

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 General Medicine

Programme Code: 135

Programme Outcome (PO)

Programme Specific Outcome (PSO)

Course Outcomes (CO)

Shalini

Principal and Dean

M.S. Ramaiah Medical College and Hospital
M.S. Ramaiah University of Applied Sciences
Bangalore-560054



Ramaiah Medical College (RMC)

Programme Outcomes

Post Graduate Programme: MD in General Medicine

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

- PO-1.** Acquire the knowledge, skills and attitude to be a competent physician (C, P).
- PO-2.-** Be able to elicit adequate history and perform thorough general physical and systemic examination. (A,C,P)
- PO-3-** Arrive at appropriate differential diagnosis and order appropriate investigations and interpret them. (C, P)
- PO-4.-** Provide adequate treatment as per current standards of care and Evidence based medicine approach with integrity, empathy, compassion and with adequate communication. (A,C,P)
- PO-5-** Acquire and develop the knowledge, skills and attitude required to be a competent and ethical researcher and teacher. (A, C, P)

Programme Specific Outcomes (PSOs)

Programme specific outcome (PSO) for MD in General Medicine Postgraduate students

- PSO1.** To acquire skills of detailed history taking and performing general physical examination and systemic examination pertaining to all the organ systems. (C,P)
- PSO2.** To arrive at the differential diagnosis and most probable diagnosis. Order appropriate investigations and justify the purpose of investigations and interpret them. (C, P)
- PSO3.** Provide adequate treatment as per current standards of care. Identify the complications early and intervene at the earliest. Provide emergency care to the common medical emergencies and refer when required. Document adequately all the inpatient and outpatient records. (C,P)
- PSO4.** Effectively communicate and counsel the family with empathy and professionalism. Demonstrate the attributes of a leader and team member who understands and performs his roles and responsibilities in the healthcare ecosystem. (A)
- PSO5.** Acquire skills to conduct fundamental and applied research either independently (including thesis work) or as part of a team. Write a good research proposal and conduct a research project. (C)

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Course Outcomes (COs)

Course Title & Code: Basic Sciences as applied to Medicine (MDC533A)

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

- CO-1. The students should be conversant with the applied aspects of Anatomy, physiology and Biochemistry, pathophysiology of the diseases. Have knowledge of symptomatology, signs, rationale of investigations and their interpretation. (C, P)
- CO-2. The student should have knowledge about basic principles of genetics, genetic engineering, chromosomal disorders, genetic basis of cancer, genetic & gene therapy. (C)
- CO-3. The student should demonstrate integrity, accountability, respect, compassion and dedicated patient care, commitment to excellence, continuous professional development and ethical principles relating to research conduct and publication as applicable to all the specific courses(A)
- CO-4. Have knowledge of biomedical waste management and be familiar with appropriate disposal methods for each specimen, sample, reagents, instruments, autoclaving techniques, recycling of products and e-waste as applicable to the field of Medicine(C,P)

Course Outcomes (COs)

Course Title & Code: Therapeutics and Tropical Medicine (MDC534A)

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

- CO-1. Have the knowledge of concept of essential drugs, pharmacokinetics, pharmacodynamics of important drugs, drug interaction, pharmacogenomics, rational use of drugs and prescription writing. (C)
- CO-2. Student should be conversant with the clinical presentation, diagnosis and treatment of environment related disorders, toxins, poisonings, envenomation, and nutrition. (C,P)
- CO-3. Students should have knowledge about clinical presentation, diagnosis, management and prevention of viral, bacterial, protozoal, fungal diseases and common infections of skin (C,P)

Course Outcomes (COs)

Course Title & Code: Systemic medicine of all the Organ systems (MDC535A)

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

- CO-1. Student should be conversant with the clinical features, diagnosis, management, and complication of various systemic diseases related to Medicine and common diseases of Psychiatry. (C,P)

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Course Outcomes (COs)

Course Title & Code: Recent advances in field of Medicine. (MDC535A)

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

- CO-1. Should be conversant with the newer advances in the field of Medicine including newer guidelines of the diseases, , investigation modalities like immunohistochemistry, flow cytometry, molecular tests, newer drugs, recent trials, awards, discoveries, national programmes.(C)
- CO-2. The student should be conversant with the use of technologies in the field of Medicine, newer methods of imaging and artificial intelligence. (C)

Course Outcomes (COs)

Course Title & Code: Thesis – General Medicine (MDP509A)

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

- CO-1. Describe the techniques of research, identify available literature, and critically analyze the same. (C)


Registrar
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