

FAREAST INTERNATIONAL UNIVERSITY

FACULTY OF SCIENCE

DEPARTMENT OF PUBLIC HEALTH

MASTER OF PUBLIC HEALTH (MPH)

COURSE CURRICULUM

Course Aims:

1. To impart knowledge for understanding and appreciation of the importance and scope of public health as a key discipline.
2. To provide background knowledge for assisting with the identification and prioritization of health problems in the community.
3. To impart training for developing research and learning skills necessary to assist with the development and implementation of action and intervention strategies for implementing public health.
4. To complement and to promote the teaching curriculum in Public Health education in a way that will secure national, regional and international collaboration as well as establishing Public Health research as a prime discipline of medical education and health services. To impart knowledge and skill on individual disciplines.

Course Objectives:

OBJECTIVES OF THE PROGRAM

The objective of the MPH International Program is to provide health professionals with the skills and competencies needed today for providing high standard public health care in order to improve the health status and quality of life in developing countries.

At the end of the course the students will be able to-

1. Gain Knowledge in related disciplines for explaining and identifying concept, objectives, goals, importance, elements, priority areas regarding human health promotion and other public health areas.
2. Ensure the importance, activities and role in public health improvement of various public health institutes/ organizations.
3. Understand basic epidemiology, group behaviors, leadership, community organization, community development and community empowerment.
4. Explain basic concept, components, characteristics, types, advantages & disadvantages, steps, barriers of communications, and types, advantages & disadvantages, and uses of specific methods & media and to develop different media and its uses in various programs.
5. Explain the concept and components of school health programs, training

technology, models of training process and development of curriculum & module components of lesson plan and preparation, and task analysis.

6. Use the modern research techniques and analytic tools to conduct studies in public health disciplines and Organize, arrange, conduct and present seminars, workshops, meetings and research on

critical public health problems.

7. Explain basic mechanism of disease, etiology, pathogenesis. morphological changes and co-related between clinical findings, Pathological changes and how to intervene from the standpoint of public health.

8. Gain expertise and experience in operating computers, soft wares and other communication tools for collecting, organizing, analyzing and disseminating data in public health disciplines.

ADMISSION REQUIREMENTS

ACADEMIC QUALIFICATIONS:

Evaluation of applicants for admission is based primarily on the student's academic records.

Minimum second division or (2.5 on average GPA) both in SSC and HSC from Science or any equivalent background with Biology/Chemistry/Mathematics. Students who have completed Bachelor in public health with English medium background are encouraged to apply for admission in Master of public health.

OR

Bachelors degree in Medicine and Surgery (MBBS) or equivalent professional degree in alternate medicine, dentistry or Doctor of Medicine (MD) from any recognized national and overseas university with at least two years of practical exposure in the professional field. The doctor must have to be registered with Bangladesh medical and Dental Council/ National Registration Authority.

OR

Four-year undergraduate degree from a recognized university with a grade point average of 2.5 or more on a scale of 4.0 in social sciences, anthropology and economics.

OR

Three-year bachelors' degree with honors, with at least a second class in social sciences, anthropology and psychology.

OR

Master degree in a health related subject or in any social science and science subjects with an experience of working in health related fields.

OR

A two years graduation in nursing from any recognized university after duly completed four years registered & Bachelor of Public Health (BPH) & Nursing course from government recognized institutes. Students other than medical graduated may required to appear before Medical Background Examination Committee to prove their understanding about human health and diseases. They may require taking additional preparatory courses at FIU even after qualifying the test.

ADMISSION PROCESS

Students will be selected on the basis of past academic records and performance in admission test. Applicants finally accepted for the program will be notified of acceptance and registration within specific date. They will produce original certificate/ testimonials and mark sheets/ for all examinations passed at the time of admission. Candidates who have completed the above formalities will have to pay requisite admission and other fees for enrollment.

