



Programme Specifications

MDS Programme

Programme:
Public Health Dentistry

Department:
Faculty of Dental Sciences

Faculty of Dental Sciences
M.S. Ramaiah University of Applied Sciences

Programme Specifications: Public Health Dentistry

Faculty	Dental Sciences
Department	Public Health Dentistry
Programme	Master of Dental Surgery
Dean of Faculty	Dr B V Sreenivasa Murthy
Head of Department	Dr K Pushpanjali

1 Title of The Award

MDS in Public Health Dentistry

2 Modes of Study

Full Time

3 Awarding Institution /Body

M.S. Ramaiah University of Applied Sciences

4 Joint Award

Not Applicable

5 Teaching Institution

Faculty of Dental Sciences, M.S. Ramaiah University of Applied Sciences

6 Programme Approved date by the Academic Council of the University

February 2015

7 Next Review Date:

January 2018

8 Programme Approving Regulating Body and Date of Approval

Dental Council of India (DCI)

9 Programme Accredited Body and Date of Accreditation

10 Grade Awarded by the Accreditation Body

11 Programme Accreditation Validity Duration

12 Programme Benchmark

DCI - New Delhi: Public Health Dentistry

13 Date of Programme Specifications

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14 Rationale for the Programme

The present Global scenario has recognized Dental Public health as a core component of the undergraduate dental curricula. This recognition acknowledges that Dental Public Health is an important subject relevant to practice of dentistry.

Oral diseases are few of the most prevalent health problems throughout the world. Dental caries and periodontal disease represent most of the problem, but edentulism, oral cancer, orodental trauma, malocclusion and craniofacial anomalies also contribute to the burden.

Demographic shifts have resulted in differing trends in disease burden among place, person more so pertaining to economic status of the country. These scenarios pose challenging situations and have prompted each of the country to adopt methods relevant to their scenario at political level and community level to combat the disease burden. This burden with differing determinants provides opportunities for research to plan implementation strategies relevant to their scenarios. Currently, communities are recognizing the need for broad and diverse input into promotion of oral health. Hence, Graduates with adequate skills in terms of initiating public/private partnerships, community coalitions and volunteerism and new health communication strategies such as social marketing and media advocacy are required for being incorporated into public health approaches to improving oral health.

This is the specialty which addresses the problems at community level adopting whole population strategy, targeted approach and risk group approach. This substantiates the need for training more graduates to meet these challenges.

15 Programme Mission

Master in Public Health dentistry is designed to equip the graduates with necessary skills (communication, social, political), to identify and to ascertain the burden and plan intervention appropriately. The competencies acquired in terms application, evaluation and synthesis of knowledge will enable the graduate to initiate intervention as, advocacy at Government level, lobby efforts with professional bodies and also at community and individual level. They are also equipped to demonstrate leadership qualities in organizing community based programs and act as effective link between Public and community, working in partnership with different sectors. In a nutshell the graduate should be able to demonstrate transferable skills in his future career prospects. To communicate and work across agencies and function as effective change agents and able to integrate oral health strategies into existing and ongoing public health programs.

16. Programme Goal

The Programme goal is to produce graduates with critical, analytical and problem solving skills and ability to think independently in pursue in Public Health Dentistry

17. Programme Objectives

The programme aims to prepare the students for a career in Public Health Dentistry at academic levels and National and International health agencies. This programme aims to impart students with analytical and problem solving skills with adequate competency in epidemiology and statistical

applications.

The specific programme objectives is:

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

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Programme Intended Learning Outcomes

The intended learning outcomes are listed under four headings

1. Knowledge & Understanding
2. Cognitive Skills
3. Clinical Skills
4. Transferable/Capability skills

Knowledge and Understanding:

After undergoing this programme the student should be able to:

- KU1: Describe methods and tools for estimating disease burden in the community
- KU2: Interpret the findings of community oral health survey
- KU3: Explain the process to be adopted in planning a programme for the estimated disease burden or health condition
- KU4: Describe the process to be adopted for evaluating the community oral health programme

Cognitive Skills:

After undergoing this programme the student should be able to:

- CS1: Develop new methods and tools for estimating disease burden/health condition in the community
- CS2: Plan a comprehensive oral healthcare programme/plan for the community and individual and implement the same
- CS3: Organize community health program by applying principles of Oral Health promotion
- CS4: Analyse data collected from Public Health Programmes for cost benefit and cost effectiveness

Clinical skills:

After undergoing this programme the student should be able to:

- PS1: Conduct risk assessment at both individual and community levels
- PS2: Perform comprehensive oral health care for individuals
- PS3: Implement community health programmes effectively
- PS4: Implement situation specific preventive interventions

Transferrable Skills:

After undergoing this programme the student should be able to:

