



## School of Public Health

**BHARTIYA MAHAVIDYALAYA ROORKEE**  
(SPH - BM Roorkee)

**PROSPECTUS**

# MPH

**MASTER IN PUBLIC HEALTH**

AFFILIATED TO UGC APPROVED | STATE GOVERNMENT UNIVERSITY

SHRI DEV SUMAN UTTARAKHAND UNIVERSITY, TEHRI GARHWAL



CAMPUS: Saini Institutional Area | Vill: Berpur | Piran Kaliyar | Roorkee | Haridwar | Uttarakhand | India

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## 1.0 The Public Health Landscape in India:

Despite significant achievements over the years, Public Health challenges continue to stretch the existing resources, both in India and in the world. The countries, across the globe, strive towards achieving the Millennium Development Goals, yet the agenda remains unfinished. With the commencement of Sustainable Development Goals (SDG) era, a renewed thrust is required to maintain and improve upon the progress achieved so far. While old threats continue to challenge health systems, new issues and challenges have appeared, thereby overburdening the health systems. Countries have developed an increased ownership towards the need to create a healthier population. Across the world, governments and voluntary organizations have worked towards strengthening the health systems through multiple approaches. Creation of a dedicated Public Health Cadre has been identified as one of the important pre-requisites in this direction. Public Health professionals help in bridging the gap between the clinical and managerial aspects of the program implementation and provide techno-managerial inputs. Public Health Programs demand a special emphasis on the study of disease epidemiology, various determinants of health & emerging challenges in health, public policy making and program management. The determinants of health reside both within and beyond the formal health sector. Public health, as defined by Winslow is both an 'art' and a 'science'. Every discipline has its unique perspective of the world. We believe these perspectives from individual disciplines enrich public health. This course will be an attempt to prepare competent cadre of professionals who have a basic understanding of the various aspects of public health and are able to successfully apply this knowledge towards meeting public health challenges in Indian context.

### 1.1 Establishment of the Taskforce on Public Health in India:

The Joint Working Group UK- India embarked on the Master of Public Health (MPH) curriculum under the direction of Joint Secretary (Medical Education and Training) and held its first meeting on Sep 03, 2014 at New Delhi and the second meeting in January 2015 in London, UK. Subsequent to further joint meetings, led by the two co-chairs, it was decided to form a Taskforce on Public Health Education (PHE) in India under the Sub-group on Health Education and Training with expert members from the two countries.

The curriculum guideline that follows herewith, is a result of detailed deliberations, both remote and in person, between public health (PH) experts of both countries. As prescribed in the Terms of Reference for the Taskforce, the following essential elements, among others, have been addressed and included:

- a) Level of course/ semester(s) for MPH
- b) Minimum duration of course work
- c) Evaluation criteria
- d) Expected skills and competencies to be developed in the PH Postgraduate

## **1.2 Overall Course Objectives in terms of Skills, Competencies and Learning Outcomes:**

The course will help candidate to develop skills in the following areas:

- Analytical and assessment skills for collecting and interpreting information
- Policy planning and development skills to address public health challenges
- Communication skills for advocacy, dissemination and evaluation of public health data and information
- Financial planning and management skills for running public health programs in the country
- Leadership skills

**At the end of the 2-years program, the PH Post-graduates are expected to demonstrate the following Broad Values in the context of Public Health:**

1. Apply contemporary ideas to influence program organization and management, problem solving and critical thinking in public health domain
2. Undertake operational research in institutional and field settings
3. Work in socially, culturally and economically diverse populations by being attentive to needs of vulnerable and disadvantaged groups and be well versed with existing health systems
4. Demonstrate qualities of leadership and mentorship
5. Be an effective member of a multidisciplinary health team
6. Demonstrate ethics and accountability at all levels (professional, personal and social)
7. Practice professional excellence, scientific attitude and scholarship
8. Demonstrate social accountability and responsibility
9. Be open to lifelong learning

**Specific to the course content, successful candidates are expected to demonstrate the following competencies in a Public Health setting:**

1. Apply the course learning to the public health system and its challenges:
  - a. Demonstrate adequate knowledge and skills to a wide range of public health topics
  - b. Critically conduct the situational analysis and develop action plan for identified public health issues
  - c. Develop workforce for taking public health related responsibilities in defined geographical areas
  - d. Develop an understanding of the epidemiological transitions of programs specific to each State within the country in order to prioritize public health challenges for policy making
2. Develop, implement and evaluate key public health policies:
  - a. Develop a capacity to apply conceptual framework to understand policy processes in health care
  - b. Understand roles of supply and demand in policy making in health care

- c. Develop an understanding to facilitate inter-sectoral coordination and publicprivate partnership
- d. Critically analyse resource allocation for competing public health interests across programs
- e. Formulate context appropriate policies and design programs to address public health challenges, effectively

