

# BABA FARID UNIVERSITY OF HEALTH SCIENCES

**PHDSMP 103: SOCIAL AND PREVENTIVE MEDICINE AND TRADITIONAL HEALTH SYSTEM  
(Semester-I)**

L+T+P+D : 3+0+0+0  
Credits : 3  
Contact hours : 45

Relative weight age  
Internal Assessment/Exam : 20  
End-semester Examination: 80

Unit	Contents	Lectures
I	<b>I-CONCEPTS OF SOCIAL MEDICINE</b> <ul style="list-style-type: none"> <li>• Evolution and Philosophy of Social Medicine</li> <li>• Social Determinants of Health</li> <li>• Society, Culture and Health</li> <li>• Health, Disease and Social Structure</li> <li>• Health Care Systems and Social Policy</li> <li>• Contemporary Issues in Social Medicine</li> </ul>	6
II	<b>II- HEALTH CARE DELIVERY SYSTEM IN INDIA</b> <ul style="list-style-type: none"> <li>• Evolution and Structure of Health Care Delivery in India</li> <li>• Primary Health Care and National Health Mission</li> <li>• Secondary and Tertiary Health Care Services</li> <li>• Health Financing and Insurance Mechanisms</li> <li>• Human Resources for Health and Quality Assurance</li> <li>• Contemporary Reforms and Emerging Challenges</li> </ul>	6
III	<b>III- HEALTH ECONOMICS</b> <ul style="list-style-type: none"> <li>• Introduction to Health Economics</li> <li>• Health Care Financing</li> <li>• Health Insurance and Risk Protection</li> <li>• Economic Evaluation in Health Care</li> <li>• Health Expenditure and Financial Burden</li> <li>• Health Policy, Resource Allocation and Priority Setting</li> </ul>	6
IV	<b>IV – MEDICINAL PLANTS IN DISEASE PREVENTION</b> <ul style="list-style-type: none"> <li>• Nutraceuticals</li> <li>• Phyto- preventive strategies</li> </ul>	7
V	<b>V- PREVENTIVE APPROACHES IN MINISTRY OF AYUSH</b> <ul style="list-style-type: none"> <li>• Ayurveda</li> <li>• Sidha</li> <li>• Unani</li> <li>• Yoga</li> <li>• Naturopathy</li> <li>• Homeopathy</li> </ul>	14

VI	<b>VI-ETHNOBOTANY</b> <ul style="list-style-type: none"> <li>• Biodiversity conservation</li> <li>• Sustainable utilization of medicinal plants</li> <li>• Who traditional medicine strategy</li> </ul>	7
VII	<b>VII- CLIMATE CHANGE &amp; HEALTH</b> <ul style="list-style-type: none"> <li>• Introduction to Climate Change and Public Health</li> <li>• Health Impacts of Climate Change</li> <li>• Climate-Sensitive Diseases</li> <li>• Environmental Determinants and Ecosystem Changes</li> <li>• Mitigation Strategies in Public Health</li> <li>• Adaptation Strategies and Health System Preparedness</li> </ul>	6

# BABA FARID UNIVERSITY OF HEALTH SCIENCES

**PHDSMP 104: MINOR SUBJECTS**  
**ADVANCED COMMUNITY MEDICINE PRACTICE**  
**(Semester-I)**

L+T+P+D	: 2+0+0+0	Relative weightage
Credits	: 2	Internal Assessment/Exam : 20
Contact hours	: 28	End-semester Examination: 80

Unit	Contents	Lectures
I	<b>I- ADVANCE EPIDEMIOLOGICAL MODELING</b> <ul style="list-style-type: none"> <li>• Foundations of Epidemiological Modelling</li> <li>• Statistical Modelling Techniques</li> <li>• Infectious Disease Transmission Modelling</li> <li>• Non-Communicable Disease Modelling</li> <li>• Spatial and Environmental Modelling</li> </ul>	4
II	<b>II- SOCIAL EPIDEMIOLOGY AND BEHAVIORAL SCIENCES</b> <ul style="list-style-type: none"> <li>• Social Stratification and Health</li> <li>• Behavioral Theories in Public Health</li> <li>• Community and Cultural Determinants</li> <li>• Interventions and Behaviour Change Strategies</li> </ul>	6
III	<b>III- COMMUNITY BASED TRAINING</b> <ul style="list-style-type: none"> <li>• Principles of Community Engagement</li> <li>• Rural and Urban Health Training Centers</li> <li>• Community Diagnosis</li> <li>• National Health Program Implementation</li> <li>• Capacity Building &amp; Leadership</li> <li>• Field-Based Research and Reporting</li> </ul>	7
IV	<b>IV- IMPLEMENTATION SCIENCES</b> <ul style="list-style-type: none"> <li>• Implementation Frameworks</li> <li>• Designing Implementation Research</li> <li>• Health System Integration</li> <li>• Monitoring, Evaluation and Adaptation</li> <li>• Policy Translation and Sustainability</li> </ul>	6
V	<b>V-DIGITAL PUBLIC HEALTH AND AI IN SURVEILLANCE</b> <ul style="list-style-type: none"> <li>• Electronic Surveillance Systems</li> <li>• Artificial Intelligence in Public Health</li> <li>• Telehealth and mHealth Platforms</li> <li>• Big Data and Genomic Surveillance</li> <li>• Ethics, Privacy and Regulation</li> </ul>	5