ATTENDANCE

The program is offered in full-time, on-campus mode at the main campus. Free choice electives may be chosen from anywhere in the University, including from the other majors in the program and also at other faculties of the University. There is a compulsory workplace placement in fourth year. This practicum program will feature placement with an appropriate workplace, or workplaces, for a set number of days specified by each of the majors. For some majors, fieldtrips and conference attendance may be counted towards required practicum days. In some cases, students can commence practicum before second semester, fourth year, by negotiation with the workplace and practicum supervisors.

PROFESSIONAL RECOGNITION

The program also integrates knowledge and practice from a range of fields including nutrition and dietetics, occupational health and safety, occupational rehabilitation and industrial relations.

As a graduate, depending on your choice of major, you'll be eligible for membership of:

- The Public Health Association of Bangladesh
- Sports Medicine in Bangladesh and the Nutrition Society
- Associate membership of the Dietitians Association of Bangladesh
- The Institute of Environmental Health and the Health Promotion Association
- The International Union of Health Promotion and Education and the Safety Institute of Bangladesh.

CAREER OPPORTUNITIES

Graduates of this program will be well positioned to take up employment in the health industry in both private companies and in government at the Commonwealth, State and local level, or undertake postgraduate research work. Opportunities will also be available in international organizations, in community health and in health care organizations.

Environmental Health: Graduates with this major, will be able to work as environmental health officers and in areas such as environmental health management, environmental health protection, industry pollution management, and food and drug safety.

HEALTH PROMOTION

Graduates of this major, will be able to work as health promotion officers and in community health areas such as chronic disease prevention, work/life balance, sexual and reproductive health promotion and HIV/AIDS prevention, promotion of healthy nutrition and physical activity, harm minimization relating to the impact of alcohol, tobacco and other drugs, and the promotion of healthy environments

NUTRITION

Graduates with this major, will be able to work in the private and public health sector, the health and fitness industry, community and public health nutrition services, indigenous nutrition and health, the food industry and in the mass media. You will also be eligible to enter the Master of Nutrition and Dietetics. The Nutrition major has been designed to fully prepare you for this postgraduate professional study, including the necessary prerequisites and coursework requirements.

MEDIUM OF INSTRUCTION

The medium of instructions in MPH is English; as such proficiency in English is a prerequisite for the candidates to get admission in the program.

ATTENDANCE

In MPH program, the participants are required to attend 80% of the classes held in each course in a semester failing which they will not be allowed to sit for the Semester Final Examination. However, the authority may condone the shortage of required percentage on grounds acceptable to the authority.

AWARD OF DEGREE

Fareast International University awards MPH degree on the recommendation of the School of Public Health & Life Sciences and approval by the university Academic Council and Syndicate to the participants who fulfill all the requirements of the degree.

OVERVIEW

The Master of public Health (MPH) degree is the most widely recognized professional credentials for leadership in public health. Based on the extensive experience in teaching, research and development, the Fareast International University in academic collaboration with leading Local & International Universities and International organizations offers the Master of Public Health (MPH) International Program for medical and non-medical health professionals. The program emphasizes on the development skills and competency in management, research and communications of health programs.

The program has following areas of specializations:

- Epidemiology
- Biostatistics
- Reproductive and Child Health
- Public Health Management
- Environmental Health Science
- Behavioral Science and Health Communications
- Dental Public Health
- Public Health Nutrition
- Communicable Diseases, HIV/AIDS, Cancer and Heart Diseases

SPECIAL FEATURES OF MPH INTERNATIONAL PROGRAM

- All Public Health Faculty members are highly educated & trained in North American accredited internationally reputed Universities
- Internship in International Organizations USAID, ICDDR, Save the Children, FHI, UNAIDS, UNFPA & WHO for career development opportunities
- USAID competitive fellowship opportunity for MPH fellows of FIU
- Dissertation grants opportunity from John's Hopkins University, Water Aid & Cares
- 50% tuition waiver for candidate with highest score in admission test and those with 3.80 CGPA in their undergraduate degree from Fareast International University
- Financial assistance up to 75% & Part-time job opportunity for deserving MPH students
- Course waiver & Credit transfer based on academic background and experience
- Friday and Evening classes facility

Distribution of Courses

Total credit hours: 51	Duration: 16	Months Semesters: 4
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Course contents

The Program offers 6 core courses and several elective/optional courses in the curriculum.

