



# **ORAL MEDICINE**

Residency Training Program  
Leading to the degree of

**Master of Science (MSc)**

**SHAHEED ZULFIQAR ALI BHUTTO MEDICAL UNIVERSITY  
ISLAMABAD**



# CURRICULUM

Master of Science (MSc)

**Oral Medicine**



## CURRICULUM DEVELOPMENT COMMITTEE

This Curriculum is developed by the following committee

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## **ROAD MAP OF MSc ORAL MEDICINE** **(A Brief Summary)**

### **GENERAL INFORMATION AND PROGRAM GOALS:**

University offer a 24 month MSc program. This program intends to attract candidates that have an interest in Oral diseases and related research methodologies. The curriculum focuses on formal teaching & training as well as practical fieldwork.

This MSc program aims to train and equip the post-graduate students with all the necessary knowledge & skills, at par with international standards, required to be a leader in the field of oral medicine. The candidates, upon graduation, will be expected to demonstrate a high level of expertise in the field of Oral Medicine with a more specific focus on dentally-related aspects as well as an aptitude for planning & managing public oral medicine program and services successfully.

### **COURSE DESCRIPTION:**

The program will consist of sixty (64) credits of various courses distributed over a span of two academic years. This would include almost 960 hours of formal teaching/contact hours and/or 2880 scheduled hours of practical fieldwork. This could be in the form of individual/group fieldworks, field visits, community health camps, class assignments & class exercises.

Year 01		
ID	Title	Credit Hours
OMP1-01	Introduction to Research	3
OMP1-02	Oral Diagnosis & Evaluation of the Dental Patient	3
OMP1-03	Pharmacology	3
OMP1-04	Ulcerative, Vesicular, and Bullous Lesions	5
OMP1-05	Red and White Lesions of the Oral Mucosa	5





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<b>OMP1-06</b>	Pigmented lesions of the oral mucosa	<b>5</b>
<b>OMP1-07</b>	Benign & Malignant Lesions of the Oral Cavity	<b>3</b>
<b>OMP1-08</b>	Orofacial Pain, Headache & Temporomandibular Disorders	<b>5</b>
<b>Total</b>		<b>32</b>

<b>Year 02</b>		
<b>ID</b>	<b>Title</b>	<b>Credit Hours</b>
OMP2-11	Oral Diagnosis & Evaluation of the Dental Patient	<b>4</b>
OMP2-12	Pharmacology	<b>1.5</b>
OMP2-13	Ulcerative, Vesicular, and Bullous Lesions	<b>5</b>
OMP2-14	Red and White Lesions of the Oral Mucosa	<b>5</b>
OMP2-15	Pigmented lesions of the oral mucosa	<b>1.5</b>
OMP2-16	Benign & Malignant Lesions of the Oral Cavity	<b>3</b>
OMP2-17	Salivary Gland Diseases	<b>2.5</b>
OMP2-18	Orofacial Pain, Headache & Temporomandibular Disorders	<b>4.5</b>
OMP2-19	Systemic Diseases & their Oral Manifestation	<b>4</b>
OMP2-110	Basic Principles of Human Genetics: A Primer for Oral Medicine	<b>1</b>
<b>Total</b>		<b>32</b>
<b>Grand Total (Year 01 + Year 02)</b>		<b>64</b>

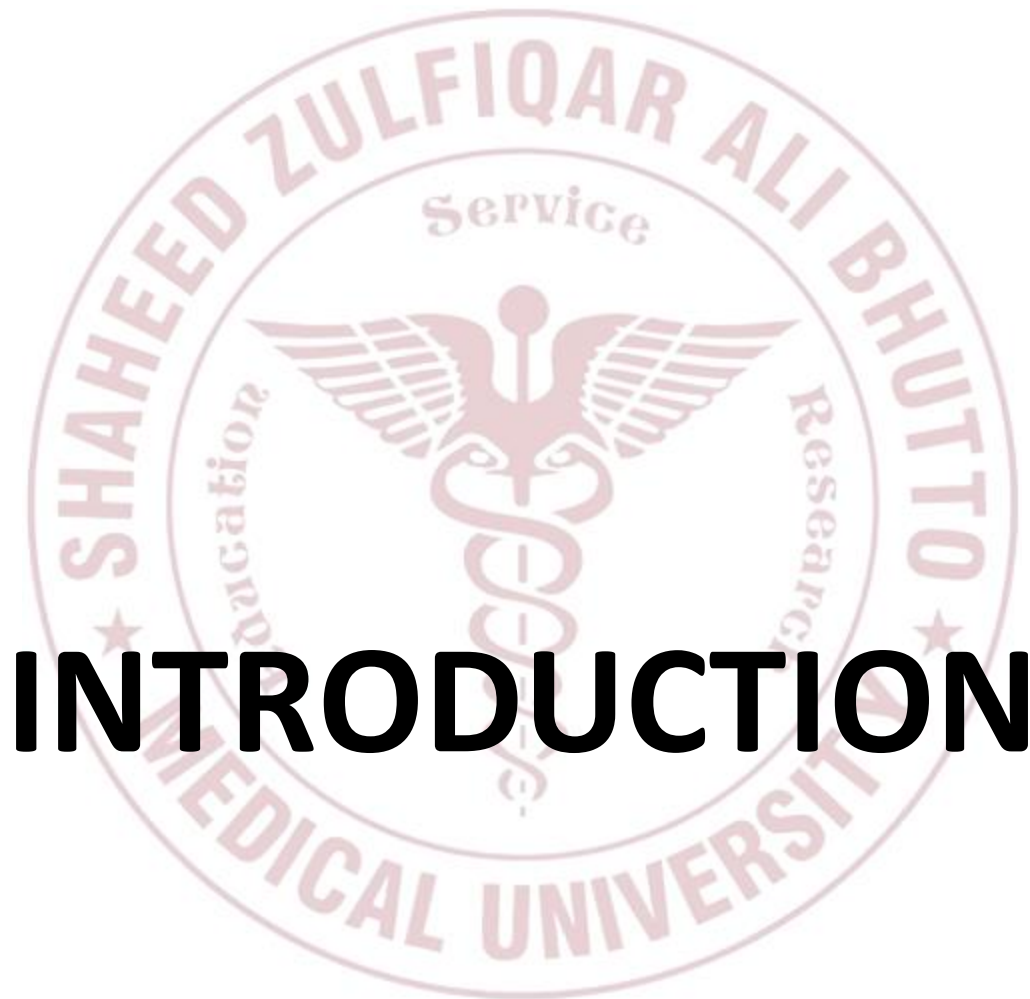


## **Requirements for Graduate students Enrolled in the MSc program**

- Fulfillment of University requirements for postgraduate study.
- Two (02) years of consecutive full time advanced study and training at Islamabad Dental Hospital.
- Complete and approved master's thesis based on original research during the course of study in an area related to field of dentistry, suitable for publication in a reputable dental journal.
- Must complete all course & research work in the required curriculum and satisfactorily pass all the University examinations.
- A minimum grade of "B (60%)" must be earned in all work/examinations attempted in the master's program. A grade below "B" will require re-examination.



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# **INTRODUCTION**





## INTRODUCTION

The department of Oral Medicine at Islamabad Medical & Dental College will offer a 24 month Master of Science (MSc) program. This program intends to attract candidates that have an interest in oral diseases and related research methodologies. The curriculum focuses on formal teaching & training as well as practical fieldwork.

