



*In Search of Better Health*

# KENYA MEDICAL RESEARCH INSTITUTE

DOCUMENT TITLE: MSC. GLOBAL HEALTH

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## PURPOSE OF THE PROGRAMME

The programme will address the challenges posed by global burden of diseases in the emerging global arena by offering courses in surveillance, prevention, and control of infectious diseases, as well as evaluating how they impact on global health. The programme draws upon the parallels that exist between diseases, and the challenges that exist in the prevention and control of diseases across the Globe. The course aims to equip professionals with expertise to build the foundations for a global community of practice.

## LEARNING OUTCOMES OF THE PROGRAMME

Upon the completion of the course, the graduate will acquire knowledge; develop skills and attitudes in

1. Investigating diseases of global significance
2. Advanced research and data analysis capabilities
3. Application of globally acceptable precision public health measures

## ENTRY REQUIREMENT

The following shall be eligible for registration for the Master of Science in Global Health

1. A holder of at least an Upper Second-Class Honours degree in, Medical Microbiology, BSc Environmental/ Public Health, BSc. Biochemistry, or Biological Sciences, from JKUAT or any other Institution recognized by JKUAT Senate.
2. A holder of BSc Nursing, B. Pharmacy, MBChB, Dentistry, BSc Community Health, Medical Laboratory Sciences or BVM from any Institution recognized by JKUAT Senate.
3. Under exceptional circumstances, a holder of a Lower Second Class Honours degree listed in 1 and 2 provided that the candidate produces acceptable evidence of research ability. In addition to the above, the applicant should also have satisfied the minimum entry requirements for admission to an undergraduate degree programme.

## DURATION AND PATTERN OF THE PROGRAMME

The duration of the Master of Science course shall be at least eighteen months (18 months) from the date of registration.

The Master of Science course in Master of Science in Global Health shall consist of:

- Taught courses listed below in the first year of study.
- Research, seminars, and thesis in the second year of study.

## PROGRAMME STRUCTURE

S/No.	Course Code	Course
<b>Year One Semester I</b>		
1.	PEH 3100	Research Methodology
2.	PPH 3100	Principles of Epidemiology
3.	PGH 3100	Demography and Population Health
4.	PEH 3101	Data Analytic, Visualization and Informatics
5.	PEH 3102	Biostatistics
6.	PPH 3105	Social Sciences in Health
7.	PPH 3109	Advanced Occupational and Environmental Health
<b>Year One Semester II</b>		
8.	PGH 3101	Global Health Determinants and Disease Patterns
9.	PGH 3102	Travel Medicine
10.	PEH 3106	Applied Epidemiology
11.	PPH 3111	Disaster Management
12.	PGH 3103	Health Systems Strengthening
13.	PGH 3104	Health Project Planning, Monitoring and Evaluation
14.	PPH 3103	Law, Ethics and Human Rights
<b>Year Two Semester I &amp; II</b>		
15	PPH 3110	Thesis