**Program Specification**

1. **Basic Information:**

|  |  |
| --- | --- |
| Program Title | Master of Oral Medicine, Periodontology & Oral Diagnosis |
| Program Type | Single |
| Discipline/s offering the program | Oral Medicine, Periodontology and Oral diagnosis |
| Disciplines sharing in the program | Oral Biology, Oral Pathology, General Medicine, Pharmacology, Human Physiology, Microbiology and Immunology |
| Program Duration | Two Years |
| Total No. of Credit hours | 80 |
| Total Teaching hours | 240 |
| Coordinator: | Prof. Hoda Elguindy |
| Internal evaluator | Prof. Hala Elmenoufy |
| External evaluator(s): | Prof. Naglaa Shawky |
| Date of Program specification approval |  |

1. **Professional Information:**

**1-Attributes of the Program Graduate:**

*By the end of the master’s program, the program graduate will be able to:*

1. Effectively apply principles of scientific research in the field of Oral Medicine and Periodontics
2. Apply critical and analytical thinking approaches in the issues relevant to oral medicine and periodontology
3. Recall the specific knowledge related to oral medicine and periodontics
4. Identify challenging professional problems in the field of oral medicine and periodontics
5. Suggest solutions for the problems in the field of oral medicine and periodontics
6. Master wide variety of different diagnostic and treatment procedures related to oral medicine and periodontology problems and use recent devices and materials in treatment
7. Recognizing principles of communication skills and team leading
8. Develop diagnosis and Design treatment plan regarding different periodontal and mucosal problems and diseases
9. Make use of available resources in research and practice
10. Plan accepted high quality treatment services to the community and high standard research studies solving common oral health problems
11. Show authenticity and integrity in applying the basics of oral medicine and periodontology
12. Construct commitment for self-development and life-long learning

**2- Overall Program Aims**:

1. To acquire an ethically correct professional behaviour
2. To get knowledge~~able~~ about basic biological sciences, as well as periodontics and implantology at a specialized level
3. To develop a multidisciplinary “patient-centered” treatment plan
4. To carry out all periodontal non-surgical and surgical techniques
5. To plan an implant-based treatment for patients suffering from the consequences of periodontal diseases
6. To carry out correct implant positioning
7. To plan and monitor a maintenance therapy on a case-by-case basis
8. To get fully knowledgeable data about the relevant literature and be capable of discussing it critically
9. To develop and lead research projects.
10. To acquire teaching skills by presenting and discussing one’s own clinical cases as well as by organizing workshops dealing with one single topic

**3- Intended Learning Outcomes (ILOS):**

**A- Knowledge and Understandind:**

*By the end of the master’s program, the postgraduate student will be able to:*

1. Recognize the basic biomedical sciences relevant to oral medicine and periodontology.
2. describe different intraoral mucosal lesions and their extraoral manifestations.
3. State systemic diseases of dental importance and describe their dental management.
4. Select different treatment modalities for common intraoral mucosal lesions.
5. Recall the concept of quality control in clinical practice
6. classify different periodontal conditions and diseases.
7. list different etiologic factors for periodontal diseases and their pathogenic processes.
8. Label different treatment modalities for periodontal diseases.
9. Identify the effect of the occupation on health and the environmental impact on dental profession
10. Discuss the different periodontal treatment modalities available in the scientific literature to update their knowledge base.
11. Identify research ethical issues as set by the faculty regulation
12. describe patients’ confidentiality and autonomy

**B- Intellectual Skills:**

*By the end of the program, the postgraduate student will be able to:*

1. Differentiate between keratotic and non-keratotic lesions as well as various ulcerative lesions.
2. Assess oral pigmented lesions aiming to diagnose them based on their origin and appearance.
3. Distinguish signs and symptoms of systemic diseases that may modify dental treatment.
4. Discriminate between variable periodontal diseases and conditions.
5. Connect the relationship between periodontal diseases and systemic modifying factors
6. Construct a treatment plan for patients with periodontal diseases
7. Integrate the current concepts of other dental disciplines into periodontics
8. Appraise recent techniques in periodontal therapy
9. Propose a research on selected topic within the frame on the faculty research plan
10. Predict patients at risk for periodontal diseases and oral mucosal lesions.