This program aims to train and equip the post-graduate students with all the necessary knowledge & skills, at par with international standards, required to be a leader in the field of oral medicine. The candidates, upon graduation, will be expected to demonstrate a high level of expertise in the field of Oral Medicine with a more specific focus on dentally-related aspects as well as an aptitude for planning & managing public oral medicine program and services successfully. The training has been based on the current thinking and the requirements for

- Greater protection of the public interest by providing clear information as to the level of training achieved.
- Improved access to specialty training to general practitioners.
- Greater flexibility of training through the availability of multiple instructors.
- Producing a competent workforce with the appropriate skills and knowledge necessary to meet the varying levels of treatment complexity, as well as considering the relative need and demand of potential patients.



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- Acquire the experience to carry out research projects, critically evaluate scientific publications and communicate clinical and research papers in journals and conferences.





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# **RATIONALE**



## **RATIONALE:**

### **Need of program**

This training program is structured keeping in view the need of the society. Following needs are identified through formal and informal discussion with the stakeholders.

- Deficiency of the quality health care providers to public in the field of oral medicine.
- Dearth deficiency of competent faculty in the field.
- Deficiency of state of the art oral medicine training center.

### **Purpose of training**

The purpose of this curriculum is to guide the training of an individual to the core level of competence required for specialist and consultant. This training will produce consultant who are specialists in their field.

### **Context of Training**

To provide an organized educational program with guidance and supervision, a structured training program will be followed so that each trainee is exposed to different aspects of the subject and acquires special knowledge and skill as expected in this program. The training will provide a basis for the candidate to develop into a lifelong learner who is capable of self-reflection and self-directed learning. It will provide a basis for further ongoing development in the field.



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## **Duration of training**

The program leading to MSc in Oral Medicine will be of 2 years full time.







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# **AIMS & OBJECTIVES**



## **AIMS & OBJECTIVES**

### **Aims of Training**

The candidate should acquire and become proficient in the skills required for oral medicine practice with an emphasis on multidisciplinary treatment planning, disease prevention, diagnosis and provision of advanced oral medicine treatment techniques for those clinical cases meriting specialist care. The candidate should demonstrate attitudes necessary for the achievement of high standards of oral medicine practice both in relation to the oral health needs of the population and to his/her own personal development.

### **Learning Objectives**

On completion of training, the trainee will be able to achieve following aptitudes.

#### **Knowledge**

- Demonstrate knowledge of clinical aspects of basic sciences as applied to oral medicine.
- Demonstrate knowledge of the etiology, pathobiology and clinical presentations of diseases of oral and perioral tissues.
- Demonstrate knowledge of the impact of systemic diseases on oral tissues and of oral diseases on systemic health.
- Acquire knowledge and comprehend the principles of theory and practice of all the domains of oral medicine.



## Skill

- Take history and conduct clinical examination and investigations that allow collection of information needed to evaluate the oral and related medical conditions for all patients.
- Determine the differential, provisional and definitive diagnosis by interpreting and correlating findings from the history, clinical & radiographic examination together with other diagnostic tests.
- Devise treatment plans specific to the needs and expectations of individual patients.
- Execute conventional and contemporary techniques of all the domains of oral medicine.
- Demonstrate competency in teaching methods, use of information technology, appraisal and assessment techniques and development of appropriate learning methods for lifelong learning.
- Show evidence of ability to undertake research.

## Attitude

- Demonstrate a professional and ethical approach to patient care.
- Demonstrate a professional attitude to all the members of the team.
- Demonstrate full and clear understanding of equality and diversity legislation as it applies to the workplace and to professional practice.



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# **ENTRY CRITERIA**



## ENTRY CRITERIA:

### Eligibility to apply for MSc Oral medicine

1. Candidate must possess BDS or equivalent degree and one year house job from PMDC recognized Institutions.
2. Permanent valid registration with PM&DC.
3. Declared successful in admission entry examination specified by Shaheed Zulfiqar Ali Bhutto Medical University
4. In case of foreign candidate, valid registration with Medical Council of their country of origin must be produced.

### Required Documents

Attested photo copies of the following documents must be attached with application form:

- Computerized National Identity Card (CNIC)
- Domicile certificate
- Matric/O Level, FSc/A Level, Certificates or equivalent
- BDS degree with detail marks certificates of all professional
- BDS Attempts certificates of all professional
- NEB pass certificate (for foreign graduates)
- House Job certificates
- PMDC valid permanent registration certificate
- Passing certificate of admission entry examination
- Experience Certificates (if any)
- Migration Certificate (To be produced at the time of admission)

### Admission Procedure

Details of admission procedure is available on university website at <http://www.szabmu.edu.pk/admission/postgraduate-admission>





# **CONTENT OF LEARNING:**



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### CONTENT OF LEARNING:

The program outline addresses both the knowledge needed in Oral Medicine and allied medical specialties in its scope. A minimum of two years of formal training through a graded system of education as specified will equip the trainee with knowledge, skill and attitude at its completion to be able to practice basic oral medicine competently.

### Learning Outcome

The topics along with their learning outcome are as under:-

### Year One (1)

Year 01			
ID	Title	Topics	Learning Outcome At the end of the year 01 resident should be able to
OMP1-01	Introduction to Research	1.1 Basic Epidemiology terms 1.2 Epidemiological Study Designs 1.3 Basic Biostatistics 1.4 Write a research proposal 1.5 Critical Appraisal	<ul style="list-style-type: none"><li>Demonstrate the understanding of the research in medical sciences and can apply these principles clinically</li></ul>



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Year 01			
ID	Title	Topics	Learning Outcome At the end of the year 01 resident should be able to
OMP1-02	Oral Diagnosis & Evaluation of the Dental Patient	2.1 Medical history 2.2 Examination of the patient and establishing the diagnosis 2.3 Oral Radiology 2.4 Consent 2.5 Medical referral (consultation) procedure 2.6 Formulating a plan of treatment and assessing medical risk	<ul style="list-style-type: none"> <li>• Demonstrate the skill of accurate medical history taking and clinical examination</li> <li>• Advise and justify the relevant investigations to develop a diagnosis</li> <li>• Formulate a safe treatment plan including referrals and informed consent</li> </ul>
OMP1-03	Pharmacology	3.1 Medications for orofacial pain 3.2 Antibiotic therapies for immuno-compromised patients 3.3 Antibiotic prophylaxis for infective endocarditis and prosthetic joints 3.4 Medications for white lesions 3.5 Antiviral medications	<ul style="list-style-type: none"> <li>• Demonstrate the understanding of different medications, their uses, drug interactions and side effects.</li> <li>• Prescribe specific and safe medication according to oral disease.</li> </ul>
OMP1-04	Ulcerative, Vesicular, and Bullous Lesions	4.1 The patient with acute multiple lesions 4.2 The patient with recurring oral ulcers 4.3 The patient with chronic multiple lesions 4.4 The patient with single ulcers 4.5 Traumatic injuries causing solitary ulcerations	<ul style="list-style-type: none"> <li>• Demonstrate the understanding and provide safe treatment of different commonly occurring ulcerative, vesicular and bullous lesions.</li> </ul>
OMP1-05	Red and White Lesions of the Oral Mucosa	5.1 Red and white tissue reactions 5.2 Premalignant lesions 5.3 Immuno-pathologic diseases 5.4 Allergic reactions 5.5 Toxic reactions 5.6 Reactions to mechanical trauma	<ul style="list-style-type: none"> <li>• Demonstrate the understanding and provide safe treatment of different Red and white lesions of the oral mucosa.</li> </ul>