The university encourages most of the core courses to be completed in the first two semesters. There is arrangement for flexible options as per need of the respective learner.

Sl. No.	Type of Courses	Number of Courses	Credit Hours	Duration
01.	Core Courses	6	18	2 semesters
02.	Required/Track courses	3	9	2-3 semesters
03.	Optional Courses/Directed studies	4	11	2-3 semesters
04.	Dissertation	1	10	Final semester
05.	Practicum/Internship	1	3	Prior to final semester
	Total	15	51	

Core Courses: 18 credit hours (Compulsory for all students):

Course Title	Credits	Duration
Epidemiology I	3	1 semester
Biostatistics I	3	1 semester
Public Health Information, Education and Communication (PHIEC)	3	1 semester
Environmental Health	3	1 semester
Research Methodology	3	1 semester
Health Service Management	3	1 semester
Total	18	

TRACK - WISE DISTRIBUTION OF COURSES

TOTAL COURSES FOR EPIDEMIOLOGY

	Course Title	Credit Hours
Core public health courses:		18
	Epidemiology II	3
	Data management and analysis	3
	Clinical Epidemiology	3
Elective courses:		9
	Directed studies in Public Health	2
	Practicum or internship	3
	Dissertation	10
	Total	51

TOTAL COURSES FOR HOSPITAL MANAGEMENT

	Course Title	Credit Hours
Core public health courses:		18
	Principles and Functions of Hospital Management	3
	Health Economics and Financing	3
	Human Resource Development and Management (HRD & HRM)	3
Elective Courses:		11
	Practicum or internship	3
	Dissertation	10
	Total	51

TOTAL COURSES FOR HEALTH MANAGEMENT AND DEVELOPMENT

	Course Title	Credit Hours
Core public health courses:		18
	Health Policy, Planning and Law	3
	Human Resource Development and Management (HRD & HRM)	3
	Health Economics and Financing	3
Elective Courses:		11
	Practicum or internship	3
	Dissertation	10
	Total	51

TOTAL COURSES FOR ENVIRONMENTAL AND OCCUPATIONAL HEALTH

	Course Title	Credit Hours
Core public health courses:		18
	Occupational Health	3
	Environmental Toxicology	3
	Environmental Risk assessment and management	3
Elective courses:		11
	Practicum or internship	3
	Dissertation	10
	Total	51

TOTAL COURSES FOR REPRODUCTIVE AND CHILD HEALTH (RCH)

	Course Title	Credit Hours
Core public health courses:		18
	Reproductive Health	3
	Maternal and Child Health	3
	Adolescent Health	3
Elective Courses:		11
	Practicum or internship	3
	Dissertation	10
	Total	51

TOTAL COURSES FOR HIV/AIDS AND INFECTIOUS DISEASES

	Course Title	Credit Hours
Core public health courses:		18
	Public Health Aspects of HIV/AIDS/STDs	3
	Epidemiology of HIV/AIDS and Infectious Diseases	3
	HIV/AIDS Interventions and Community Care	3
Elective Courses:		11
	Practicum or internship	3
	Dissertation	10
	Total	51

TOTAL COURSES FOR PUBLIC HEALTH NUTRITION

	Course Title	Credit Hours
Core public health courses		18
	Public Health Nutrition	3
	Clinical Nutrition	3
	Public Health aspects of Nutritional deficiency	3
Elective Courses:		11
	Practicum or internship	3
	Dissertation	10
	Total	51

TOTAL COURSES FOR BIOSTATISTICS

	Course Title	Credit Hours
Core public health courses:		18
	Data management and analysis	3
	Epidemiology II	3
	Application of computer software in Public Health	3
Elective courses:		11
	Practicum or internship	3
	Dissertation	10
	Total	51

