# Master of Public Health

## Programme Objective

To equip public health professionals to use systems and evidence-based approaches to identify and solve public health problems to improve the health of communities.

## Core Competencies

1. Estimate the burden, and identify patterns and determinants of disease and ill-health in communities.
2. Apply appropriate research methods and analytic tools to identify solutions to address community health and healthcare related problems.
3. Apply concepts and methods in social and behavioural sciences to evaluate and inform development of health promotion policies, programmes and services.
4. Apply knowledge of health systems, policy and financing, health economics and key global health issues to evaluate and inform development of public health policies, programmes and services.
5. Take into consideration ethical and legal principles in public health practice and policy.
6. Communicate public health research evidence effectively to different audiences.
7. Understand own professional strengths and personal skills to lead and work collaboratively in a public health team.

## Core Modules [24MC/5 Modules]

- SPH5001 Foundations of Public Health (OMC) [Graded as CS/CU]
- SPH5002 Public Health Research Methods (OMC)
- SPH5004 Introduction to Health Policy and Policy Analysis (4MC)
- SPH5003 Health Behaviour and Communication (4MC)
- SPH5005 Practicum (8MC)

### Specialisation: Occupational Health

#### Focus Areas

- Health Policy and Healthcare Delivery
- Epidemiology
- Health Promotion
- Global Health

### Elective Modules [24 MC/6 Modules]

#### GOAL

To equip public health professionals to use systems and evidence-based approaches to identify and solve public health problems to improve the health of communities.

#### OBJECTIVES

- Prevention and control of occupational, work related and general diseases, and health promotion at the workplace (How public health knowledge is applied to the workplace and the worker).
- To prepare students for careers in global health via the social, economic, and political determinants of health, and global responses to health problems.
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#### Subsequent Careers in Occupational Health

- Occupational safety and health professionals at organisations, factories and other workplaces (Workplace safety & health coordinator, Health programme coordinator, Occupational Health Nursing, Occupational medicine [specialists])

#### Specialisation Modules

- SPH5301 Occupational Safety and Health
- SPH5302 Occupational Toxicology and Industrial Hygiene
- SPH5303 Workplace Assessment
- SPH5304 Occupational Ergonomics
- SPH5407 Programme Evaluation

#### Medical Professionals: 24MC/6 modules

#### Non-medical: 20MC/5 modules

#### Highly Recommended (Introduction to area, or highly useful methods and skills)

- SPH5402 Management of Healthcare Organisations
- SPH5404 Measuring and Managing Quality of Care
- SPH5405 Introduction to Health Services Research
- SPH5303 Clinical Occupational Medicine

- SPH5406 Environmental Health
- SPH5407 Public Health

#### Recommended Elective Modules for non-medical (4MC)

- 1 elective module

#### Recommended (More specialised, other useful methods and skills, specific fields of study)

- SPH5401 Health Economics and Financing
- SPH5412 Economic Methods in Health Technology Assessment
- SPH5411 Information Technology in Healthcare
- SPH5104 Healthcare Analytics
- SPH5501 Public Health Communication
- SPH5409 Qualitative Methods in Public Health
- SPH5408 Public Health and Ageing
- SPH5201 Control of Communicable Diseases
- SPH5202 Control of Non-Communicable Diseases
- SPH5101 Advanced Quantitative Methods I
- SPH5407 Programme Evaluation
- SPH5102 Design, Conduct and Analysis of Clinical Trials
- SPH5104 Healthcare Analytics
- SPH5501 Public Health and Ageing
- SPH5603 Nutritional Epidemiology
- SPH5306 Environmental Health
- SPH5410 Developing Health Proposals using DME Skills & Tools
- SPH5201 Control of Communicable Diseases
- SPH5202 Control of Non-Communicable Diseases
- SPH5406 Contemporary Global Health Issues
- SPH5408 Public Health and Ageing
- SPH5204 Nutrition and Health
- SPH5306 Environmental Health
- SPH5409 Qualitative Methods in Public Health
- SPH5501 Public Health Communication
- SPH5403 Medical and Humanitarian Emergencies
- SPH5201 Control of Communicable Diseases
- SPH5202 Control of Non-Communicable Diseases
- SPH5408 Public Health and Ageing
- SPH5204 Nutrition and Health
- SPH5306 Environmental Health