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Year 01			
ID	Title	Topics	Learning Outcome At the end of the year 01 resident should be able to
<b>OMP1-06</b>	Pigmented lesions of the oral mucosa	6.1 Endogenous pigmentation 6.2 Focal melanocytic pigmentation 6.3 Multifocal/diffuse pigmentation 6.4 Melanosis associated with systemic or genetic disease 6.5 Idiopathic pigmentation 6.6 Hemoglobin and iron-associated exogenous pigmentation	<ul style="list-style-type: none"> <li>Demonstrate the understanding of different commonly occurring pigmented lesions of the oral mucosa and referred if needed</li> </ul>
<b>OMP1-07</b>	Benign & Malignant Lesions of the Oral Cavity	7.1 Squamous cell carcinoma 7.2 Other head and neck cancers 7.3 Pre-treatment oral and dental assessment 7.4 Complications of cancer treatment 7.5 Management of pain in orofacial cancer	<ul style="list-style-type: none"> <li>Demonstrate the understanding of different commonly occurring benign and malignant lesion of the oral cavity</li> <li>Formulate a safe treatment plan and referral to concerned speciality</li> <li>Demonstrate understanding of complication and management of pain in orofacial cancer</li> </ul>
<b>OMP1-08</b>	Orofacial Pain, Headache & Temporomandibular Disorders	8.1 Aetiology, epidemiology, and classification of TMDs 8.2 Assessment & physical examination 8.3 General principles of treating TMDs 8.4 Specific disorders and their management 8.5 Developmental defects and trauma 8.6 Acute & chronic pain management of orofacial region 8.7 Classification of headache (general clinical considerations)	<ul style="list-style-type: none"> <li>Demonstrate the understanding of orofacial pain, headaches and Temporomandibular disorders</li> </ul>





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### Year Two (02)

Year 02			
ID	Title	Topic	Learning Outcome At the end of the year 01 resident should be able to
OMP2-11	Oral Diagnosis & Evaluation of the Dental Patient	11.1 Medical history 11.2 Examination of the patient 11.3 Establishing the diagnosis 11.4 Medical referral (consultation) procedure 11.5 Formulating a plan of treatment and assessing medical risk	<ul style="list-style-type: none"> <li>• Demonstrate the skill of accurate medical history taking and clinical examination</li> <li>• Advise and justify the relevant investigations to develop a diagnosis</li> <li>• Formulate a safe treatment plan including referrals and informed consent</li> </ul>
OMP2-12	Pharmacology	12.1 Medications for salivary gland disorders 12.2 Medications for oro-facial pain 12.3 Antibiotic therapies for immuno-compromised patients 12.4 Antibiotic prophylaxis for infective endocarditis and prosthetic joints 12.5 Medications for oral lesions 12.6 Antiviral medications 12.7 Antifungal medications	<ul style="list-style-type: none"> <li>• Demonstrate the understanding of different medications, their uses, drug interactions and side effects.</li> <li>• Prescribe specific and safe medication according to the patient medical condition and oral disease.</li> </ul>
OMP2-13	Ulcerative, Vesicular, and Bullous Lesions	13.1 The patient with acute multiple lesions 13.2 The patient with recurring oral ulcers 13.3 The patient with chronic multiple lesions 13.4 The patient with single ulcers 13.5 Traumatic injuries causing solitary ulcerations	<ul style="list-style-type: none"> <li>• Demonstrate the understanding of different commonly occurring ulcerative, vesicular and bullous lesions</li> <li>• Formulate a safe treatment plan and referral to concerned speciality</li> </ul>
OMP2-14	Red and White Lesions of the	14.1 Red and white tissue reactions 14.2 Infectious diseases	<ul style="list-style-type: none"> <li>• Demonstrate the understanding and provide safe treatment of different Red and white lesions of the</li> </ul>





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Year 02			
ID	Title	Topic	Learning Outcome At the end of the year 01 resident should be able to
	Oral Mucosa	14.3 Premalignant lesions 14.4 Immuno-pathologic diseases 14.5 Allergic reactions 14.6 Toxic reactions 14.7 Reactions to mechanical trauma 14.8 Other red and white lesions	oral mucosa • Investigate accordingly and Formulate a safe treatment plan
OMP2-15	Pigmented lesions of the oral mucosa	15.1 Endogenous pigmentation 15.2 Focal melanocytic pigmentation 15.3 Multifocal/diffuse pigmentation 15.4 Melanosis associated with systemic or genetic disease 15.5 Idiopathic pigmentation 15.6 Treatment of mucocutaneous melanosis 15.7 Depigmentation 15.8 Haemoglobin and iron-associated 15.9 Exogenous pigmentation	• Demonstrate the understanding of different commonly occurring pigmented lesions of the oral mucosa and referred if needed • Differentiate, investigate the lesions and formulate a safe treatment plan and referred if required
OMP2-16	Benign & Malignant Lesions of the Oral Cavity	16.1 Variants of normal 16.2 Benign soft tissue lesions 16.3 Benign lesions of bone 16.4 Squamous cell carcinoma 16.5 Other head and neck cancers 16.6 Pre-treatment oral and dental assessment 16.7 Complications of cancer treatment 16.8 Management of pain in orofacial cancer	• Demonstrate the understanding of different commonly occurring benign and malignant lesions of the oral mucosa and referred if needed • Differentiate, investigate the lesions and formulate a safe treatment plan and referred if required



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Year 02			
ID	Title	Topic	Learning Outcome At the end of the year 01 resident should be able to
OMP2-17	Salivary Gland Diseases	17.1 Salivary gland anatomy and physiology 17.2 Diagnosis of the patient with salivary gland disease 17.3 Specific diseases and disorders of the salivary glands 17.4 Management of Xerostomia 17.5 Sialorrhea 17.6 Salivary gland tumours	<ul style="list-style-type: none"> <li>• Demonstrate the understanding of different commonly occurring Salivary Gland Diseases and referred if needed</li> <li>• Differentiate, investigate the lesions and formulate a safe treatment plan and referred if required</li> </ul>
OMP2-18	Orofacial Pain, Headache & Temporomandibular Disorders	18.1 Aetiology, epidemiology, and classification of TMDs 18.2 Assessment & physical examination 18.3 General principles of treating TMDs 18.4 Specific disorders and their management 18.5 Developmental defects and trauma 18.6 Acute & chronic pain management of orofacial region 18.7 Classification of headache (general clinical considerations)	<ul style="list-style-type: none"> <li>• Demonstrate the understanding of different commonly occurring Orofacial Pain, Headache &amp; Temporomandibular Disorders</li> <li>• Differentiate, investigate the lesions and formulate a safe treatment plan and referred if required</li> </ul>
OMP2-19	Systemic Diseases & their Oral Manifestation	19.1 Diseases of the upper and lower respiratory tract 19.2 Diseases of the cardiovascular system 19.3 Diseases of the gastrointestinal tract 19.4 Renal disease 19.5 Hematologic diseases 19.6 Bleeding and clotting disorders 19.7 Immunologic diseases 19.8 Transplantation medicine	<ul style="list-style-type: none"> <li>• Demonstrate the understanding of different commonly occurring Systemic Diseases &amp; their Oral Manifestation</li> <li>• Differentiate, investigate the lesions and formulate a safe treatment plan and referred if required</li> </ul>



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Year 02			
ID	Title	Topic	Learning Outcome At the end of the year 01 resident should be able to
		19.9 Infectious diseases 19.10 Diabetes mellitus and endocrine diseases 19.11 Neuromuscular diseases	
OMP2-110	Basic Principles of Human Genetics: A Primer for Oral Medicine	110.1 Basic human genetic principles 110.2 Mutation and genetic heterogeneity 110.3 Genetic diseases and disorders 110.4 Prospectus: human genetics and oral medicine	<ul style="list-style-type: none"><li>Demonstrate the understanding of Basic principles of human genetics</li></ul>

### Record of Clinical Cases

The trainees will be required to keep a record of the allocated clinical work in a log book. It will be the responsibility of trainee to keep the log book up to date with the signature of the faculty certifying the work.

