



(U/S 2(f) and 12B of the UGC Act 1956, NAAC Accredited)

# DESH BHAGAT UNIVERSITY, MANDI GOBINDGARH

## FACULTY OF ALLIED HEALTH SCIENCES

### MASTER OF PUBLIC HEALTH

#### Programme Outcomes (POs):

**PO1:** Apply contemporary ideas to influence program organization and management, problem solving and critical thinking in public health domain.

**PO2:** Undertake operational research in institutional and field settings.

**PO3:** 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

**PO4:** Demonstrate qualities of leadership and mentorship

**PO5:** Be an effective member of a multidisciplinary health team

**PO6:** Demonstrate ethics and accountability at all levels (professional, personal and social)

**PO7:** Practice professional excellence, scientific attitude and scholarship

**PO8:** Demonstrate social accountability and responsibility

**PO9:** Be open to lifelong learning.

**PO10:** Will be able to address behavioral, social and cultural factors that impact individual and population health and health disparities over the life course.

#### Semester 1<sup>st</sup>

**Course Code: MPH-101**

**Title of the Course: Principles & Practices of Public Health**

L	T	P	Credit
3	-	-	1.5

#### Course Outcomes:

**CO1:** Be population based.

**CO2:** Emphasize collective responsibility for health, its protection and disease prevention.

**CO3:** Recognize the key role of the state, linked to a concern for the underlying socioeconomic and wider determinants of health, as well as disease.

**Course Code: MPH-102**

**Title of the Course: Introduction to Health System & Policy in Developing Countries**

<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
<b>4</b>	-	-	<b>2</b>

**Course Outcomes:**

**CO1:** It aims to offer superior health services to every age group and gender.

**CO2:** The policy focuses on providing universal access to excellent quality health care services at a reasonable cost.

**CO3:** Promoting health care orientation in every developmental policy.

**Course Code: MPH-103**

**Title of the Course: Basic Epidemiology Including Communicable & Non-Communicable Diseases**

<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
<b>5</b>	-	-	<b>2.5</b>

**Course Outcomes:**

**CO1:** Seeks to understand the specific contribution of particular health care practices and interventions.

**CO2:** It involves study design, critical review, and implement/measurement.

**CO3:** Analyze health outcomes studies.

**Course Code: MPH-104**

**Title of the Course: Health Management: Management Principles & Practices (Strategic Management)**

<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
<b>4</b>	-	-	<b>2</b>

**Course Outcomes:**

**CO1:** Understand the concepts related to Business.

**CO2:** Demonstrate the roles, skills and functions of management.

**CO3:** Analyze effective application of PPM knowledge to diagnose and solve organizational problems and develop optimal managerial decisions.

**CO4:** Understand the complexities associated with management of human resources in the organizations and integrate the learning in handling these complexities.

**Course Code: MPH-105**

**Title of the Course: Demography & Population Sciences**

<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
<b>3</b>	-	-	<b>1.5</b>

**Course outcomes:**

**CO1:** Understand the basics of demography.

**CO2:** Understand the core social demographic variables, and how these variables influence population growth, composition, and structure

**CO3:** Use demographic tools in understanding public health issues Knowledge attitude and practices.

**CO4:** Discuss global demographic regimes and impact on public health.

**CO5:** Identify appropriate sources of data, perform basic demographic analyses using various techniques and ensure their comparability across populations.

**Course Code: MPH-106**

**Title of the Course: Basic Biostatistics**

<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
<b>5</b>	<b>-</b>	<b>-</b>	<b>2.5</b>

**Course outcomes:**

**CO1:** Describe the roles biostatistics serves in the discipline of public health.

**CO2:** Apply basic statistical concepts commonly used in public health and health Sciences

**CO3:** Demonstrate basic analytical techniques to generate results

**CO4:** Interpret results of commonly used statistical analyses in written summaries

**CO5:** Demonstrate statistical reasoning skills accurately and contextually

## **SEM-2ND**

**Course Code: MPH-201**

**Title of the Course: Introduction to Health Economics**

<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
<b>3</b>	<b>-</b>	<b>-</b>	<b>1.5</b>

**Course Outcomes:**

**CO1:** Demonstrate knowledge of the roles and limitations of markets and incentives in health systems.

**CO2:** Distinguish between the different forms of economic evaluation and show an understanding of the advantages and disadvantages of the various approaches.

**CO3:** Critically review published economic evaluations of health technologies.

**CO4:** Demonstrate an understanding of the techniques used to measure both costs and benefits in the evaluation of health care.

**Course Code: MPH-202**

**Title of the Course: Health Promotion Approaches & Methods**

<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
<b>3</b>	-	-	<b>1.5</b>

**Course Outcomes:**

**CO1:** Describe health Communication Skill and health promotion theories

**CO2:** Define the roles of mass media Communication Skill, health education and health literacy, technology and eMedicine, patient-physician Communication Skill in improving health of the people.

**CO3:** Describe research methods in developing effective health messages

**CO4:** Critically examine health messages in clinical encounters and in the media

**CO5:** Develop written/oral Communication Skill Psychomotor Skills in editorials, health education material, publicservice announcements.

