

**Pravara Institute of Medical Sciences,
(Deemed University)
Loni- 413 736, Maharashtra.**

**RULES AND REGULATIONS FOR THE COURSE
POST-GRADUATE DIPLOMA IN EPIDEMIOLOGY AND HEALTH MANAGEMENT
(PGDEHM)**

1. General :

These rules and regulations are framed as per directives of University Grants Commission (UGC) India and MOA of Pravara Institute of Medical Sciences.

2. Faculty :

This course shall be under the Faculty of Health and Allied Sciences.

3. Nomenclature of Degree:

POST-GRADUATE DIPLOMA IN EPIDEMIOLOGY AND HEALTH MANAGEMENT (PGDEHM)

4. Conditions for Admission to PGDEHM Course:

- 4.1 The candidate should have completed the age of 17 years on or before 31st July of the year commencing the prescribed academic session of the MRH course.
- 4.2 The minimum educational requirements shall be the passing of three years graduation degree course in any stream of Science, Medicine, Dental, Nursing, Pharmacy, Engineering and Social sciences from recognized Indian university or an equivalent qualification of foreign university recognized by UGC.
- 4.3 The student should have passed qualifying degree examination with minimum of 50% aggregate marks. For Scheduled Castes/ Schedule Tribes, the minimum marks required for admission shall be 40% in lieu of 50% for general candidates.
- 4.4 The candidate should be medically fit.

5. Duration of the course:

Duration of the PGDEHM course will be one calendar year.

6. Selection of students for PGDEHM Course:

- 6.1 The selection of students to PGDEHM Course shall be based on the merit of the candidate and for determination of merit, All India Common Entrance Test (AICET) will be conducted by Pravara Institute of Medical Sciences or by the agency specified by the University Grants Commission, New Delhi. (UGC)
- 6.2 To be eligible for selection through All India Common Entrance Test (AICET) a candidate must satisfy conditions enumerated in the Rule (4) above.

6.3 The candidate for admission to PGDEHM course should have obtained not less than 50% marks in the AICET conducted by Pravara Institute of Medical Sciences or by agency specified by UGC. However the minimum marks required for admission shall be 40% for SC/ST candidates.

6.4 A candidate may provisionally be allowed to appear for AICET, who has appeared in a qualifying examination awaiting result. In case of selection to MRH course, admission will be subject to clearing the qualifying examination satisfying conditions enumerated in Rules (4) above.

7. Medical Curriculum:

7.1. Aim

- Graduate medical curriculum is oriented towards training students to undertake the responsibilities of a Health professional and manager who is capable of looking after the social, preventive, promotive, curative and rehabilitative aspects of rural health.
- The aim of the medical curriculum is to produce a Health Professional who is socially acceptable and is able to work safely and effectively on patients and other needy in society, especially the under-reached and under-privileged in facilitating awareness, counseling, diagnosis, prevention and treatment of common health problems and should have social commitment.
- To produce a health post- graduate who is capable of functioning and managing health effectively both under the rural and urban setting shall be main aim of education curriculum and emphasis shall be placed in fundamental aspects on the subjects taught and on common problems of health and disease avoiding unnecessary details and areas of specification.

7.2. Objectives

A. National

At the end of undergraduate program the PGDEHM student shall endeavour to be able to

1. Recognize 'health for all' as a national goal and health right of all citizens and by undergoing training for health profession, fulfill his / her social obligation toward realization of this goal.
2. Learn every aspect of National policies on health and devote himself / herself to its practical implementation

3. Achieve competence in management of holistic medicine, encompassive social, promotive, preventive, curative and rehabilitative aspects of common health problems.
4. Develop scientific temper, acquire educational experience for proficiency in profession and promote healthy living
5. Become exemplary citizen by observation of social and medical ethics and fulfilling social and professional obligations, so as to respond to national aspirations.
6. Opportunities to facilitate collaboration, networking with international and national level institutes / organizations / foundations for promotion, advancement and sharing of academic and research knowledge and activities in medicine, health and allied sciences for development of mankind in India and abroad.
7. All possible arrangements for national and global participation in the field of medicine, health and allied sciences.