### Research

The resident would be required to undertake a research project and to present the result for examination in the form of a thesis. They would be encouraged to present and publish the result of the project in refereed journals.

Rule and regulation regarding the research mandatory for MDS is available on university website

<http://www.szabmu.edu.pk/downloads#thesis>

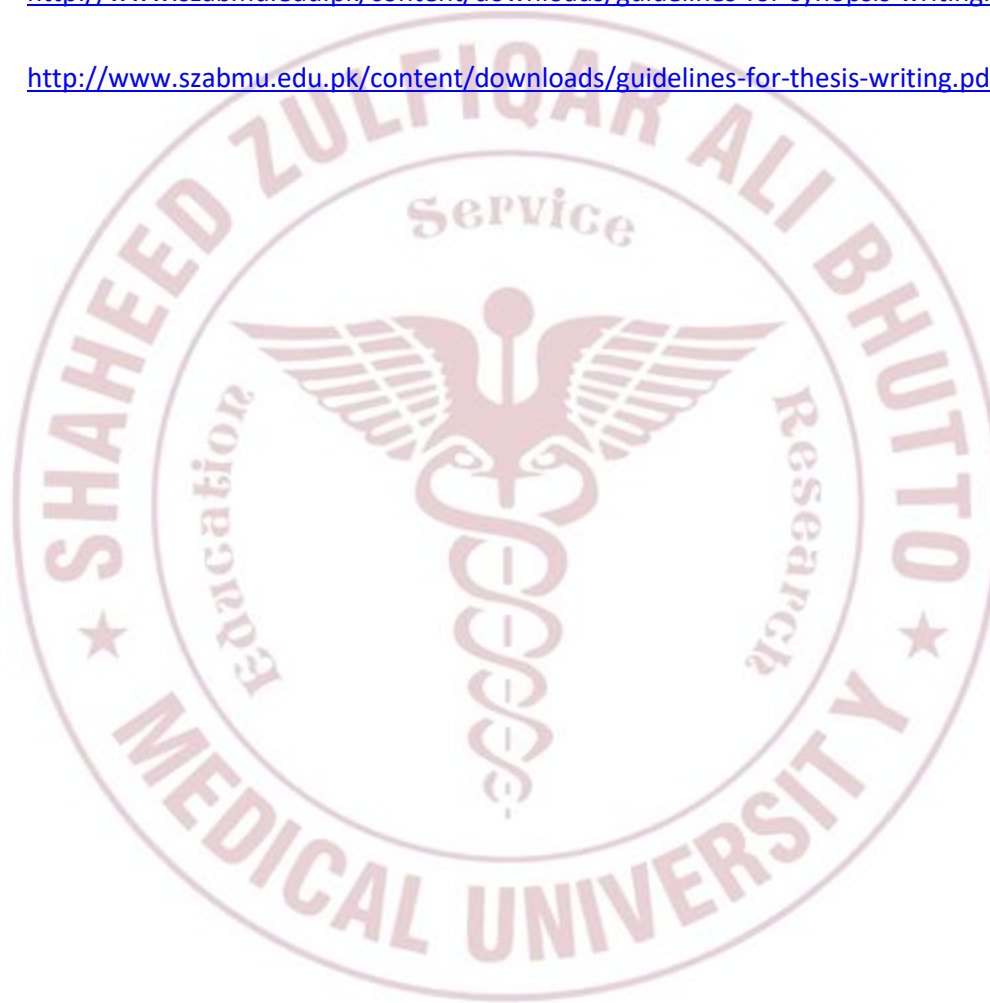


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The guideline for synopsis and thesis writing is available on University website at

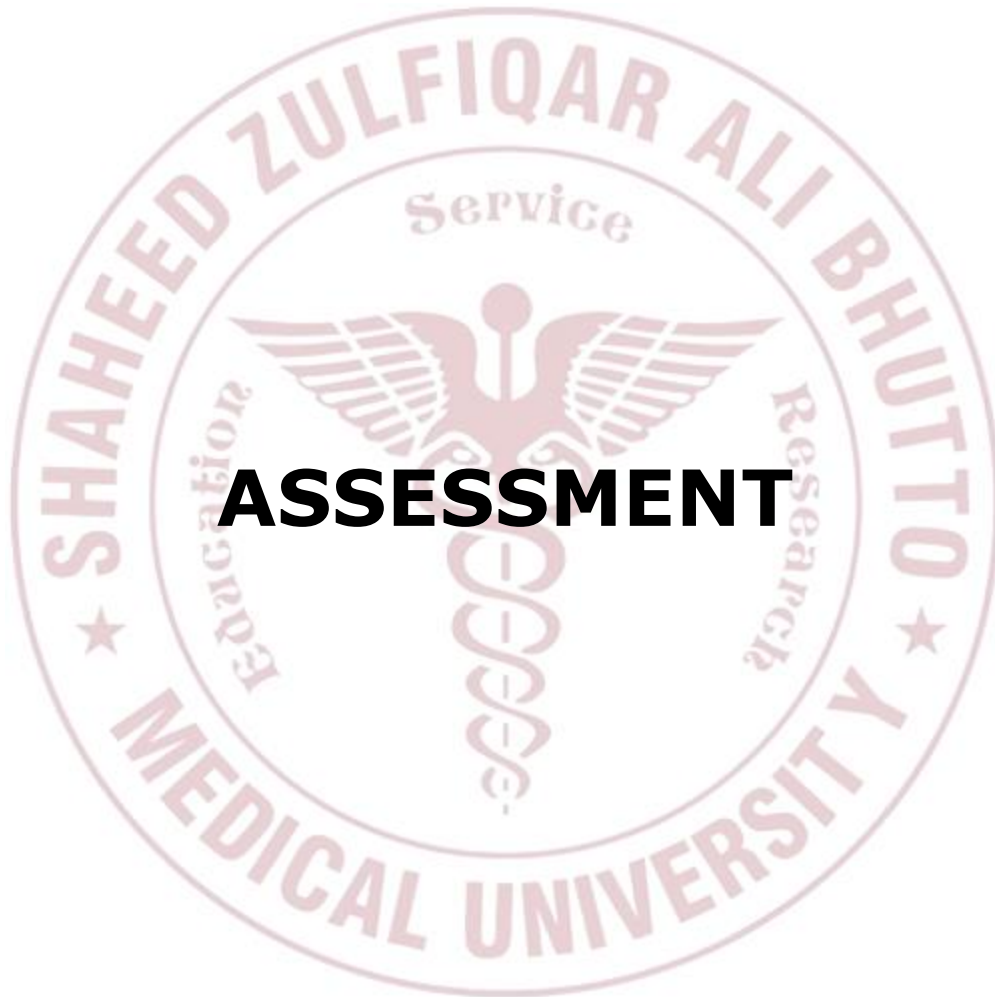
<http://www.szabmu.edu.pk/content/downloads/guidelines-for-synopsis-writing.pdf>

