

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT.

Postgraduate degree course

(MD in Community Medicine / PSM)

Department of Community Medicine

Government Medical College, Surat

Every year 4 medical students can be admitted to the course of MD (post graduation). The number of seat varies on the basis of the policy of MCI and Government of Gujarat. The total duration of the course is of 3 years. The whole duration is divided into 6 terms where each term is of 6 months duration. The post graduate teaching in the department is carried out with the following goals and general objectives-

1. Goals and General Objectives of the post graduate (MD) education:

1.1 The goal of postgraduate medical education shall be to produce competent specialists of Community Medicine (PSM)

- 1 Who shall recognise the health needs of the community, and carry out professional obligations ethically and in keeping with objectives of the national health policy;
- 2 Who shall have mastered most of the competencies, pertaining to the specialty, that are required to be practiced at the health care delivery system;
- 3 Who shall be aware of the contemporary advances and developments in the discipline of community medicine
- 4 Who shall have acquired a spirit of scientific enquiry and is oriented to the principles of research methodology and epidemiology and
- 5 Who shall have acquired the basic skills in training of the medical and paramedical professionals?

1.2 General objectives of post-graduate training

At the end of postgraduate training in the Community Medicine (PSM) the student shall be able to:

1. Recognize the importance of the community medicine in the context of the health needs of the community and national priorities in the health sector;
2. Practice the community medicine specialty ethically and in step with the principles of health care;
3. Demonstrate sufficient understanding of the basic sciences relevant to the community medicine
4. Identify social, economic, environmental, biological and emotional determinants of health in a given case, and take them into account while planning therapeutic, rehabilitative, preventive and promotive measures/strategies.
5. Diagnose and manage majority of the health conditions in the community on the basis of clinical assessment, and appropriately conduct investigations.
6. Plan and advise measures for the prevention and rehabilitation of patients suffering from disease and disability

7. Demonstrate skills in documentation of individual/community case details as well as morbidity and mortality data relevant to the assigned situation.
8. Demonstrate empathy and humane approach towards patients and their families and exhibit interpersonal behaviour in accordance with the societal norms and expectations.
9. Play the assigned role in the implementation of national health programmes, effectively and responsibly.
10. Organize and supervise the chosen/assigned health care services demonstrating adequate managerial skills in the clinic/hospital or the field situation.
11. Develop skills as a self-directed learner; recognize continuing educational needs; select and use appropriate learning resources.
12. Demonstrate competence in basic concepts of research methodology and epidemiology, and be able to critically analyse relevant published research literature.
13. Develop skills in using educational methods and techniques as applicable to the teaching of medical/ nursing students, general physicians and paramedical health workers.
14. Function as an effective leader of a health team engaged in health care, research or training.

2. Eligibility for admission in MD Community Medicine / PSM :

2.1 Eligibility:

- Every candidate for M.D. in Community Medicine / PSM must have taken the degree of MBBS of Veer Narmad South Gujarat University or equivalent qualification of any college recognised by M.C.I.
- Candidates wishing to undertake the M.D. (Community Medicine / P.S.M.) course will have to fulfil the requirements of houseman ship as per recommendations of MCI.
- Admission is given by college council as per the prevailing rule of admission of the University.

2.2 Duration of course:

- The admission to the M.D. course shall be twice in the year, once for regular batch and then for the remainder batch of every academic year.
- The course of study shall spread over a period of three academic years (six terms where each term shall be of 180 days), preparation of dissertation including the examination period.
- The academic year will be according to the MCI and South Gujarat University.
- Each student has to submit his/her dissertation 6 months before appearance to the university examination.

2.3 Admission:

The PG admission committee members of the Government Medical College, Surat, will select the candidate purely on the basis of merit and the

selected candidate should take up the course within stipulated days as per notice / order of the college/ university from the date of interview and their selection. Failing which, the admission to the course will be cancelled.

There are 4 seats of Residency per year. Selection of residents is as per prevailing Govt of Gujarat Rules.

3. Syllabus:

1st term:

1. Research methodology
2. Biostatistics
3. History of health and concepts of health
4. Nutrition & Health
5. Social sciences and health
6. Environmental sanitation and personal hygiene
7. Participation on field based work and National programme
8. Dissertation topic allotment & submission of synopsis to university

2nd term:

1. Clinical posting:
 - Medicine (Infectious disease)
 - Obs & Gynec (ANC, PNC)
 - Paediatrics (Malnutrition, VPDs, IMNCI)
 - Skin & VD (Syndromic Management)
 - Ophthalmology (Blindness control programme)
 - TB and chest diseases
 - Microbiology (Staining & microscopy)
2. Finalization of methodology for dissertation work
3. Recent advances
4. General Epidemiology
5. Epidemiology of different diseases of importance in community medicine.

3rd term:

1. Data collection (depends on the type of study)
2. Recent advances
3. Management planning for better health
4. Participation in epidemic control
5. Demography
6. Family planning and health
7. Reproductive and Child Health
8. Geriatrics

4th term:

1. Data collection and data entry
2. application of EpiInfo software

5th term:

1. Analysis & write up
2. Socio-pathological studies of families in the field
3. Clinical presentations – short case
4. Water chemistry and bacteriology
5. Entomology
6. Laws related to public health
7. Occupational Health
8. Seminar
9. Journal Club

6th Term:

1. Problem based learning
2. Disaster management
3. Public Health Administration
4. International health
5. Genetics and Eugenics
6. Biomedical Waste management
7. Mental Health
8. Health care delivery
9. BCC / IEC

Topics mentioned in the above will be taught to the students by the following methods:

- Lectures
- Demonstrations
- Seminars
- Journal club
- Practical
- Field visits
- Case presentations
- Group discussions
- Participation in undergraduate teaching, in departmental research and National Programme.
- Clinical postings etc.

4 Evaluation:

- For appearing in the examination, candidates should apply to the Registrar, South Gujarat University, Surat in the prescribed form along with prescribed fee with the certificate from the Dean/Professor in Charge P.G. Centre of having successfully completed prescribed course after completion of 6 terms and acceptance of dissertation submitted to the university.
- A combination of both formative and summative assessment shall be carried, as it is vital for the successful completion of the PG programme.

Paper I - Applied basic science except Preventive and social Medicine

Paper II - Public Health

Paper III - Epidemiology including Medical entomology, Environmental sanitation, immunology and public health laboratory practice
Paper IV - Preventive medicine as applied to other specialities

- **There will be four theory papers each of 100 marks (total marks 400)**
- **There will be a practical and oral examination of 600 marks**

Note: The Department of Community Medicine, Government Medical College, Surat also offers post doctoral course (PhD) in the related specialities –

- Environmental epidemiology
- Nutrition