### **3. Develop and demonstrate competency in managing health systems at different levels:**

- a. Identify immediate and long term health program goals at national, State and district levels
- b. Prioritize health issues in population
- c. Describe various managerial information systems and their application
- d. Describe program management plans in health
- e. Understand and apply core management principles for human resources in health
- f. Understand and apply program budgeting and economic evaluation
- g. Understand and apply quality assurance and improvement techniques in health care

### **4. Develop competency in research:**

- a. Understand and apply ethical principles in research, evaluation and dissemination
- b. Develop competence to critically evaluate existing information and identify gaps
- c. Formulate and test research hypotheses in real world scenario
- d. Translate research knowledge for evidence based policy making

#### ***Eligibility Criteria for the Masters in Public Health Program:***

Since public health is interconnected and influenced by our surrounding, global institutions have wide eligibility criteria for undertaking the Masters in Public Health (MPH) programs. In the Indian context, we see a very important role for candidates from multiple professional backgrounds within MPH programs. Thereby, the eligibility Criteria for MPH program in India may include both science as well as non-science graduates.

#### ***The following are suggested eligibility criteria for the MPH Program in India: Graduates in***

- Medicine / AYUSH / Dentistry / Veterinary Sciences / Allied and Health Sciences / Life Sciences
- Statistics / Biostatistics / Demography / Population Studies / Nutrition / Sociology / Psychology / Anthropology / Social Work

*Although highly recommended, candidates need not be restricted to the above disciplines and graduates from selected backgrounds other than these, may be taken by the Universities, when considering the overall aptitude and eligibility of a certain candidate.*

Demonstrated work experience in a healthcare-related field is highly desirable.

1.4 Duration of the course: This course is designed to be a two years' full time program including internship and dissertation.

### 1.5 Course outline

The MPH course will comprise of 15 Core modules and several elective modules which may be offered by Universities depending on their capacity and capability. Four elective streams comprising five modules each have been suggested in this document in addition to 15 Core modules. A candidate will need to pass 15 Core (compulsory) modules, and five (5) elective modules of the chosen stream to successfully complete the program.

#### A. Core modules (compulsory for all four streams)

- a. Principles and practice of Public Health
- b. Introduction to health system and policy in Developing countries
- c. Health Management: Management Principles and practices
- d. Basic Epidemiology
- e. Basic Biostatistics
- f. Demography and population sciences
- g. Introduction to health economics
- h. Health promotions approaches and methods and evaluation
- l. Introduction to financial management and budgeting
- j. Social and behaviour change, effective communication in health care
- k. Reproductive, Maternal, Neonatal, Child Health and Adolescent Health (RMNCH+A) also to include Family Planning
- l. Introduction to health programme evaluation
- m. Principles of social research methods
- n. Environment and occupational health
- o. Law and ethics in public health

#### B. Elective streams

- Epidemiology
  - i. Advanced Biostatistics
  - ii. Advanced Epidemiology
  - iii. Survey design and methods
  - iv. Infectious disease epidemiology
  - v. NCD epidemiology

Note: Modules (i) to (v) compulsory for Epidemiology Stream

- Health system management
  - i. Strategic management in health care and Health Entrepreneurship
  - ii. Advanced Operational research
  - iii. Advanced Financial management and budgeting
  - iv. Organizational management and services
  - v. Effective advocacy and communication in Public Health

*Note: Modules (i) to (v) compulsory for Health Management Stream*

- Health Programme, Policy and Planning
  - i. Health policy, process and planning
  - ii. Programme planning and evaluation of public health programmes (including current NHPs)
  - iii. Translating research into policy and health advocacy
  - iv. Current issues in Health Policy: National and global perspective
  - v. Role of non-governmental organizations in health care

*Note: Modules (i) to (v) compulsory for Health Programme, Policy and Planning Stream*

- RMNCH+A
  - i. Sexual and Reproductive health
  - ii. Maternal and child health
  - iii. Adolescent health
  - iv. Gender and health
  - v. Public health nutrition

*Note: Modules (i) to (v) compulsory for RMNCH+A Stream*

C. Internship

D. Dissertation

## How to apply

Students who wish to apply for MPH course, has to submit an admission request application in the name of Program Director School of Public Health, Bhartiya Mahavidyalaya, Roorkee.

Step.1. Open the link <https://sriramedustrust.in/adm-reg>

Step 2. Fill the application form and attach all required documents.

Step 3. Upload the application & submit the final form.

**Course Duration: 02 Year / 04 Semester**

**Course Fee: INR 75,000 pa** (Indian Students)

**USD 3000 pa** (International Students)

Registration Fee: INR 1500

Exam Fee: As per University direction

**Fee Payment mode:**

\* **Demand Draft** in Favour of “**Bhartiya Mahavidyalaya Roorkee**”

## Online Payment:

Bank: NEFT / RTGS

UPI →

**Bhartiya Mahavidyalaya Roorkee**

Indian Bank A/C No: **50329836610**

IFSC Code: **IDIB000B782**