<http://www.szabmu.edu.pk/content/downloads/guidelines-for-thesis-writing.pdf>





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## ASSESSMENT

Assessment of trainees will cover the cognitive, psychomotor and affective domains. It will take two forms

- Formative Assessment
- Summative Assessment

### Formative Assessment

It is the continuous assessment of progress and competence. It will be conducted through workplace based assessment throughout the training. Assessment will be undertaken by a range of assessors and will cover a range of procedures appropriate to the stage of training. Formative assessment will include

- Directly observed practical skills (DOPS)
- Case based discussion (CbD)
- Mini clinical examination exercises (Mini-CEX)
- Multiple source feedback (MSF)

### Summative Assessment

Summative assessment will be conducted by the university in the following manner

#### Part-I Examination

At the end of Year 01

#### Part-II (Final or Exit) Examination

At the end of year 02

The level of performance required for passing the exam will depend on the knowledge and skills necessary for acceptable performance and will not be

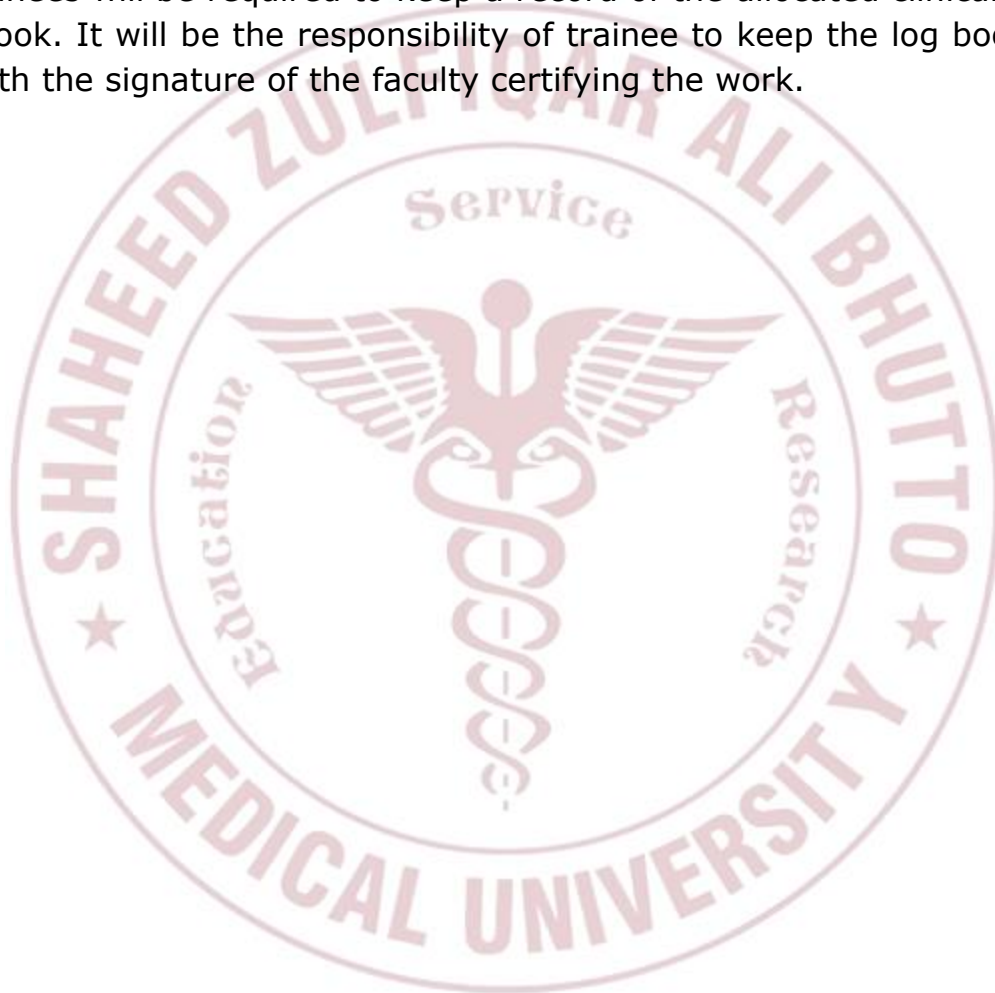


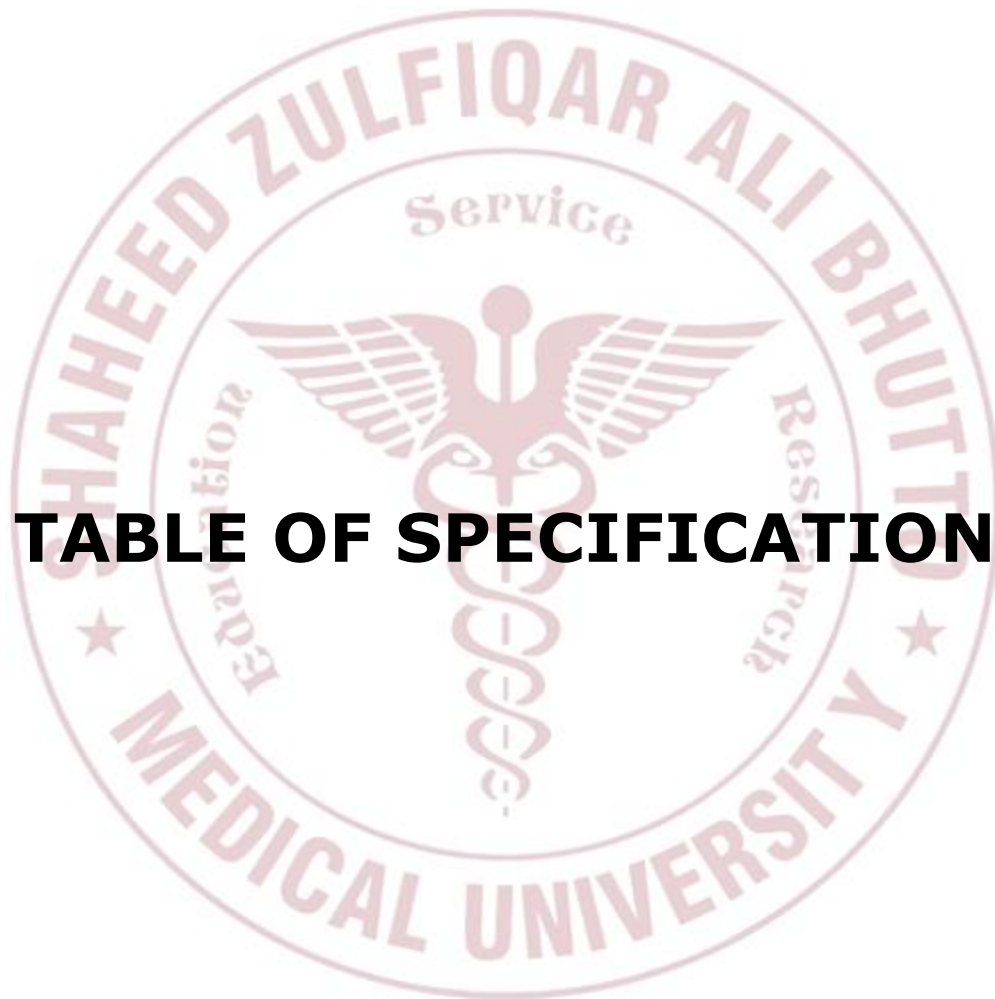
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adjusted to regulate the number or proportion of persons passing the examination. The pass point will be determined by careful analysis and judgment of acceptable performance.