- TS1: Manage information, develop technical reports and make presentations

TS2: Build, Manage and Lead a team to successfully complete a project and communicate across teams and organizations to achieve professional objectives

TS3: Work under various constraints to meet project targets

TS4: Adopt to the chosen profession by continuously upgrading his/her knowledge and understanding through Life-long Learning philosophy

18 Programme Structure

Entire postgraduate program is a 3-year program comprising of 6 terms of 26 weeks each. Every term can be a combination of modules including Programme Specialization Module, Research Module, Faculty Common Module and an Elective Module. Each Programme specialization module will be followed by one week of assessment and assignment. Every student can avail 2 weeks of vacation once a year during the assignment subject to approval of the head of the department. Every module will also have one-week duration allotted for National Conference and Post Graduate Convention. The following are the modules a student is required to successfully complete for the award of the degree

	Module type	Module code	Module Title	Credits
Term 1				
1	Programme specialization modules	PGPHD01	Epidemiology	24
2	Faculty-Common Modules	PGFCM01	Clinical photography	1
3	Faculty-Common Modules	PGFCM02	Basic and advanced life support	1
4	Faculty-Common Modules	PGFCM03	Personality Development and Soft Skills	1
5	Faculty-Common Modules	PGFCM04	Ethics and Professionalism	1
6	Research modules	PGRM01	Research Methodology	2
Term 2				
1	Programme specialization modules	PGPHD02	Public Health	24
2	Research modules	PGRM03	Library Dissertation	4
Term 3				
1	Programme specialization modules	PGPHD03	Clinical Phase Basics – 2	24
2	Elective module	PGEM01	Training in MSRUAS	1
3	Research modules	PGRM02	Short term project/Group project	6
4	Research modules	PGRM05	Conference presentation	1
Term 4				
1	Programme specialization modules	PGPHD04	Clinical Phase Advanced - 1	24
2	Elective module	PGEM02	Training in any other institution in India or Abroad	3
3	Research modules	PGRM04	Dissertation	8
Term 5				
1	Programme specialization modules	PGPHD05	Clinical Phase Advanced - 2	24
2	Research modules	PGRM04	Dissertation	10
3	Research modules	PGRM06	Journal publication	1
Term 6				
1	Programme specialization modules	PGPHD06	Clinical Phase Advanced - 3	20
TOTAL				180

Programme Delivery Structure			
The following table explains the programme time table			
Week	Teaching Learning Activity	Research Activity	Supporting Activity
Term 1			
1-22	PGPHD01-Preclinical phase		National Conference
23	Assessment & Assignments		
24-25			PGFCM01 - Clinical photography
			PGFCM02 -Basic and advanced life support
			PGFCM03 -Personality Development and Soft Skills
			PGFCM04 – Ethics and professionalism
26		PGRM01 - Research Methodology	
Term 2			
1-22	PGPHD02 - Clinical Phase Basics – 1	Start of Library dissertation Submission of synopsis for Short term project /Group project	Postgraduate Convention
24	Assessment & Assignments	PGRM03 – Submission of Library Dissertation PGRM04 - Submission of synopsis for Dissertation	
25-26			
Term 3			
1-22	PGPHD03 - Clinical Phase Basics – 2	PGRM05 - Conference presentation	National Conference
23	Assessment & Assignments		
24		PGEM01 - Training in MSRUAS	
25-26		PGRM02 - Submission of Short term project /Group project	
Term 4			
1-22	PGPHD04 - Clinical Phase Advanced – 1		Postgraduate Convention
23		PGRM04 - Review of Dissertation	
24	Assessment & Assignments		
25- 26		PGEM02 - Training in any other institution in India or Abroad	
Term 5			
1-22	PGPHD05 - Clinical Phase Advanced – 2	PGRM06- Journal Publication	National Conference
23	Assessment & Assignments		
24-26		PGRM04 - Submission of Dissertation	
Term 6			
1-18	PGPHD06 - Clinical Phase Advanced – 3		
19 -24	Study Leave		
25-26	Assessment		

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20. Module Delivery Structure

The module is delivered Monday to Saturday of the week according to time table including mandated library/laboratory time towards self-directed learning.

21 Teaching Learning Methods

Teaching and Learning Methods

1. Interactive Teaching Learning methods
2. Team Teaching/ Integrated Teaching
3. Case Based Discussions
4. Face to Face Lectures using Audio-Visuals
5. Seminars/journal clubs/e-lectures
6. Group Discussions, Debates, Presentations
7. Interdepartmental meets
8. Continuing dental education programs/symposiums/workshops
9. Clinical / Practicals
10. Mini Clinical Exercise, Direct Observation of Procedural skills
11. Laboratory-work Demonstrations
12. Case Discussions
13. School visits/Outreach center visits
14. Project work
15. State/National/International conferences and conventions

22 Research modules

Research modules are

1. Research Methodology

Every student shall be trained in a Research Methodology in a workshop prior to starting any research project.

