M.S. Ramaiah University of Applied Sciences

New BEL Road, MSR Nagar, Bangalore – 560054

RAMAIAH UNIVERSITY OF APPLIED SCIENCES

PO, PSO, PEO & CO

Programme: MDS in Public Health Dentistry

Programme Code: 071

Programe Outcome (PO)
Programe Specific Outcome (PSO)
Program Educational Objectives (PEO)
Course Outcomes (CO)

Registrar
M.S. Ramaiah University of Applied Sciences
Bangalore - 560 054

Approved in 23rd ACM (Resolution 23.05) held on 15th July 2021

Programme Outcomes (POs)

M.D.S. in Public Health Dentistry graduates will be able to:

PO- 1. Estimate oral disease burden following the principles of epidemiology
PO- 2. Discuss public health and its significance at national and global level
PO- 3. Develop promotive interventions for addressing oral diseases at individual and community level
PO- 4. Demonstrate leadership qualities while organizing and implementing community programs
PO- 5. Apply appropriate measures in terms of advocacy, lobby efforts or interventions (Policy changes) at community level
PO- 6. Demonstrate the competencies and skills essential to function as an effective Public Health Dentist

Programme Specific Outcomes (PSOs)

At the end of the M.D.S (Public Health Dentistry) program, the graduate will be able to:

PSO-1. Explain the role of social, cultural, environmental, political, legal, economicand other determinants of oral health

PSO-2. Critically appraise evidence to address oral health issues for individuals andpopulations to plan evidence based programmes relevant to the context

PSO-3. Plan and execute oral health programmes and evaluate the effectiveness of the implemented oral health programme

PSO-4. Initiate advocacy efforts for oral health policy, legislation and regulation toprotect and promote the public oral health and overall health

Program Educational Objectives (PEOs)

The objectives of the M.D.S. (Public Health Dentistry) Programme are to:

PEO-1. Provide students with a strong foundation in basic and applied medical and dental sciences to address oral health issues to enable them to devise and deliver efficientsolutions to challenging problems pertaining to public health dentistry

PEO-2. Impart analytic and cognitive skills required to develop innovative solutions for R&D, Industry, and societal requirements as related to public health dentistry

PEO-3. Provide sound theoretical and practical knowledge of oral health sciences, managerial and entrepreneurial skills to enable students to contribute to the well- being and welfare of the society

PEO-4. Inculcate strong human values and social, interpersonal and leadership skills required for professional success in evolving global professional environments

Course Outcomes (COs)

Course Title & Code: Public Health (DPC501A)

After the successful completion of this Course, the student will be able to:

- CO-1. Discuss the applied aspects of basic sciences relevant to oral health
- CO-2. Analyze the role of epidemiology in identifying association and causation of oral
- CO-3. Assess risk factors associated with various oral diseases using appropriate tools
- CO-4. Explain the demographic trends as related to oral health
- CO-5. Discuss the planning of health programmes and role of health care delivery system
- CO-6. Provide preventive oral health care to individuals and communities

Course Outcomes (COs)

Course Title & Code: Dental Public Health 1 (DPC502A)

After the successful completion of this Course, the student will be able to:

- CO-1. Discuss Principles of Dental Public Health including determinants and public health approaches
- CO-2. Apply principles of oral epidemiology and conduct needs assessment/situation analysis, adopting relevant tools
- CO-3. Discuss the principles of oral health promotion in the light of sustainable development goals, universal health coverage
- CO-4. Develop, and implement evidence based Oral health promotion programmes for the given communities
- CO-5. Develop evaluation strategies for the oral health promotion programme implemented
- CO-6. Plan and provide comprehensive oral health care at the individual level

Course Outcomes (COs)

Course Title & Code: Dental Public Health- 2 (DPC503A)

After the successful completion of this Course, the student will be able to:

- CO-1. Compare the health care delivery system at National and International level
- CO-2. Suggest alternative strategies to individual components of health care delivery systemto improve the oral health status of the population
- CO-3. Propose measures to integrate Oral health into existing health care delivery system
- CO-4. Evaluate the unit of oral health care delivery system and suggest measures to strengthen the services
- CO-5. Write policy statement and Memorandum of Understanding (MOU's) related to oral

    health relevant to given context
- CO-6. Explore the opportunities for funding of oral and public health issues of the population and write proposals for funding

Course Outcomes (COs)

Course Title & Code: Clinical Photography (MF501A)

After the successful completion of this Module, the student will be able to:

- **CO-1.** Describe the basic parts and functions of the camera, Principles behind the working of a camera, types of camera and components of a SLR camera.
- **CO-2.** Demonstrate on how to use a DSLR.
- **CO-3.** Perform the skills of taking both intraoral and extraoral photographs of the module.