### RECORD OF CLINICAL CASES

The trainees will be required to keep a record of the allocated clinical work in a log book. It will be the responsibility of trainee to keep the log book up to date with the signature of the faculty certifying the work.





# **TABLE OF SPECIFICATION**



## **TABLE OF SPECIFICATION**

Table of specification for part 01 and part 02 (Exist) Examination is here as under

### **TOS FOR PART-01 EXAMINATION**

There will be theory papers and OSCE Examination

#### **Theory Examination (100 Marks)**

<b>Paper (MCQs)</b>	100 Marks	Specialty Courses (Annexure A)
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#### **Practical Examination (100 Marks)**

Practical / OSCE	100 Marks	Specialty Courses (10 Stations)
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<b>Total</b>	<b>200 Marks</b>
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**PART-01 THEORY PAPER EXAMINATION**

TOS ID	Title	Topics	MCQS	Weightage
<b>OMP1-01</b>	Introduction to Research	1.6 Basic Epidemiology terms 1.7 Epidemiological Study Designs 1.8 Basic Biostatistics 1.9 Write a research proposal 1.10 Critical Appraisal	<b>10</b>	<b>10%</b>
<b>OMP1-02</b>	Oral Diagnosis & Evaluation of the Dental Patient	2.7 Medical history 2.8 Examination of the patient and establishing the diagnosis 2.9 Oral Radiology 2.10 Consent 2.11 Medical referral (consultation) procedure 2.12 Formulating a plan of treatment and assessing medical risk	<b>10</b>	<b>10%</b>
<b>OMP1-03</b>	Pharmacology	3.6 Medications for orofacial pain 3.7 Antibiotic therapies for immuno-compromised patients 3.8 Antibiotic prophylaxis for infective endocarditis and prosthetic joints 3.9 Medications for white lesions 3.10 Antiviral medications	<b>10</b>	<b>10%</b>
<b>OMP1-04</b>	Ulcerative, Vesicular, and Bullous Lesions	4.6 The patient with acute multiple lesions 4.7 The patient with recurring oral ulcers 4.8 The patient with chronic multiple lesions 4.9 The patient with single ulcers 4.10 Traumatic injuries causing solitary ulcerations	<b>15</b>	<b>15%</b>
<b>OMP1-05</b>	Red and White Lesions of the Oral Mucosa	5.7 Red and white tissue reactions 5.8 Premalignant lesions 5.9 Immuno-pathologic diseases 5.10 Allergic reactions 5.11 Toxic reactions 5.12 Reactions to mechanical trauma 5.13 Other red and white lesions	<b>15</b>	<b>15%</b>





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TOS ID	Title	Topics	MCQS	Weightage
<b>OMP1-06</b>	Pigmented lesions of the oral mucosa	6.7 Endogenous pigmentation 6.8 Focal melanocytic pigmentation 6.9 Multifocal/diffuse pigmentation 6.10 Melanosis associated with systemic or genetic disease 6.11 Idiopathic pigmentation 6.12 Hemoglobin and iron-associated exogenous pigmentation	<b>15</b>	<b>15%</b>
<b>OMP1-07</b>	Benign & Malignant Lesions of the Oral Cavity	7.6 Squamous cell carcinoma 7.7 Other head and neck cancers 7.8 Pretreatment oral and dental assessment 7.9 Complications of cancer treatment 7.10 Management of pain in orofacial cancer	<b>10</b>	<b>10%</b>
<b>OMP1-08</b>	Orofacial Pain, Headache & Temporomandibular Disorders	8.8 Etiology, epidemiology, and classification of TMDs 8.9 Assessment & physical examination 8.10 General principles of treating TMDs 8.11 Specific disorders and their management 8.12 Developmental defects and trauma 8.13 Acute & chronic pain management of orofacial region 8.14 Classification of headache (general clinical considerations)	<b>15</b>	<b>15%</b>
<b>Total</b>			<b>100</b>	<b>100%</b>

### PART-I PRACTICAL EXAMINATION

TOS ID	Title	OSCE
OMP1-01	Introduction to Research	<b>01</b>
OMP1-02	Oral Diagnosis & Evaluation of the Dental Patient	<b>01</b>
OMP1-03	Pharmacology	<b>01</b>
OMP1-04	Ulcerative, Vesicular, and Bullous Lesions	<b>02</b>



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TOS ID	Title	OSCE
OMP1-05	Red and White Lesions of the Oral Mucosa	02
OMP1-06	Pigmented lesions of the oral mucosa	01
OMP1-07	Benign & Malignant Lesions of the Oral Cavity	01
OMP1-08	Orofacial Pain, Headache & Temporomandibular Disorders	01
Total		10





## **TOS FOR PART-02 (Exist/Final) EXAMINATION**

Final examination will be held after completion of 2 years. The student shall submit completion of training certificate, Log Book, mandatory workshop attendance, thesis on research topic approved by supervisor, through the Dean to the Controller of Examination. If the thesis not approved by the supervisor, application for extension may be recommended by supervisor through Registrar to the AS&RB. The final examination of major subject, thesis evaluation and viva voce examination will be conducted by board of 4 examiners in major subjects. The candidate will be examined in major subject and thesis as under: supervisor will not be paper setter /Examiner of his/her candidate as per PMDC regulation 2001.

<b>Theory Paper</b>		<b>200 Marks</b>
Paper A	Theory paper of MCQs	100 Marks
Paper B	Theory paper of SEQs/SAQs	100 Marks
<b>Viva Voce/Practical and Thesis Defence</b>		<b>200 Marks</b>
Viva Voce		60 Marks
Practical and OSCE/OSPE		140 Marks
a.	Long Case (One)	(30 Marks)
b.	Short Case (Four)	(40 Marks)
c.	OSCE	(70 Marks)
<b>Thesis Defence</b>		<b>100 Marks</b>
<b>TOTAL</b>		<b>500 Marks</b>



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## PART-02 (Exist/Final) THEORY PAPER EXAMINATION

TOS Code	Title	Topic	Weightage	MCQS	SEQ
OMP2-11	Oral Diagnosis & Evaluation of the Dental Patient	11.6 Medical history 11.7 Examination of the patient 11.8 Establishing the diagnosis 11.9 Medical referral (consultation) procedure 11.10 Formulating a plan of treatment and assessing medical risk	12%	12	02
OMP2-12	Pharmacology	12.8 Medications for salivary gland disorders 12.9 Medications for orofacial pain 12.10 Antibiotic therapies for immuno-compromised patients 12.11 Antibiotic prophylaxis for infective endocarditis and prosthetic joints 12.12 Medications for oral lesions 12.13 Antiviral medications 12.14 Antifungal medications	05%	05	01
OMP2-13	Ulcerative, Vesicular, and Bullous Lesions	13.6 The patient with acute multiple lesions 13.7 The patient with recurring oral ulcers 13.8 The patient with chronic multiple lesions 13.9 The patient with single ulcers 13.10 Traumatic injuries causing solitary ulcerations	15%	15	03
OMP2-14	Red and White Lesions of the Oral Mucosa	14.9 Red and white tissue reactions 14.10 Infectious diseases 14.11 Premalignant lesions 14.12 Immunopathologic diseases 14.13 Allergic reactions 14.14 Toxic reactions 14.15 Reactions to mechanical trauma 14.16 Other red and white lesions	15%	15	03
OMP2-15	Pigmented lesions of the oral mucosa	15.10 Endogenous pigmentation 15.11 Focal melanocytic pigmentation 15.12 Multifocal/diffuse pigmentation 15.13 Melanosis associated with systemic or genetic disease	5%	05	01