**C- Professional and Practical Skills:**

*By the end of the program, the postgraduate student will be able to:*

1. Categorize different intraoral mucosal lesions and periodontal diseases based on collected data.
2. Solve clinical problems encountered in periodontics and oral medicine
3. Decide any needed laboratory investigations when indicated.
4. Organize a referral letter for another specialty when indicated.
5. Model therapeutic treatment to patients with oral diseases as well as patient education
6. Perform non-surgical therapy efficiently pertaining to oral hygiene or plaque control.
7. Formulate a prognosis based on overall and site related factors
8. Value cases fully by means of clinical, radiographic, and modeled records.
9. Develop a comprehensive treatment plan
10. Evaluate data from reports of other medical and dental colleagues

**D- General and Transerable Skills:**

*By the end of the program, the postgraduate student will be able to:*

1. Communicate effectively with patients to explain their periodontal health status and treatment needs
2. Manipulate effectively with dental and other health care professionals
3. Make use of information technology to find the best evidence
4. Evaluate the progress in the specialty according to identified criteria
5. Discriminate research findings including those in contradiction and agreement
6. Evaluate performance of other colleagues in a professional manner
7. work as a member as well as a leader in a multidisciplinary team
8. perform delegated tasks in time
9. Maximize life-long learning

**4- Academic Reference Standards:**

Academic Reference Standards (ARS) by NAQAAE[[1]](#footnote-1)

**5- Benchmarks:**

British Benchmarks of Oral Medicine & Periodontics[[2]](#footnote-2)

**6- Program Structure and Contents:**

**A- Duration of the Program:** 2 years with 80 credit hours

**B- Curriculum of the Program:**

| **Credit hrs/week** | **Courses** | **Semester** | **Year** |
| --- | --- | --- | --- |
| **17 credit hours** | **Obligatory Courses** | **First Semester** | **Year I** |
| **6 credit hours** | **University Requirement Courses (obligatory)** |
| **14 credit hours** | **Obligatory Courses** | **Second Semester** |
| **4 credit hours** | **Elective Courses** |
| **12 credit hours** | **Obligatory Courses** | **First Semester** | **Year II** |
| **12 credit hours** | **Obligatory Courses** | **Second Semester** |
| **15 credit hours** | **Thesis dissertation research work** | |
| **80 credit hours** | **Total credit hours** | | |

**C- Levels of the Program (Credit Hour System)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Year/Semester** | **Credit Hour** | | |  |
| **Obligatory** | **University Requirements (Obligatory)** | **Electives** | **Thesis** |
| **Year 1/Semester 1** | **17** | **4** | **1** |  |
| **Year 1/Semester 2** | **14** | **2** | **3** |  |
| **Year 2/Semester 1** | **12** |  |  | **15** |
| **Year 2/Semester 2** | **12** |  |  |
| **Total = 80** | **55** | **6** | **4** | **15** |

**University Requirements**

**Six (6) credit hours are obligatory.**

| **Total**  **Credit Hours** | **Course title** | **Code** |
| --- | --- | --- |
| **2** | ***Computer applications and biostatistics in specialty*** | **COMP 611** |
| **2** | ***Advanced English language or TOEFL*** | **ENGL 601** |
| **2** | ***Scientific writing and research methodologies*** | **SWRMD 601** |