Course Outcomes (COs)

Course Title & Code: Basic and Advanced Life Support (MF502A)

- **CO-1.** Describe and demonstrate effective cardio pulmonary resuscitation with automatic External Defibrillator use for adults and children with 1 rescuer and 2 rescuers.
- **CO-2.** Describe and demonstrate effective cardio pulmonary resuscitation for infants with 1 rescuer and 2 rescuers.
- **CO-3.** Differentiate between adult, child and infant rescue techniques.
- **CO-4.** Demonstrate rescue breathing for adult, child and infant
- **CO-5.** Demonstrate bag mask technique for adult, child and infant
- **CO-6.** Demonstrate relief of choking for adult, child and infant

Course Outcomes (COs)

Course Title & Code: Personality Development and Communication Skills (MF503A)

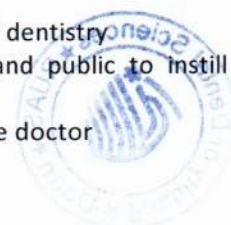**After the successful completion of this Module, the student will be able to:**

- **CO-1.** Explain the concept of interpersonal effectiveness
- **CO-2.** Identify the nuances of working in teams, conflict handling, and time management
- **CO-3.** Apply the principles of interpersonal communication towards professional betterment
- **CO-4.** Apply time management tools for optimal usage of time

Course Outcomes (COs)

Course Title & Code: Law for Dental Professionals (BDF101A)

After the successful completion of this course, the student will be able to:

- **CO-1.** Describe the structure and functioning of legal system of India
- **CO-2.** Differentiate between various laws relevant to dentistry
- **CO-3.** Identify clinical situations that pose ethical dilemma to be resolved with sound ethicalprinciples
- **CO-4.** Apply principles of professionalism in the practice of dentistry
- **CO-5.** Communicate effectively with patients, colleagues and public to instill a positive dentalattitude
- **CO-6.** Prepare plan of action in case of litigation against the doctor

Course Outcomes (COs)

Course Title & Code: Teacher Training Module (MF505A)

After the successful completion of this Module, the student will be able to:

- **CO-1.** Develop teaching notes on the allotted topic
- **CO-2.** Deliver lecture to a group of students
- **CO-3.** Submit questions for assessment relevant to the allotted topic
- **CO-4.** Analyze student feedback to initiate corrective actions.

Course Outcomes (COs)

Course Title & Code: Research Methodology (MR501A)

After the successful completion of this Module, the student will be able to:

- **CO-1.** Describe the value, scope, relevance and mandatory steps of research as well as principles of effective research
- **CO-2.** Apply the procedures outlined for systematic literature review
- **CO-3.** Develop and present well structured research proposal and research paper invoking clearly outlined principles
- **CO-4.** Identify and apply the essential skills desirable for an effective technicalpresentation

Course Outcomes (COs)

Course Title & Code: Short Term Project/ Group Project (MR502A)

After the successful completion of this Module, the student will be able to:

- **CO-1.** Work in a team and undertake a project in their area of specialization
- **CO-2.** Apply the design methods and techniques for executing the project
- **CO-3.** Apply appropriate methodology while formulating a project

Course Outcomes (COs)

Course Title & Code: Library Dissertation (MR503A)

After the successful completion of this Module, the student will be able to:

- **CO-1.** Differentiate types of scientific literature, search strategies and research designs
- **CO-2.** Select topic relevant to the field of study
- **CO-3.** Select literature utilising different search engines
- **CO-4.** Review the selected literature and compile it
- **CO-5.** Formulate a research question based on the outcome of literature review
- **CO-6.** Prepare scientific manuscript for publication

Course Outcomes (COs)

Course Title & Code: Dissertation (MR504A)

After the successful completion of this Module, the student will be able to:

- **CO-1.** Critically review scholarly literature collected from various sources for the dissertation purpose and formulate a research problem
- **CO-2.** Prepare and present a research proposal
- **CO-3.** Conduct research to achieve research objectives
- **CO-4.** Propose new ideas/methodologies or procedures for further improvement of the research undertaken
- **CO-5.** Create research document and write research papers for publications
- **CO-6.** Defend the research findings in front of scholarly audience

Course Outcomes (COs)

Course Title & Code: Conference Presentation (PMR505A)

After the successful completion of this Module, the student will be able to:

- **CO-1.** Choose a contemporary topic in his/her area of study for research
- **CO-2.** Write a conference paper based on research and present in the conference

Course Outcomes (COs)

Course Title & Code: Journal Publication (MR506A)

After the successful completion of this Module, the student will be able to:

- **CO-1.** Choose a contemporary topic in his/her area of study for research
- **CO-2.** Write a research paper based on research and publish in a journal

Course Outcomes (COs)

Course Title & Code: Interuniversity Module (MG501A)

After the successful completion of this Module, the student will be able to:

- **CO-1.** Apply tools and techniques proficiently in the area of the training undergone for efficientexecution of the stated objective
- **CO-2.** Make presentation on training obtained

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