2. Library dissertation

Each student is expected to submit a report on literature review to arrive at a research question for the dissertation.

3. Short term or Group Project

Each student is expected to carry out either a short term project in their own specialty or conduct an interdisciplinary research project as a group project. The students can choose a project from the priority areas of research of the concerned department or the Faculty and submit the synopsis of the intended project for review. A group will not have more than 5 students. The purpose of group project is that the group should be able to design a multidisciplinary research project. The students are required to develop a report for assessment and also finalise the report in form of a manuscript and submit to the constituted committee. A committee constituted by the Academic Registrar of the Faculty shall review the synopsis of the intended research project and progress of the research project till completion. The detail procedure and evaluation procedure will be provided in student handbook.

4. Dissertation

A student should choose a project from the priority areas of research for the department and submit the finding in the form of a dissertation. The detail procedure of executing and assessing individual project is specified in student handbook.

5. Conference presentation

Each student is expected to present the findings of the short-term project/group project or dissertation at the National conference of the specialty or at related disciplines. During the course of MDS in three years, a student is mandatorily required to present a minimum of one poster/ table clinic and one paper.

6. Journal Publication

Each student shall have submitted at least one publication at the time of appearing at CEE. The publication can be a review, original research or case report in a peer reviewed, indexed journal.

23 Elective Module

Elective modules are

1. Training in any other university

A student can undergo training in any other university or any other organisation in a specific subject area that falls under the broad category of his specialization either in India or Abroad for two weeks. He/she need to submit a complete report on the training undergone and also make a presentation to a team of examiners.

2. Training in MSRUAS

A student can undergo training in any other Faculty of the University for one week to hone skills necessary for career. He/she need to submit a complete report on the training undergone and also make a presentation to a team of examiners.

24 Faculty common modules

Each student is expected to undergo training in the following modules as an value added skill for his/her post-graduation

- a. Basic And Advanced Life Support
- b. Personality Development And Soft Skills
- c. Clinical Photography
- d. Ethics and Professionalism

Module specifications will contains details of aim and summary, intended learning outcomes, contents, delivery and assessment.

25 Assessment and Grading**Programme specialization Teaching Module (PSTM) 1 - 6**

There are two components-

Component 1 (Continuous Evaluation of Module CEM) for PSTM 1-5

Component 2 (Course End Exam CEE) for PSTM 6,

- 1. Component 1 (Continuous Evaluation of Module CEM): 600 marks for module 1 to 5**

- ii. Every module will be assessed for 120 marks; assessment in theory for 40 marks, in practicals /clinical for 40 marks and an assignment for 40 marks
 - a. Component 1A will be as assessment in theory for 20 marks conducted at the end of module while 20 marks will be assigned for seminars, journal clubs, or any other such academic activity conducted during the module.
 - b. Component 1B will be assessments in regular chair side discussions of practicals/clinical for 20 marks and viva voce marks for 20 marks.
 - c. Component 1C will be an Assignment that will be submitted as a report followed by presentation for 40 marks.

2. Component 2 (Course End Exam CEE): 600 marks

At the end of the 6th module, a Course end exam will be held as per the norms of the University/DCI for Assessment.

a. Assessment for theory will be for 300 marks consisting of 4 papers as specified by DCI.

- Paper-I- Applied Basic Sciences & Research Methodology
- Paper-II - Public Health
- Paper III - Dental Public Health
- Paper-IV - Essay

b. A structured viva voce exam for 80 marks and a pedagogy for 20 marks will be conducted during practical exam.

c. Structured clinical exam for different exercises will be assessed for 200 marks.

1. Recording of Case history for at least two patients , who represent the community (To use two relevant indices for the assessment of oral health) and presentation of the observation - 50 Marks
2. Clinical Procedure - 50 Marks
 - a. One of the treatment procedures as per treatment plan. (Restorative, surgical, rehabilitation)
 - b. Preventive oral health care procedure
 - c. One of the procedures specified in the curriculum.
3. Critical evaluation of a given research article published in an international journal - 50 Marks
4. Problem solving - a hypothetical oral health situation existing in a community is given with sufficient data. The student as a specialist in community dentistry is expected to suggest practical solutions to the existing oral health situation of the given community – 50 marks

Research, Faculty common, Elective modules : 600 Marks

These modules will be assessed as per the assessment norms as specified in the module specification. The assessment for these modules is through tests, presentations or any other method as specified in the module specification.