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TOS Code	Title	Topic	Weightage	MCQS	SEQ
		15.14 Idiopathic pigmentation 15.15 Treatment of mucocutaneous melanosis 15.16 Depigmentation 15.17 Hemoglobin and iron-associated 15.18 Exogenous pigmentation			
OMP2-16	Benign & Malignant Lesions of the Oral Cavity	16.9 Variants of normal 16.10 Benign soft tissue lesions 16.11 Benign lesions of bone 16.12 Squamous cell carcinoma 16.13 Other head and neck cancers 16.14 Pretreatment oral and dental assessment 16.15 Complications of cancer treatment 16.16 Management of pain in orofacial cancer	<b>10%</b>	<b>10</b>	<b>02</b>
OMP2-17	Salivary Gland Diseases	17.7 Salivary gland anatomy and physiology 17.8 Diagnosis of the patient with salivary gland disease 17.9 Specific diseases and disorders of the salivary glands 17.10 Management of xerostomia 17.11 Sialorrhea 17.12 Salivary gland tumors	<b>08%</b>	<b>08</b>	<b>02</b>
OMP2-18	Orofacial Pain, Headache & Temporomandibular Disorders	18.8 Etiology, epidemiology, and classification of TMDs 18.9 Assessment & physical examination 18.10 General principles of treating TMDs 18.11 Specific disorders and their management 18.12 Developmental defects and trauma 18.13 Acute & chronic pain management of orofacial region 18.14 Classification of headache (general clinical considerations)	<b>15%</b>	<b>15</b>	<b>03</b>





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TOS Code	Title	Topic	Weightage	MCQS	SEQ
OMP2-19	Systemic Diseases & their Oral Manifestation	19.12 Diseases of the upper and lower respiratory tract 19.13 Diseases of the cardiovascular system 19.14 Diseases of the gastrointestinal tract 19.15 Renal disease 19.16 Hematologic diseases 19.17 Bleeding and clotting disorders 19.18 Immunologic diseases 19.19 Transplantation medicine 19.20 Infectious diseases 19.21 Diabetes mellitus and endocrine diseases 19.22 Neuromuscular diseases	<b>12%</b>	<b>12</b>	<b>03</b>
OMP2-110	Basic Principles of Human Genetics: A Primer for Oral Medicine	110.5 Basic human genetic principles 110.6 Mutation and genetic heterogeneity 110.7 Genetic diseases and disorders 110.8 Prospectus: human genetics and oral medicine	<b>03%</b>	<b>03</b>	<b>00</b>
<b>Total</b>			<b>100%</b>	<b>100</b>	<b>20</b>

### PART-02 (Exist/Final) PRACTICAL EXAMINATION

TOS ID	Title	OSCE
OMP2-11	Oral Diagnosis & Evaluation of the Dental Patient	<b>01</b>
OMP2-12	Pharmacology	<b>01</b>
OMP2-13	Ulcerative, Vesicular, and Bullous Lesions	<b>01</b>
OMP2-14	Red and White Lesions of the Oral Mucosa	<b>01</b>
OMP2-15	Pigmented lesions of the oral mucosa	<b>01</b>
OMP2-16	Benign & Malignant Lesions of the Oral Cavity	<b>02</b>
OMP2-17	Salivary Gland Diseases	<b>01</b>



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TOS ID	Title	OSCE
OMP2-18	Orofacial Pain, Headache & Temporomandibular Disorders	01
OMP2-19	Systemic Diseases & their Oral Manifestation	01
Total		10





**LEARNING RESOURCES**



## **LEARNING RESOURCES**

### **List of Essential Readings**

#### **BOOKS:**

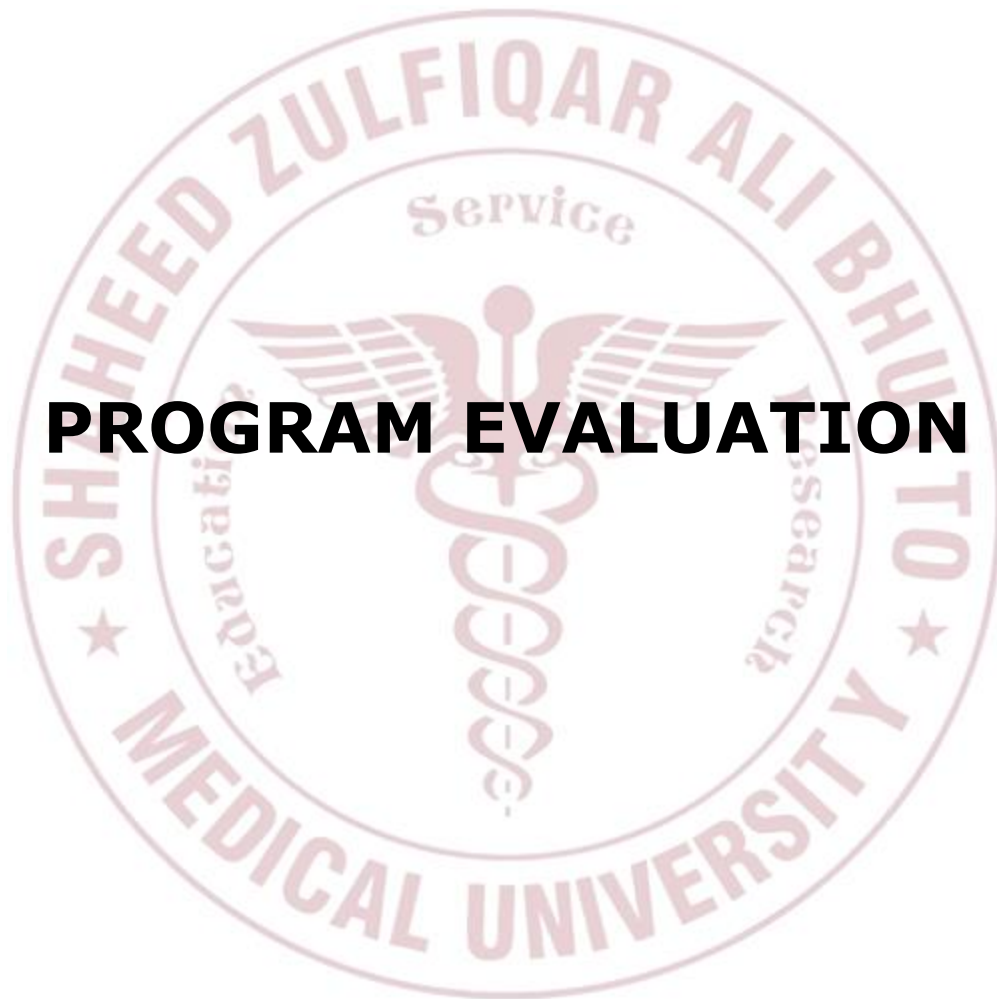
Latest Editions of the following books

- 1.** Burket's Oral Medicine by Michael Glick
- 2.** Oral and Maxillofacial Medicine by Crispian Scully
- 3.** Cawson's Essentials of Oral pathology and oral medicine by R.A.Cawson
- 4.** Tyldesley's Oral Medicine by William.R.Tyldesley

