OLD CODE	OLD TITLE
PHP 820	Theories and Principles of Health Promotion	PHP 820	Theories and Principles of Health Promotion
PHP 821	Health Promotion, Communication and Practice	PHP 821	Health Promotion, Communication and Practice
PHP 822	Health Education and Health Behaviour	PHP 822	Health Education and Health Behaviour
PHP 823	Health Psychology and Counselling	PHP 823	Health Psychology and Counselling
	Retired	PHP 824	Comparative International Health care systems
PHT 820	Project Planning and Management	PHT 820	Project Management and Evaluation
PHT 822	Monitoring and Evaluation		
PHT 821	Community-Based Health Care	PHT 821	Community-Based Health Care
	Retired	PHT 822	Research Methods II

IV. DISASTER PREPAREDNESS AND MANAGEMENT (PHD)

	NEW COURSES	Remarks
CODE	NEW TITLE	New
PHD 820	Principles of disaster preparedness and management	New
PHD 821	Emergency and Disaster Planning and Management	New
PHD 822	Economics of Disaster and Interagency Disaster Management	New
PHD 823	Consequence Management: Terrorism	New
PHD 824	Preparation & Response	New
PHD 825	Emergency Management and Public Law	New
PHD 826	Communication and Information Systems for Emergencies	New

V: OCCUPATIONAL HEALTH AND SAFETY (PHO)

	NEW COURSES	Remarks
CODE	NEW TITLE	New
PHO 820	Principles and Practice in Occupational Health and Safety	New
PHO 821	Management for Occupational Health and Safety	New
PHO 822	Ergonomics and Occupational Health Services and Safety	New
PHO 823	Law for Workplace Health & Safety	New
PHO 824	Industrial Hygiene and Environmental Management	New
PHO 825	Quality Assurance for Health and Safety	New
PHD 826	Administration Resource Mobilization, Networking, Advocacy	New

PHT 823: PUBLIC HEALTH FIELD ACTIVITIES (field attachment)

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