B. Institutional

1. Competent in understanding and management of common health problem of the Individual and community, commensurate with his / her position as a member of the health team at the primary, secondary or tertiary levels, using his / her para- clinical skills based on epidemiological knowledge, resources, history, data on physical examination and relevant investigations
2. Competent to associate and implement social, preventive, promotive, curative and rehabilitative medicine in respect to the commonly encountered health problems.
3. Appreciate rationale for different social needs, therapeutic modalities, be familiar with the administration of the 'essential drugs' and amenities conducive to social structure.
4. Be able to appreciate the socio-psychological, cultural, economic and environmental factors affecting health and develop human attitude towards the patients in discharging one's professional responsibilities
5. Posses the attitude for continued self-learning and to seek further expertis or to pursue research in any chosen area of medicine
6. Be familiar with the basic factors, which are essential for the implementation of the National Health Programmes
7. Acquire basic management skills in the area of human resources, materials and resource management related to health care delivery
8. Be able to identify community health problems and learn to work to resolve these by designing, instituting corrective steps and evaluating outcome of such measures
9. Be able to work as a leading partner in health care teams and acquire proficiency in traditional and e-communication skills

10. Be competent to work in a variety of health care settings
11. Have personal characteristics and attitudes required for professional life such as personal integrity, sense of responsibility and dependability and ability to relate to or show concern for other individuals
12. To promote and provide
 - i. Instruction, knowledge, education, training and research facilities of high order in the areas of study relevant to medicine, health and allied Health sciences as per its current status and such other manner as may develop in future
 - ii. Research relevant to current and emerging field of medicine, health and Allied Health sciences.
 - iii. Opportunities for the integration of formal, newer learning technologies e.g. Problem Based Learning and non-formal learning with practical experiences in medical and health sciences with other areas of human development.

8. Structure of PGDEHM course:

8.1 The PGDEHM Course curriculum shall be taught within one year with following distribution.

Structure of PGDEHM course:

8.2 The PGDEHM Course curriculum shall be taught within one year with following distribution.

COURSE STRUCTURE

SEMESTER – I			
THEORY		PRACTICALS	
PGDHM - 101	4 CREDITS	PGDHM 111	3 CREDITS
PGDHM - 102	4 CREDITS	PGDHM 112	3 CREDITS
PGDHM - 103	4 CREDITS		
PGDHM – 10E	4 CREDITS		

SEMESTER – II			
THEORY		PRACTICALS	
PGDHM - 201	4 CREDITS	PGDHM 211	4 CREDITS
PGDHM - 202	4 CREDITS	Seminar Presentation	2 CREDITS
PGDHM - 203	4 CREDITS		
PGDHM – 20E	4 CREDITS		

COMPULSORY CORE SUBJECTS

THEORY

SEMESTER-1

PGDEHM-101: INTRODUCTION
PGDEMH-102: FUNDAMENTALS OF HEALTH MANAGEMENT
PGDEHM-103: ESSENTIALS OF COMMUNITY HEALTH
PGDEHM-104: EPIDEMIOLOGY AND BIOSTATISTICS

SEMESTER – II:

PGDEHM - 201: HEALTH POLICY, PLANNING & MANAGEMENT
PGDEHM - 202: HEALTH RESOURCE MANAGEMENT
PGDEHM - 203: HEALTH CARE DELIVERY SYSTEMS

ELECTIVE SUBJECTS

PGDEHM 10E: HEALTH MANAGEMENT INFORMATION SYSTEM
COMPUTER SKILLS
PGDEHM- 11E: DEMOGRAPHY AND POPULATION STUDIES

PGDEHM - 20E: HEALTH BEHAVIOUR AND HEALTH EDUCATION
PGDEHM- 20E: HEALTH CARE OF SPECIAL GROUPS

PRACTICALS, FIELD VISITS AND EXERCISES

SEMESTER – I:

PGDEHM - 101: FUNDAMENTALS OF MANAGEMENT PRINCIPLES
PGDEHM- 102: ESSENTIALS OF COMMUNITY HEALTH
PGDEHM - 103: EPIDEMIOLOGY AND BIOSTATISTICS
PGDEHM- 104: BASIC COMPUTER LEARNING

SEMESTER – II

PGDEHM - 201: HEALTH POLICY, PLANNING & MANAGEMENT
PGDEHM - 202: HEALTH RESOURCE MANAGEMENT
PGDEHM - 203: HEALTH CARE DELIVERY SYSTEMS
PGDEHM-204: COMPUTER MANAGEMENT OF DEMOGRAPHIC DATA

9. Syllabus of PGDEHM course:

The PGDEHM Course curriculum shall be taught within one year with following distribution.

SYLLABUS for POST-GRADUATE DIPLOMA IN EPIDEMIOLOGY AND HEALTH MANAGEMENT (PGDEHM)

Duration of course: 1 academic year

Semesters: 2 of 6 months duration each

Course constituents: Theory, Practicals, Field visits, Computer health information management, Tele-Health

SEMESTER-1 (Theory)

PGDEHM-101: INTRODUCTION

Historical
Medical Sociology
Community and Social health
Health and Disease
Health, indicators and measures
National and International measures of health
Global disparity in developed, developing and underdeveloped world
Disparity in Indian urban and rural health
Demography
Epidemiology
Influence of Socio-cultural and Socio-economic factors on Epidemiology of diseases

PGDEHM-102 : FUNDAMENTALS OF HEALTH MANAGEMENT

Concept of management
Principles of management
Phases of management development
Applications of management sciences
Health management
Methods used in management
Tools for Health Management
Risk factors in health management
Managerial skill development
Social Psychology
Organizational behavior
Process of change
Health team, leadership and supervision
Health management in natural/ man-made calamities
Concepts of Research in health management

PGDEHM-103: ESSENTIALS OF COMMUNITY HEALTH

Community health
Distribution of diseases
Rural, urban slum and urban health
Social perspectives and human health rights
Gender, power, development of health
Nutrition and Health
Environment and Health
Population Dynamics
Migratory workers
Privatization and Globalization

PGDEHM - 104: EPIDEMIOLOGY AND BIOSTATISTICS

Introduction & basic principles of epidemiology
Epidemiological studies and trials
Health survey & field service management
Survival data Analysis in Epidemiology
Epidemiological inquiry / investigation
Introduction and applications of descriptive statistics
Correlation & Regression
Applied research methods & Statistical Inference
Parametric and Non-parametric tests
Health & Vital Statistics
Principles of research, research/study design,
Qualitative and quantitative methods,
Statistical Methods in Research,
Protocol development
Ethics in Research, Report writing,

SEMESTER – I: PRACTICALS, FIELD VISITS AND EXERCISES

PGDEHM - 101: FUNDAMENTALS OF MANAGEMENT PRINCIPLES
PGDEHM- 102: ESSENTIALS OF COMMUNITY HEALTH
PGDEHM - 103: EPIDEMIOLOGY AND BIOSTATISTICS
PGDEHM- 104: BASIC COMPUTER LEARNING

SEMESTER – II: THEORY

PGDEHM - 201: HEALTH POLICY, PLANNING & MANAGEMENT

National health policies
National Rural Health Mission
Concept of planning,
Planning cycle
Community Needs Assessment
Strategic planning, implementation and evaluation
Management by Objectives and management by Behaviour
Network analysis and Program management
Health Sector Reforms
Public- Private partnership
Health care quality assurance

PGDEHM - 202: HEALTH RESOURCE MANAGEMENT

Resource allocation management
Personnel management & industrial relations
Planning & development of appropriate health care man-power (Community Health Workers & People-centered Development)
Health Economics & Financing
Material Management
Essential Drug Policies & Issues
Time management