26 Eligibility, Failure and Readmissions

In case of Programme specialization teaching modules 1 – 5, the student is eligible for the next Programme specialization module on satisfaction of attendance requirement and obtaining 40% in Component 1.

If a student fails in component 1, he/she is required to take up the resit examination in theory and viva for the module when offered prior to the next Programme specialization teaching module by paying the requisite fees. In case, the student is unable to submit assignment and attend assessment at the end of the Programme specialization module, with due considerations (on a case to case basis) to the underlying circumstances, the student may be permitted to appear for the Resit examination in assignment, theory and viva voce with the permission of the Dean of the Faculty and Academic Registrar of the University. Assessment and pass criteria for Research, Faculty common, Elective modules is set in the module specifications and followed accordingly

27 Attendance

A student is required to have a minimum of 85% attendance to be eligible to write the examination. Less than 85% attendance is considered to be ineligible; such a student is required to follow the same procedure as that of a failed student.

28 Award of Class

As per the Programme regulations

29 Student support for Learning

1. Module Notes
2. Reference Books in the Library
3. Magazines and Journals
4. Internet Facility
5. Computing Facility
6. Laboratory Facility
7. Workshop facility
8. Staff support
9. Lounges for Discussions
10. Any other support that enhances their learning

30 Quality Control Measures

1. Review of Subject Notes
2. Review of Question Papers and Assignment Questions
3. Student Feedback
4. Moderation of assessed work
5. Opportunities for students to see their assessed work
6. Review by external examiners and external examiners reports
7. Staff Student consultative committee meetings
8. Student exit feedback
9. Subject Assessment Board (SAB)
10. Programme Assessment Board (PAB)

31 Curriculum Map

Module Code	Knowledge & Understanding				Cognitive Skills				Clinical Skills			
	KU1	KU2	KU3	KU4	CS1	CS2	CS3	CS4	PS1	PS2	PS3	PS4
PGPHD01	X	-	-	-	-	-	-	X	X	-	-	-
PGPHD02	X	X	X	X	X	X	X	X	X	X	X	X
PGPHD03	X	X	X	X	X	X	X	X	X	X	X	X
PGPHD04	X	X	X	X	X	X	X	X	X	X	X	X
PGPHD05	X	X	X	X	X	X	X	X	X	X	X	X
PGPHD06	X	X	X	X	X	X	X	X	X	X	X	X
PGRM01	-	-	-	X	-	-	-	X	-	-	-	-
PGRM02	X	X	X	X	X	X	X	X	X	X	X	X
PGRM03	X	X	X	X	X	X	X	X	X	X	X	X
PGRM04	X	X	X	X	X	X	X	X	X	X	X	X
PGRM05	X	X	X	X	X	X	X	X	X	X	X	X
PGRM06	X	X	X	X	X	X	X	X	X	X	X	X
PGFCM01	X				X							
PGFCM02					X	X	X	X	X	X	X	X
PGFCM03				X		X					X	
PGFCM04				X						X		
PGEM01				X	X	X	X	X	X	X	X	X
PGEM02					X	X	X	X	X	X	X	X

32 Capability Map

Module Code	Group work	Self-learning	Research Skills	Written Communication Skills	Verbal Communication Skills	Presentation Skills	Behavioral Skills	Information Management	Personal management/ Leadership Skills
PGPHD01	X	X	X	X	X	X	X	X	
PGPHD02	X	X	X	X	X	X	X	X	X
PGPHD03	X	X	X	X	X	X	X	X	X
PGPHD04	X	X	X	X	X	X	X	X	X
PGPHD05	X	X	X	X	X	X	X	X	X
PGPHD06	X	X	X	X	X	X	X	X	X
PGRM01	X	X	X	X	X	X	X	X	X
PGRM02	X	X	X	X	X	X	X	X	X
PGRM03	X	X	X	X	X	X	X	X	X
PGRM04	X	X	X	X	X	X	X	X	X
PGRM05	X	X	X	X	X	X	X	X	X
PGRM06	X	X		X	X	X	X		X
PGFCM01			X		X	X		X	
PGFCM02	X	X	X	X	X	X	X	X	X
PGFCM03	X	X	X	X	X	X	X	X	X
PGFCM04	X	X	X	X	X	X	X	X	X
PGEM01	X	X	X	X	X	X	X	X	X
PGEM02	X	X	X	X	X	X	X	X	X

33 Co-curricular Activities

Students are encouraged to take part in co-curricular activities like seminars, conferences, symposium, paper writing, attending industry exhibitions, project competitions and related activities to enhance their knowledge and network.

34 Cultural and Literary Activities

To remind and ignite the creative endeavors, annual cultural festivals are held and the students are made to plan and organise the activities

35 Sports and Athletics

Students are encouraged to engage in routine physical activities and also take part in annual sports and athletic events.