**Course Code: MPH-203**

**Title of the Course: Introduction to Financial Management & Budgeting**

<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
<b>4</b>	-	-	<b>2</b>

**Course outcomes:**

**CO1.** Demonstrate the applicability of the concept of Financial Management to understand the managerial Decisionsand Corporate Capital Structure

**CO2.** Apply the Leverage and EBIT EPS Analysis associate with Financial Data in the corporate

**CO3.** Analyse the complexities associated with management of cost of funds in the capital Structure

**CO4.** Demonstrate how the concepts of financial management and investment, financing and dividend policy decisions could integrate while identification and resolution of problems pertaining to LSCM Sector.

**CO5.** Demonstrate how risk is assessed.

**Course Code: MPH-204**

**Title of the Course: Social & Behavior Change, Effective Communication in Health Care**

<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
<b>3</b>	-	-	<b>1.5</b>

**Course Outcomes:**

**CO1:** To develop tailored messages and approaches using a variety of communication channels.

**CO2:** To develop positive behaviors; promote and sustain individual, community and societal behavior change.

**Course Code: MPH-301**

**Title of the Course: Reproductive, Maternal Health, Child Health & Adolescent (RMNCH+A)**

<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
<b>3</b>	-	-	<b>1.5</b>

**Course Outcomes:**

**CO1:** Health systems strengthening (HSS) focusing on infrastructure, human resources, supply chain management, and referral transport measures.

**CO2:** Prioritization of high-impact interventions for various lifecycle stages.

**CO3:** Increasing effectiveness of investments by prioritizing geographical areas based on evidence.

**Course Code: MPH-302**

**Title of the Course: Introduction to Design and Evaluation of Public Health Programs**

<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
<b>5</b>	-	-	<b>2.5</b>

**Course Outcomes:**

**CO1:** Determine the effectiveness of a given intervention. □

□ □ □ □ Assess and improve the quality of the intervention.

**CO3:** This module will introduce you to several key types of evaluation in public health, including outcome evaluation, process evaluation, and formative evaluation.

**CO4:** You will also learn how quality is measured in health care.

**Course Code: MPH-303**

**Title of the Course: Principles of Social Research Methods**

<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
<b>5</b>	-	-	<b>2.5</b>

**Course Outcomes:**

**CO1:** To provide an understanding of various perspectives and methods in social research.

**CO2:** To equip students with tools for data collection.

**CO3:** To enable students to undertake independent social research.

**Course Code: MPH-304**

**Title of the Course: Environment & Occupational Health**

<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
<b>3</b>	-	-	<b>1.5</b>

**Course Outcomes:**

**CO1:** Apply the basic concepts and fundamentals of environmental health sciences and key environmental health issues.

**CO2:** Develop the risk assessment concepts and make decisions about the environmental health issues.

**CO3:** Develop skills in analyzing, sensitizing and managing the community about environmental health issues.

**CO4:** Interpret in appropriate biological, chemical and physical terms the potential consequences of exposure to hazardous environmental/occupational agents

**CO5:** Diagnose the cause of environmental pollution and design appropriate control measures to improve the health outcomes.

**Course Code: MPH-304****Title of the Course: Law & Ethics in Public Health**

<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
<b>3</b>	-	-	<b>1.5</b>

**Course Outcomes:**

**CO1:** Demonstrate knowledge of ethical theories, principles and concepts relevant to public health and health management

**CO2:** Identify ethical issues and tensions in the field of public health, public health policy and health management

**CO3:** Critically examine and apply ethical analysis and reasoning to ethical challenges in developing public health and health management policy

**CO4:** Identify ethical frameworks and apply to a variety of substantive areas in public health

**CO5:** Describe the relationship between ethics and the law.

**Course Code: MPH-304****Title of the Course: Environment & Occupational Health**

<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
-	-	-	<b>2</b>

**Course Outcomes:**

**CO1:** Student is able to test the theoretical learning in practical situations by accomplishing the tasks assigned during the internship period.

**CO2:** Student is able to apply various soft skills such as time management, positive attitude and communication skills during performance of the tasks assigned in internship organization.

**Course Code: MPH-401****Title of the Course: Internship**

<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
-	-	-	<b>2</b>

**Course Outcomes:**

The student will be able to

**CO1:** Gain in-depth knowledge and use adequate methods in the major subject/field of study.

**CO2:** Create, analyze and critically evaluate different technical/research solutions

**CO3:** Clearly present and discuss the conclusions as well as the knowledge and arguments that form the basis for these findings

**CO4:** Identify the issues that must be addressed within the framework of the specific dissertation in order to take into consideration.

**Course Code:** MPH-402

**Title of the Course:** Dissertation

**Course Outcomes:**

**CO1:** Gain in-depth knowledge and use adequate methods in the major subject/field of study.

**CO2:** Create, analyze and critically evaluate different technical/research solutions

**CO3:** Clearly present and discuss the conclusions as well as the knowledge and arguments that form the basis for these findings

**CO4:** Identify the issues that must be addressed within the framework of the specific dissertation in order to take into consideration.