PGDEHM - 203: HEALTH CARE DELIVERY SYSTEMS

Health care delivery Systems - Approaches and challenges

Primary Health care

Community Health Centre

Community participation

Social Marketing of health

Bringing informal health care providers into mainstream

Capacity building of NGOs, CBOs and other Target groups

Integration of different systems of medicine

ELECTIVE SUBJECTS

PGDEHM- 10E: HEALTH MANAGEMENT INFORMATION SYSTEM & COMPUTER SKILLS

Health Information systems in health care,

Role of information in planning & management

Design of health information systems and health care records; language and coding; compatibility and security issues

Computer database and various software packages

Applications of IT in health (Tele-medicine/health)

PGDEHM- 11E: DEMOGRAPHY AND POPULATION STUDIES

Fundamental of demography

Population dynamics

Population explosion

Client centered approach

Population control-Contraceptive management

Evaluation in Demography

PGDEHM - 20E: HEALTH BEHAVIOUR AND HEALTH EDUCATION

Concept of communication

Challenges and approaches

Client centered counseling

Behaviour Change Communication (BCC)

Monitoring, Supervision and evaluation

PGDEHM- 21E: HEALTH CARE OF SPECIAL GROUPS

Reproductive and Child Health

Adolescent health

Care of Elderly

Care of Disabled

Care of stigmatized diseases (HIV/ AIDS, STD, Leprosy, etc.)

SEMESTER – I:

PRACTICALS, FIELD VISITS AND EXERCISES

PGDEHM - 201: HEALTH POLICY, PLANNING & MANAGEMENT

PGDEHM - 202: HEALTH RESOURCE MANAGEMENT

PGDEHM - 203: HEALTH CARE DELIVERY SYSTEMS

PGDEHM-204: COMPUTER MANAGEMENT OF DEMOGRAPHIC DATA

9. The student shall not be allowed to study the courses of next year unless he has successfully completed the previous MRH Examination.

9.1 Field work:- Every candidate will be required to undergo regular field work in a Health set up stationary or mobile in Hospital/ Health Centre / mobile hospital/clinic or any other authorized center

10. Minimum Working Hours for Each Subject / Course of Study.

11.1 PBL: Problem Based Learning be integrated by instituting scenarios related to various health subjects

11.2: 75% attendance in Theory, Practical and Clinical work is mandatory requirement for qualifying to appear for final university examination. This relaxation is only to cater for any exigencies.

11. Eligibility for Appearing for Final University Examination:

11.1 No student shall be allowed to appear for the Final University Examination conducted by P.I.M.S. unless he/she satisfies the requirement of attendance (75%), has satisfactory progress and conduct as stipulated by the Pravara Institute of Medical Sciences.

11.2 No student will be allowed to appear for the University Examination unless he/she obtains 35% marks in Internal Assessment for each subject separately.

11.3 The Dean / Principal should certify that the candidate appearing for University Examination satisfies the conditions stipulated in Rules (10.1) and (10.2)

11.4 There shall be no ATKT Scheme.

12. Eligibility for Appearing for Final University Examination:

12.1 No student shall be allowed to appear for the Final University Examination conducted by P.I.M.S. unless he/she satisfies the requirement of attendance (75%), has satisfactory progress and conduct as stipulated by the Pravara Institute of Medical Sciences.

12.2 No student will be allowed to appear for the University Examination unless he/she obtains 35% marks in Internal Assessment for each subject separately.

12.3 The Dean / Principal should certify that the candidate appearing for University Examination satisfies the conditions stipulated in Rules (10.1) and (10.2)

12.4 There shall be no ATKT Scheme.

13. Scheme of Examination:

13.1 The Examination shall be held twice in a year. The examination shall be conducted as per schedule given below.

13.2 The pattern of question paper will cover the entire syllabus. The paper will consist of MCQ, SAQ, LAQ, MEQ etc.

- 13.3 The Examinations are to be conducted in manner to assess whether the candidate has acquired the necessary minimum skill and clear concepts of the fundamentals essential to his/her day-to-day professional work. The candidate is expected to recall information, have clear understanding of the subject, ability to synthesize scattered bits of information and analyze her/his capacity to invite original thinking and application of theory.
- 13.4 The system of evaluation will be impartial, unbiased confidential and transparent.
- 13.5 The final examination will be carried out in two parts. The evaluation of the student will be done by Internal Assessments, written and oral examination.

