

M.S. Ramaiah University of Applied Sciences

New BEL Road, MSR Nagar, Bangalore – 560054



**RAMAIAH
UNIVERSITY**
OF APPLIED SCIENCES

PO, PSO & CO

Programme: MD in Community Medicine

Programme Code: 133

Programme Outcome (PO)

Programme Specific Outcome (PSO)

Course Outcomes (CO)



Shalini

Principal and Dean

Ramaiah Medical College and Hospital
Ramaiah University of Applied Sciences

Bangalore-560054

Ramaiah Medical College (RMC)

Programme Outcomes

Post Graduate Programme: MD in Community Medicine

Programme objectives (PO) for MD Community Medicine Postgraduate students:

- PO1. Acquire the knowledge; and develop skills and attitude required to be a competent Public health/ Community Medicine professional. (C, P, A,)
- PO2. Apply the principles of Public Health, Community Medicine and applied epidemiology contributing meaningfully in formulating National Health Policies & Programmes with a systems approach for overall human development. (C)
- PO3. Demonstrate a commitment to excellence and continuous professional development with integrity, compassion and sensitivity to community health. (A)
- PO4. Acquire and develop the knowledge, skills and attitude required to be a competent and ethical researcher and teacher. (A, C, P)
- PO5. Be able to organize health care services, routine and for special groups and during periods of special needs such as disasters / calamities and epidemics with a reasonable degree of professionalism and competence. (A, P)

Programme Specific Outcomes (PSOs)

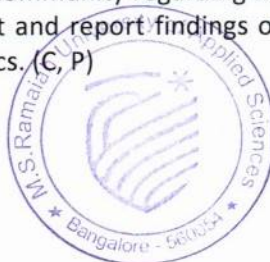
Programme specific outcome (PSO) for MD Community Medicine Postgraduate students:

- PSO1. Ability to apply conceptual understanding of Public Health, Community Medicine, epidemiology and clinical medicine, for prevention and control of communicable and non-communicable diseases and also to arrive at a community diagnosis. (C, P)
- PSO2. Ability to identify prevalent diseases, common nutritional disorders and plan comprehensive programme to address issue of malnutrition in a given area for a specific group aligning with national policies and programmes. (C, P)
- PSO3. Ability to organize health care services for special groups like mothers, infants, under-fives, school children, adolescent, handicapped children, geriatric, terminally ill and special situations like epidemics and disasters. (C, P)
- PSO4. Ability to identify environmental and occupational health issues and provide solutions to the same. (C, P)
- PSO5. Ability to identify health problems of the community, prioritize and plan health services under national health programs. (C, P)
- PSO6. Ability to apply the principles of health education, behavioral change communication and sociology to create awareness in the community regarding health issues. (A, P)
- PSO7. Ability to conduct, analyze, interpret and report findings of research by applying principles of research methodology and biostatistics. (C, P)

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PSO8. Play a pivotal role in hospital infection control, including formulation of antibiotic policy and management of biomedical waste. (C,P,A)

PSO9. Demonstrate effective communication skills required for the practice of Clinical microbiology and while teaching undergraduate students. (A)

Course Outcomes (COs)

Course Title & Code: Concepts and Applied Epidemiology (MDC525A)

At the end of the course, the students should be able to:

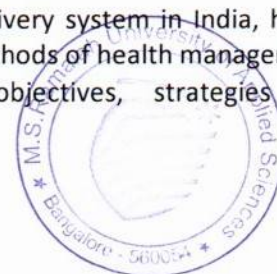
- CO-1.**
 - Demonstrate comprehensive knowledge of concepts of Public Health/Community Medicine (with differences), Disease-oriented v/s Preventive approach, health promotion vs disease control & prevention.
 - Demonstrate comprehensive knowledge and application of principles of epidemiology in prevention and control of outbreaks, communicable and non-communicable diseases.
 - Demonstrate the ability of interpretation of basic laboratory investigations used in the context of implementation of various national health programs. (C)
- CO-2.**
 - Conduct community surveys/ epidemic investigations/ epidemiological research studies for community diagnosis, disease surveillance, and evaluation of health programmes.
 - Plan and implement preventive and control measures in event of a disease outbreak

Course Outcomes (COs)

Course Title & Code: Nutrition, Environment Health & Health Management (MDC526A)

At the end of the course, the students should be able to:

- CO-1.**
 - Demonstrate comprehensive knowledge and skill in assessing the nutritional status of an individual at family and community level, identifying prevalent common nutritional problems in the community, role of nutrition in health and in planning comprehensive programme to address the malnutrition in a specific group / community.
 - Demonstrate knowledge and skills in comprehensive health assessment of an individual/ families at community level.
- CO-2.** Demonstrate comprehensive knowledge in identifying the environmental health issues, assessing the impact of adverse environmental conditions on human health and provide technical advice in water purification and solid waste management.
- CO-3.** Demonstrate comprehensive knowledge on health care delivery system in India, health planning and administration, quantitative and qualitative methods of health management.
 - Demonstrate comprehensive knowledge on objectives, strategies and implementation of National health programs



- Demonstrate skills in identifying the needs of vulnerable population and organising health care for the same at the community level. (C,P)

Course Outcomes (COs)

Course Title & Code: Applied Sociology and Research Methodology (MDC527A)

At the end of the course, the students should be able to:

- CO-1.**
 - Demonstrate application of knowledge of social and behavioural sciences in planning and executing BCC strategies for individuals; and to identify behaviour pattern of individual or group of individuals that is detrimental or adversely affecting their health.
 - Demonstrate both verbal and written communication skills to word reports, professional opinion and for effective health education.
 - Demonstrate the counselling skills for individual, family and community regarding nutrition, lifestyle modification and family planning.(C,P)
- CO-2.** Demonstrate knowledge on international health agencies, public health legislations, international health and global disease surveillance. (C)
- CO-3.** Demonstrate comprehensive knowledge and application of principles and ethics in research methodology. (C,P)
- CO-4.** Demonstrate comprehensive knowledge on public health laws, policies and guidelines (C,P)

Course Outcomes (COs)

Course Title & Code: Occupational health, Health information and Recent advances (MDC528A)

At the end of the course, the students should be able to:

- CO-1.**
 - Demonstrate application of knowledge of occupational health in diagnosis of occupational hazards and undertake surveys to identify occupational exposures.
 - Demonstrate application of information technology where ever applicable example-creating health awareness, IEC activities. (C,P)
- CO-2.** Demonstrate the ability for self-directed learning by keeping abreast with newer information and recent advances. (C)
- CO-3.**
- CO-4.**

Course Outcomes (COs)

Course Title & Code: Thesis- Community Medicine (MDP507A)

At the end of the course, the students should be able to:

- CO-1.**
 - Demonstrate comprehensive knowledge and application of principles and ethics in research methodology by way of executing postgraduate dissertation.



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- Independently conduct research and should be able to report the results of the research in accordance with the prescribed instructions as expected of international standards(C,P)
- CO-2.** The student should demonstrate integrity, accountability, respect, compassion and dedicated patient care and a commitment to excellence, continuous professional development and ethical principles relating to research conduct and research publication as applicable to all the specific courses



Registrar
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