RISK METHODS SCHOOL

10 – 22 SEPTEMBER 2018

ARDHI UNIVERSITY - DAR ES SALAAM

Stream Two: Probing Risk and Vulnerability in the Health Sector

Course 1: ***Integrated qualitative methods for disaster risk research in the health sector***

Date: ***10 -14 September, 2018***

Understanding human behaviour and its socio-cultural context is key for effective public health response during disasters. Qualitative research provides a means to assess unquantifiable details and gain an in-depth understanding of the individual, groups and socio-cultural settings in which disasters and Public Health Emergencies (PHE) takes place.

This course will introduce participants to the philosophical foundations, characteristics and different approaches to designing and conducting qualitative research for disaster risks in the health sector. Participants will receive training in research methods and analytical tools to examine and design evidence-based study to address health needs in the context of disasters. The course covers research methods used in disaster and humanitarian settings.

This course is designed for a wide range of individuals including; health professionals, humanitarian workers, academics and researchers, health advisors and practitioners. The course is also applicable to individuals studying and working in health, policy, education and humanitarian sectors or postgraduate students of closely-related disciplines.

On completion of the course, participants are expected to:

- Demonstrate knowledge about disasters, their associated public health risks, impacts and outcomes.
- Describe the characteristics of qualitative research, as well as recognise and describe the major theoretical perspectives and principles which inform qualitative research.
- Identify the major research methods used in qualitative research, their application and critique the advantages and disadvantages of each.
- Understand the rationale and be able to identify qualitative research problems in disasters and associated PHEs.
- Demonstrate skills for designing, implementing qualitative research and data collection and analysis to examine health impacts of disasters.
- Demonstrate ability to effectively communicate qualitative research results.

Course content

- Introduction to disasters and Public Health emergencies
- Concepts and models for qualitative research
    - Basic concepts in disasters and PHE research: cultural diversity, beliefs, community, ethnicity, mobility, stigma and social exclusion, access to care, medical pluralism, social vulnerability, and adherence.
    - Theoretical research models

RISK METHODS SCHOOL

10 – 22 SEPTEMBER 2018

ARDHI UNIVERSITY - DAR ES SALAAM

Stream Two: Probing Risk and Vulnerability in the Health Sector

Course 1: ***Integrated qualitative methods for disaster risk research in the health sector***

Date: ***10 -14 September, 2018***

Course content (continued…)

- Qualitative research methods problem analysis in disasters and PHEs
- Qualitative data collection techniques in disasters and PHEs
  - Qualitative interviewing, theory and practice
  - Focus Group Discussions, theory and practice
  - Observations, theory and practice
  - Text analysis
  - Delphi technique
- Participatory action research methods in disasters and PHEs
- Qualitative research methodology (including basic concepts, triangulation, iteration and research process flexibility)
- Sampling techniques (including the logic and application of qualitative sampling techniques)
  - Non-probability sampling
  - Purposive, theoretical and snow-ball sampling
- Qualitative data analysis and interpretation
  - Sequential, interim, abductive analysis; context analysis; coding
  - Grounded theory: applicability and limitations for health research
  - Qualitative Data Analysis software
- Writing qualitative research reports and publications.

Entry prerequisites and requirements

- Minimum of a Bachelors degree in the Health Sciences, Geography, Urban Planning, Disaster (Risk) Management, Development Studies or related field (but preferably evidence of current enrolment in an approved Masters/PhD programme).
- Participants should be fluent in reading and speaking English.
- Relevant experience (especially for health professionals, humanitarian workers, researchers, disaster risk managers, health advisors and practitioners) in development and emergency contexts.

Equipment implications

While Ardhi will provide access to GIS computer laboratory facilities, participants are also encouraged to bring their own laptops or other equipment. Please check the Administrator Rights on your equipment, to ensure that settings can be adjusted if necessary.

RISK METHODS SCHOOL

10 – 22 SEPTEMBER 2018

ARDHI UNIVERSITY - DAR ES SALAAM

Stream Two: Probing Risk and Vulnerability in the Health Sector

Course presenters

The facilitators for the Health Vulnerability Risk Assessment course are leading international and regional experts with a wide variety of field experiences in disaster risk management and emergency health programming. Facilitators hold a range of expertise, knowledge and backgrounds from the World Health Organization (WHO), academic institutions, NGO's and research centres. These have immense experience and many have trained and practised for many years in complex emergencies.

Dr Ngoy Nsenga

Dr Ngoy Nsenga is currently the Team Lead of WHO Emergency Program for East and Southern Africa. He has previously served as Senior Regional Advisor on Emergency Preparedness and Risk Assessment at the Regional office for Africa of the World Health Organization (WHO). Dr Nsenga holds a degree in medicine (MD) and a Master's degree in Public Health (MPH) with more than 25 years of experience in managing public health programs. He is now completing his PhD in Public Health at Walden University, USA. His thesis is exploring a predictive effect of social vulnerability and health system capacity on the incidence of cholera in African countries. His area of research interest is on vulnerability and risk assessment and predictive models for infectious diseases. Dr Nsenga is fluent in French and English.

Professor Garimoi Chris Orach

Dr Christopher Garimoi Orach is a Professor of Community Health, departmental chair of Community Health and Behavioural Sciences, and Deputy Dean at Makerere University School of Public Health. He holds a PhD in Public Health from Vrije Universiteit Brussels; Master of Public Health (MPH) from the Institute of Tropical Medicine Antwerp; and Master of Medicine in Public Health (MMed PH), Diploma in Public Health (DPH), and Bachelor of Medicine and Bachelor of Surgery (MBChB) from Makerere University, Kampala. His research interests and publications include public health in complex emergencies, reproductive health, and community risk reduction. Professor Orach is the Coordinator of the Periperi U programme based at Makerere University.

RISK METHODS SCHOOL

10 – 22 SEPTEMBER 2018

ARDHI UNIVERSITY - DAR ES SALAAM

Stream Two: Probing Risk and Vulnerability in the Health Sector

Course presenters (continued…)

Prof. Frederick Salukele

Fredrick Mathew Salukele, PhD, is an Environmental Engineer. He has a strong academic background as well as qualifications and professional experience in the field of Environmental Engineering. Eng. Dr. Salukele is an Employee of Ardhi University (Formerly known as University College of Lands and Architectural Studies – UCLAS) since 2001. He is currently working as a Lecturer in the School of Environmental Science and Technology - Department of Environmental Engineering since 2013. Eng. Dr. Salukele's major fields of specialization are Solid Waste Technology and Management, Wastewater Engineering, Environmental Pollution, Water Supply, Disaster Risk Management and Environmental Impact Assessment. He has carried out numerous consultancies and research in the same fields. Eng. Dr. Salukele is a registered EIA expert with NEMC, registered with Engineers Registration Board (ERB) as a Professional Engineer and a resource person at the Disaster Management Training Centre at Ardhi University. Eng. Dr. Salukele holds a PhD in Environmental Technology from Wageningen University, The Netherlands, and an MSc and BSc. in Environmental Engineering from University of Dar es Salaam.