Examination and Evaluation for Post Diploma in Epidemiology & Health Management (PGDEHM)

- The pattern of question paper will cover the entire syllabus. The paper will consist of MCQ, SAQ, LAQ, and MEQ etc.
- The questions will be set in such a manner that it will test the ability of the students to recall information, understanding of the subject, ability to synthesize scattered bits of information and analyze her/ his capacity to invite original thinking and application of theory.
- The system of evaluation will be impartial, unbiased confidential and transparent
- The final examinations will be carried out at the end of the academic year. The evaluation of the student will be done by internal assessment, written and an oral examination.

Written examination

Total 500 marks (Four papers of 100 marks and + 100 marks internal assessment)

Practical examination

Total 400 marks (300 for practical and 100 marks for internal assessment)

- Two written Internal Assessment (25 marks in each term) and one preliminary examination (50 marks each)
- Written final examinations (100 marks x four papers at the end of academic year)
- Two practical examinations internal assessment (25 marks in each term) and one preliminary examination (50 marks each)
- Practical final examinations (300 marks)

THERE WILL BE SEPARATE PASSING FOR INTERNAL ASSESSMENT

THERORY AND PRACTICAL

Grace marks will be as per university rules.

14. Scheme of Examination:

The Examinations are to be conducted to assess whether the candidate has acquired the necessary minimum skill and clear concepts of the fundamentals essential to his/her day-to-day professional work.

- 14.1 The Examination shall be held twice in a year. The examination shall be conducted as per schedule given below.

Examination Schedule.

A) Internal Assessment

- a) For subjects having weightage of 300 marks, internal assessment will be of 50 marks (25 Marks for theory and 25 marks for Practical)
- b) For subjects having weightage of 150 marks, internal assessment will be of 25 marks (12 marks for theory and 13 marks for Practicals)
- c) For internal assessment, marks obtained in the term-end examinations and preliminary examination will be considered.
- d) There will be no improvement tests for internal assessment.

B) University Examinations

* Internal examination will be conducted at the end of each semester. University examinations will be conducted yearly. Internal assessment and fieldwork will be given weightage.

- 14.2 The students desirous for appearing for the University Examination shall submit the application form duly filled along with prescribed examination fee. Incomplete application forms or application form submitted without prescribed fee or application form submitted after due date will be rejected and student shall not be allowed to appear for the examination.
- 14.3 The candidate must get 35% marks in Internal Assessment of each subject separately for passing and qualifying for final University examination.
- 14.4 The students appearing for the University Examination should satisfy the conditions stipulated in Rule (10) above.
- 14.5 Each theory paper will be of three hours duration and each practical / clinical examination shall be as per schedule.
- 14.6 Not more than 30 candidates in clinical or practical should be examined in one day.
- 14.7 The practical examination should be arranged in such a way that the student is examined by all examiners during the course of the practical examination and the distribution of marks amongst the examiners should be equal.

12. Rules of Passing:

- 12.1 The candidates must secure a minimum of 50% marks in each head of passing in the University Examination. Theory and Practical / Field work will be treated as separate heads of Passing.
- 12.2 The candidate will be declared as passed with Distinction if he secures more than 75% marks.
- 12.3 Any candidate who fails an Examination is not permitted to go to the next higher class and appear for the subject and complete it successfully before he can appear for the next higher examination.
- 12.4 If a candidate fails either in theory or in practical/clinical Examination of a subject he / she will be declared failed in that subject and he / she will have to appear for theory and practical / clinical Examination again.

15. Syllabus for the entire MRH course has been provided. Minor need-based alterations will be intimated to the trainees and examiners, wherever applicable.

PIMS, Loni. 413 736

Circular No.....

Date.....

Registrar
Pravara Institute of Medical Sciences