**Obligatory courses**

**Year 1, Semester: 1**

| **Weekly Teaching hours** | | | **Course title** | **Code** |
| --- | --- | --- | --- | --- |
| **Total**  **Credit Hours** | **Contact Hours** | |
| **Practical** | **Lecture** |
| **3** | **2** | **2** | ***Oral Biology and embryology I*** | **OBIOL 701** |
| **3** | **2** | **2** | ***Oral and Maxillo-facial Pathology I*** | **OPATH 701** |
| **3** | **2** | **2** | ***Oral & Maxillofacial Radiology I*** | **ORAD 701** |
| **2** | **2** | **1** | ***General Medicine Dermatology*** | **GMED 701** |
| **3** | **2** | **2** | ***Pharmacology*** | **PHARM 701** |
| **3** | **2** | **2** | ***Human Physiology*** | **HPHYSG 701** |
| **17** |  |  | **Total** | |

**Year 1, Semester: 2**

| **Weekly teaching hours**  **الساعات التدريسية الأسبوعية** | | | **Course title** | **Code** |
| --- | --- | --- | --- | --- |
| **Total**  **Credit Hours** | **Contact Hours** | |
| **Practical** | **Lecture** |
| **3** | **2** | **2** | ***Oral Biology and embryology* II** | **OBIOL 702** |
| **3** | **2** | **2** | ***Oral and maxillofacial Pathology II*** | **OPATH 702** |
| **3** | **2** | **2** | ***Basics and application microscope*** | **EM 702** |
| **2** | **2** | **1** | ***Laser applications in dentistry*** | **ALASD 702** |
| **3** | **2** | **2** | ***Microbiology and Immunology*** | **MICIM 702** |
| **14** |  |  | **Total** | |

**Year 2, Semester: 1**

| **Assignment**  **10%** | **Weekly teaching hours** | | | **Course title** | **Code** | |
| --- | --- | --- | --- | --- | --- | --- |
| **Total**  **Credit Hours** | **Contact Hours** | |
| **Practical** | **Lecture** |
| **15** | **3** | **2** | **2** | ***Advanced oral medicine I*** | **OMED 801** | |
| **15** | **3** | **2** | **2** | ***Advanced periodontology I*** | **PERIO 801** | |
| **15** | **3** | **2** | **2** | ***Advanced clinical oral diagnosis I*** | **DIAG 801** | |
| **10** | **2** | **0** | **2** | ***Genetics*** | **GENET 801** | |
| **5** | **1** | **0** | **1** | ***Esthetic in dental practice*** | **RPROTH 831** | |
| **12** | **Total** | | | | |

**Year 2, Semester: 2**

| **Assignment 10%** | | **Weekly teaching hours** | | | **Course title** | **Code** |
| --- | --- | --- | --- | --- | --- | --- |
| **Total**  **Credit Hours** | **Contact Hours** | |
| **Practical** | **Lecture** |
| **15** | | **3** | **2** | **2** | ***Advanced oral medicine II*** | **OMED 802** |
| **15** | | **3** | **2** | **2** | ***Advanced periodontology II*** | **PERIO 802** |
| **15** | | **3** | **2** | **2** | ***Advanced clinical oral diagnosis II*** | **DIAG 802** |
| **15** | | **3** | **2** | **2** | ***Peri-Implant soft tissue manegment*** | **PERIO 812** |
| **12** | **Total** | | | | | | |

**D- Program Courses:**

**a- Obligatory:**

**b- Elective:**

| **Weekly teaching hours** | | | **Course title** | **Code** |
| --- | --- | --- | --- | --- |
| **Total**  **Credit Hours** | **Contact Hours** | |
| **Practical** | **Lecture** |
| **1** | **0** | **1** | ***Infection control*** | **INFC**  **7EL** |
| **1** | **0** | **1** | ***Dental Ethics*** | **DETH**  **7EL** |
| **1** | **0** | **1** | ***Principles of Evidence-based dentistry*** | **EVBD**  **7EL** |
| **1** | **0** | **1** | ***Experimental Animals (Laboratory)*** | **EXPAN**  **7EL** |
| **1** | **0** | **1** | ***Quality Assurance*** | **QUA**  **7EL** |
| **1** | **0** | **1** | ***Basic Diagnosis by Nuclear Radiation*** | **DIAGNR**  **7EL** |
| **1** | **0** | **1** | ***Tissue Engineering in Dental and Para dental tissues*** | **TEND**  **7EL** |
| **1** | **0** | **1** | ***Genetic Engineering*** | **GENE**  **7EL** |
| **1** | **2** | **0** | ***Dental Laboratory Technology*** | **DALBT 7EL** |
| **1** | **0** | **1** | ***Introduction to hospital management*** | **HOSPM**  **7EL** |
| **1** | **0** | **1** | ***Nutrition and oral health*** | **NUTOR**  **7EL** |
| **1** | **0** | **1** | ***Gene Technology*** | **GENTC**  **7EL** |
| **1** | **0** | **1** | ***Nantechnology*** | **NANTC**  **7EL** |
| **1** | **0** | **1** | ***Communication Skills*** | **COMS**  **7EL** |
| **1** | **0** | **1** | ***Information Technology*** | **INFTEC**  **7EL** |

