



**PRAVARA INSTITUTE OF MEDICAL SCIENCES  
(DEEMED TO BE UNIVERSITY)**

**Loni, Tal. Rahata, Dist. Ahmednagar 413736  
NAAC Re-accredited with 'A' Grade**

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**SYLLABUS**

**Post Doctoral Fellowship Programme in Investigation and Response in  
Epidemics and Pandemics (Dept. of Community Medicine)**

**Dr. Balasaheb Vikhe Patil Rural Medical College  
(Academic Council Meeting Dated 25<sup>th</sup> August, 2022)**

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Title: Fellowship in Investigation and response in epidemics and pandemics

**PREAMBLE:**

The objective of the course is to strengthen the technical capabilities and skills of health personnel by providing practical training in investigation and management of epidemics and pandemics

**Learning objectives:**

\*Understand concepts of endemic, epidemic and pandemic

- Detect epidemic through early warning signals and understand Public Health

Emergency of International Concern

- Conduct epidemic investigations / field surveys.
  - Institute appropriate & timely response for prevention & control of outbreaks, health impacts of disasters & environmental health issues.
  - Collect appropriate laboratory specimens, storage & transportation of the specimens to the laboratory.
  - Provide leadership in control of endemic & epidemic-prone diseases.
  - Design, implement & evaluate disease surveillance systems.
  - Evaluate control / prevention measures. In epidemics and pandemics
  - Conduct epidemiological and statistical analysis of complex data sets.
- \* Carry out essential laboratory investigations
- Use computers effectively for data management, graphics and presentation.
  - Provide public health information to media public and policy makers.
  - Prepare, present / publish technical reports / articles.
  - Remain prepared for any public health emergencies.

**Duration of Course:** One year certificate course

**Course content:**

Unit	Topic	Period	Hours of learning	Credits
<b>First Semester</b>				
I	Basic and applied epidemiology related to investigation of epidemics and pandemic	3.0 months	105(theory 15+SDL / visits/assignments-90)	4
II	Laboratory tests in investigations of epidemics and pandemics	2.5 months	105(theory 15+SDL / visits/assignments-90)	4
<b>Second Semester</b>				
III	Control and management of epidemics and pandemics	2.5 months	105(theory 15+SDL / visits/assignments-90)	4
IV	Project (s) & postings	3.5 months	90	3
	Total	11.5 months	405	15

**\*Logbook will be maintained by fellow giving details of lectures/seminars/projects/Postings/visits to different institutions.**

**Teaching Strategies:** The one-year course is organized into two teaching Semesters. A total 200 working days will be available for teaching, learning and evaluation in one year. Considering the TLE contact of six hours per day, the total TLE contact hours will be 405 hours. It is further divided as 45 teaching hours i.e. 360 hours will be devoted for classroom sessions and 360 hours will be assigned for outside the classroom sessions (Practical training, field visits, project work and placements).

One credit will be equal to 15 hours of theory and 30 hours of practical/field visit/project work. Thus there will be 15 credits for this course.

**Assessment procedure:** one project work and viva voce

**Fee structure:** 10000/- (Ten thousands only) INR

**Eligibility criteria Indian student/Foreign students:** Master's degree in any health discipline (Medicine, Dental, Nursing, Physiotherapy from recognized Indian university or an equivalent qualification of foreign university recognized by UGC. Preference will be to In-service at PIMS-DU.

**Intake capacity:** Maximum 4 per year

**Course teaching staff:**

Sr.no	Name of the faculty	Qualification	Experience
1.	AVM(Retd) Dr.Rajvir Bhalwar	MD Community Medicine, PhD	40 Yrs.
2.	Dr. D.B.Phalke	MD Community Medicine	30 Yrs.
3.	Dr. Mandar Baviskar	MD Community Medicine	6
4	Dr. Anup Kharde	MD Community Medicine	9
5	Dr. Anand Bhide	MD Community Medicine	5
6	Dr. Varsha Mahavarkar	MD Community Medicine	5
7	Dr. Vaibhav Rajhans	MD microbiology	7
8	Dr. Tungikar	MD Medicine	15

**Exam scheme and results:**

**Eligibility:** Attending 75% of theory & practical sessions and completion of project is MANDATORY for appearing for examination.

• **Evaluation:-**

Term end examination will be arranged and conducted by Dept. of Community Medicine, Dr. Balasaheb Vikhe Patil Rural Medical College and declare the result.

**Examination Scheme**

Paper - I: Post Doctoral Fellowship in Investigation and response in epidemics and pandemics-I

Paper - II: Recent advances in Post Doctoral Fellowship in Investigation and response in epidemics and pandemics

**Theory Examination:- (2 Paper of 100 marks each)**

2 LAQ x 20 Marks = 40 Marks

6 SAQ x 10 Marks = 60 Marks

**Practical Examination:-**

One Long Case / Long experiments = 50 Marks

Three Short Cases (3 x 30) = 90 Marks

Viva Voce / Oral / OSPE / Spottes = 60 Marks

**Minimum Passing:-**

- i) Minimum 50% in Theory papers (Each paper minimum is 40%)
- ii) Minimum 50% in Practical / Clinical & Viva Voce
- iii) Overall 50% Theory & Practical/Clinical

**Award of class:-**

50% to 59.5% = II<sup>nd</sup> class

60 to 74.5% = I<sup>st</sup> Class

Above 75% = I<sup>st</sup> Class with Distinction

**Attempts:-**

- A student shall clear the Examination only within three attempts or within 4 years of admission.
- Result / Issue of Mark Sheet – Head of Institute & HOD will jointly issue the Mark Sheet.

**Certification:-**

- A) Title – Post Doctoral Fellowship in Investigation and response in epidemics and pandemics.
- B) A fellowship is awarded upon successful completion of the prescribed study program, which will state that i) Candidate has completed the prescribed course of Post Doctoral Fellowship in Investigation and response in epidemics and pandemics, ii) Candidate has completed prescribed clinical experience. iii) Candidate has passed the prescribed examination.
- C) Certificate will be issued with the signatures of concern Dean, Dr. Balasaheb Vikhe Patil Rural Medical College & Vice-Chancellor, Pravara Institute of Medical Sciences (Deemed to be University).
- D) Certificates to be prepared by concern College.

**Expenditure statement for one academic year**  
**Under Department of Community Medicine, DBVPRMC,PIMS DU Loni**

Income	Expenditure
Fees @ 10,000/- rs per candidate per year	a) Honararium for resource persons 5000/- Rs per candidate/year
	b) Administrative expenditure by University including examination 5000/- Rs per candidate
<p>*Note: 1) Special leave @ 7 days / term ( 15 days for one year) will be sanctioned by institute for training in other institutions</p> <p>2. Fellow will bear all expenditure towards registration, stay and travel for deputations</p>	



  
Registrar  
Pravara Institute of Medical Sciences  
(Deemed to be University)  
Loni-413736, Tal. Rahata, Dist. Ahmednagar  
(M.S. India)