TOTAL COURSES FOR PUBLIC HEALTH INFORMATION, EDUCATION AND BCC

	Course Title	Credit Hours
Core public health courses:		18
	Behavior Change Communication	3
	Health Behavior and Education	3
	Public Health education, Information and Communication	3
Elective courses:		11
	Practicum or internship	3
	Dissertation	10
	Total	51

TOTAL COURSES FOR POPULATION AND DEMOGRAPHY

	Course Title	Credit Hours
Core public health courses:		18
	Data management and analysis	3
	Population and Demography	3
	Application of Computer and Software in Public Health	3
Elective courses:		11
	Practicum or internship	3
	Dissertation	10
	Total	51

TOTAL COURSES FOR PUBLIC HEALTH DENTISTRY

	Course Title	Credit Hours
Core public health courses:		18
	Public Health Aspects & Epidemiology of Oro dental Diseases	3
	Oro dental Hygiene	3
Elective courses:		14
	Practicum or internship	3
	Dissertation	10
	Total	51

LIST OF COURSES

Course Title	Credit Hours
Introduction to Public Health (GED Course for Undergraduate students)	-
Personal Health (GED Course for Undergraduate students) -	-
Introduction to Public Health and Medical Terminology*	2
Masters Level Seminar	3
Practicum or Internship	3
Fundamentals of Emergency Management	3
International Health	3
Fundamentals of Biostatistics	3
Health Services Ethics, Laws, Policies and Regulations	3
Health Service Resources Management	3
Managing People and Organizations in Health care	3
Managing Corporate Communications	3
Organization Analysis for Health Service Improvement	3
Fundamentals of Occupational Safety	3
Environmental Health	3
Fundamentals of Epidemiology	3
Epidemiology of HIV/AIDS and Infectious Diseases	3
Epidemiology of Non Communicable Diseases	3
Public Health aspects and Epidemiology of Oro dental Diseases	3
Health Economics and Financing	3
Health Behavior and Education	3
Health Education and Health Promotion	3
Public Health Information, Education & Communication (PHIEC)	3

Behavioral Aspects of Health and Illness	3
Behavior Change Communication (BCC)	3
Reproductive Health	3
Maternal and Child Health	3
Population and Demography	3
Health Policy and Planning	3
Public Health Nutrition	3
Health Administration and Management	3
Public Health Problems and Community Diagnosis	3
Hospital Management	3
Directed studies in Public Health	2
Human Resource Development & Management (HRD & HRM) for Health Services	3
Operation Management & Leadership Development	3
Total Quality Management and Clinical Governance	3
Data Management and analysis	3
Research Methodology	3
Research Methodology	3
Application of Computer Software in Public Health	3
Information Technology in Disaster Management	3
Health Informatics and e-Governance	3
Financial Management of Health Service Organizations	3
Health Services Research	3
Strategic Management in Health programs	3
Health Services Planning and Development	3
Occupational Health	3

Environmental Toxicology	3
Environmental risk assessment and management	3
Hazard and Disaster Management	3
Industrial Hygiene and hazard management	3
Disaster Risk Analysis and Management	3
Environmental risk and health impact	3
Public Health Aspects of HIV/ AIDS/STDs	3
Epidemiology II	3
Tropical Medicine	3
Communicable Disease Control	3
Non-communicable disease control	3
Epidemiology of Accidents and Injury	3
HIV/AIDS Interventions and Community Care	3
Oral Hygiene	3
Mental Health	3
Adolescent Health	3
Contemporary Issues in Reproductive Health Management	3
Clinical Nutrition	3
Public Health aspects of Nutritional deficiency	3.
Health Rights, Welfare and Ethics-social context	3
Principles and Functions of Hospital Management	3
Dissertation Proposal and presentation	5
Final dissertation and defense	5
Principles of Microbiology, Parasitology and Medical Entomology	3