#### **JOURNALS:**

Journals of last two years will be included

- 1.** Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology
- 2.** Pakistan Oral & Dental Journal (Oral Medicine Section)



# **PROGRAM EVALUATION**



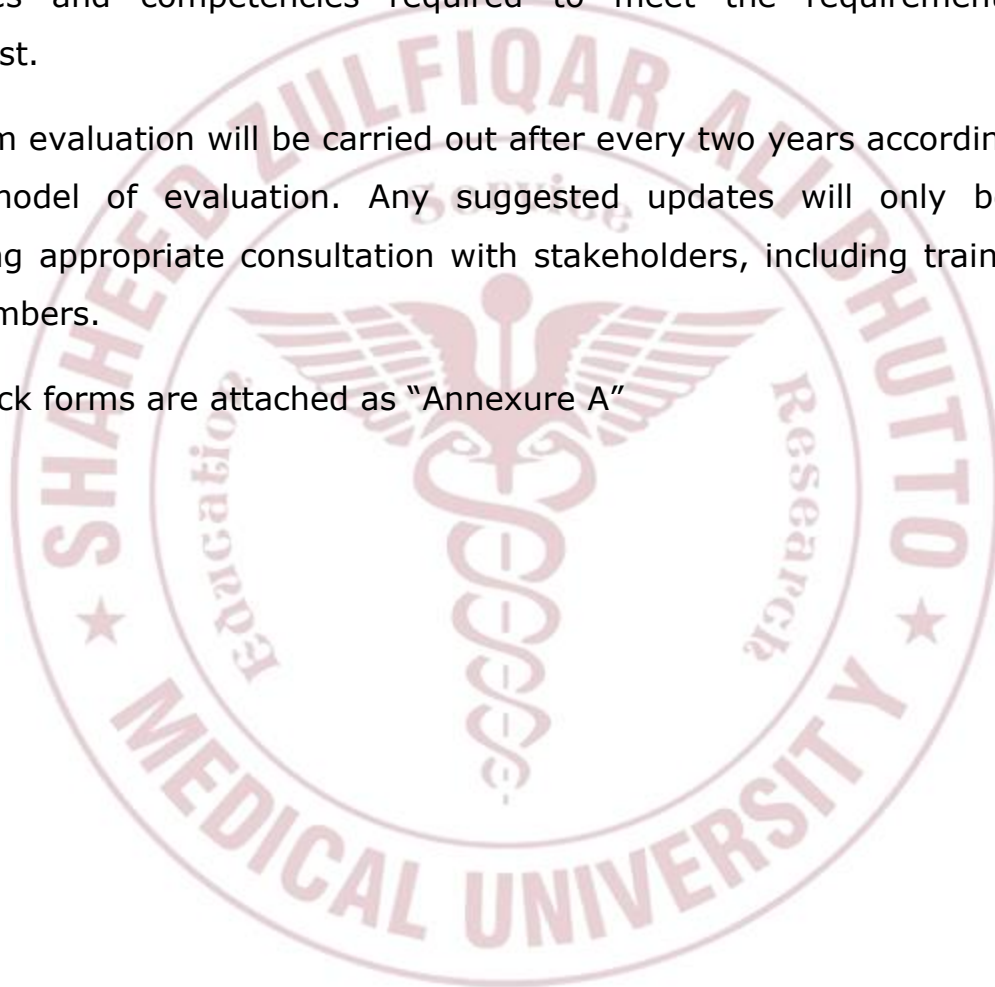


## **PROGRAM EVALUATION**

The program director will continue to ensure that the program is fit for purpose in that it provides the trainee with the appropriate knowledge, skills, attitudes and competencies required to meet the requirements of a specialist.

Program evaluation will be carried out after every two years according to the CIPP model of evaluation. Any suggested updates will only be made following appropriate consultation with stakeholders, including trainees and lay members.

Feedback forms are attached as "Annexure A"





# SHAHEED ZULFIQAR ALI BHUTTO MEDICAL UNIVERSITY

## ANNEXURE A

### Supervisor Evaluation Form

Date: \_\_\_\_\_ Supervisor's Name: \_\_\_\_\_

Your Name: \_\_\_\_\_ Signature: \_\_\_\_\_

Evaluations of supervisors by Trainee's are an important process for providing supervisors with an assessment of the quality of their work. Annual supervisor assessments can be used to compliment a supervisor for doing a good job. Annual assessments can also identify areas for improvement. Evaluations can strengthen communications between supervisors and trainee's.

Trainees have three options for evaluating supervisors:

- 1) Completing the Evaluation of Supervisor form.
- 2) Writing a signed memo evaluating the supervisor.
- 3) Meeting with the supervisor's department head.

Evaluations received by the deadline (January 15) will be incorporated into the annual review of the supervisor. Forms and/or signed memos should be sent to the Human Resources department.

\* \* \*

(E=Excellent, G=Good, S=Satisfactory, N=Needs Work, U=Unsatisfactory, Ø=No Opinion)

### Performs Supervisory Functions

Provides on-going positive and negative feedback	E	G	S	N	U	Ø
Makes expectations known	E	G	S	N	U	Ø
Is tactful and considerate	E	G	S	N	U	Ø
Promotes teamwork and good working relationships	E	G	S	N	U	Ø
Recognizes and addresses concerns in a timely manner	E	G	S	N	U	Ø
Delegates authority appropriately	E	G	S	N	U	Ø
Provides training of new employees	E	G	S	N	U	Ø
Provides direction of work	E	G	S	N	U	Ø
Communicates openly and honestly with peers, staff and administration	E	G	S	N	U	Ø



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Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Develops Innovative Procedures

Is receptive to new ideas	E	G	S	N	U	Ø
Is receptive to questions	E	G	S	N	U	Ø
Encourages initiative and innovation	E	G	S	N	U	Ø

Comment: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## III. Maintains Positive Work Environment

Recognizes contributions	E	G	S	N	U	Ø
Motivates workers	E	G	S	N	U	Ø
Provides relaxed yet efficient work atmosphere	E	G	S	N	U	Ø
Encourages staff development	E	G	S	N	U	Ø

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



# SHAHEED ZULFIQAR ALI BHUTTO MEDICAL UNIVERSITY

## Knows the Operations of the Department

Understands employee workload	E	G	S	N	U	Ø
Is alert to potential problems	E	G	S	N	U	Ø
Keeps staff informed about department and university developments	E	G	S	N	U	Ø

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Work Habits

Acknowledges own limitations and mistakes	E	G	S	N	U	Ø
Maintains a positive work attitude	E	G	S	N	U	Ø
Uses time efficiently and effectively	E	G	S	N	U	Ø
Demonstrates a good work ethic	E	G	S	N	U	Ø

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

*Please use the bottom and back of this sheet as space for expanding on any comments above or to make any additional comments.*



# SHAHEED ZULFIQAR ALI BHUTTO MEDICAL UNIVERSITY

## Program Evaluation Form

Please use the following scale to indicate your response to the statements below:

**SA** = strongly agree

**A** = agree

**N** = neither agree/disagree

**D** = disagree

**SD** = strongly disagree

The information was presented effectively	SA	A	N	D	SD
The information presented was practical	SA	A	N	D	SD
The program provided a good working knowledge of the subject matter presented	SA	A	N	D	SD
The program has allowed me to acquire practical skills and knowledge to manage my business more effectively and efficiently	SA	A	N	D	SD
The program attended was sufficient for my purpose	SA	A	N	D	SD