**7- Course Contents:**

Refer to Course Specification Appendix

**8- Teaching Schedule:**

Refer to Course Specification Appendix

**9- Program Admission Requirements:**

For a student to register for a master’s degree, the following is required:

1. Obtaining a bachelor's degree with a general grade of at least good and a grade of very good at least in the major from an Egyptian university or its equivalent from the Supreme Council of Egyptian Universities.
2. In the case of studying a bachelor’s degree in the credit hour system, the applicant must have a cumulative average of no less than (2) equivalent to (C) and a number of points in the speciality for the credit hour not less than (2) equivalent to (C).
3. For international students who do not meet the previous conditions, the College's Postgraduate Studies Committee can determine what the student needs to study to complete the requirements.
4. He must have spent a year of internship. For expatriates, a training certificate from a government hospital or one of the approved medical centers certified by the embassy to which the applicant belongs.
5. That the student devote himself to studying.
6. Approval of the concerned department council after being presented to it, and the registration is considered valid from the date of approval of the faculty council on the department’s nomination.
7. It is required that the student is not enrolled in any of the postgraduate degrees in any other university.
8. To submit a certificate of proficiency in the English language (Toefl certificate of at least 550 score) with a valid period of validity or a certificate of English language proficiency granted by a specialized center recognized by the university. For students who have not submitted an English language proficiency certificate, they must successfully complete the English language course offered by the university within the requirements of the university during the first year of studying the master's.
9. The student must submit an application that includes all the documents required for the university administration on the dates and in accordance with the rules established in these regulations.
10. Pay the prescribed fees before the start of the study and on the dates determined by the University's Postgraduate Studies Department.

**10- Regulation of Progession and Program Completion:**

The duration of study for a master’s degree is at least two Gregorian years and a maximum of five years. The College Council may extend the registration for exceptional circumstances for one year only at the suggestion of the main supervisor, the department council and the graduate studies council at the college and university.

The study includes:

The First part:

The duration of the study includes two semesters (the fall semester and the spring semester), each of 15 weeks, and the student studies in them:

1. Compulsory advanced scientific courses in basic medical sciences and basic dental sciences. The total credit hours for this part are 28 credit hours divided into 14 credit hours per week for each semester.This is in addition to 6 other credit hours for the compulsory university requirements.
2. Biostatistics and Computer Applications (2 credit hours).
3. Methods of scientific research and scientific writing (2 credit hours).
4. Advanced English Language (2 credit hours) and if the student obtains a valid TOEFL 550-degree certificate, he will be exempted from the course.
5. In the first part, the student also studies elective courses totaling four credit hours per week, to be determined with the academic supervisor from the attached schedule of elective courses.

The second part:

1. For the student to register for the second part of the courses, he must pass all the compulsory courses for the first part in addition to passing all the university requirements for the second part registration.
2. The student studies compulsory advanced courses in the specialization as well as carrying out modern scientific applications in the subject of the specialization. The total credit hours for this part are 24 credit hours per week divided into 12 credit hours per week for each semester (fall semester and spring semester).

##### It is not allowed to register for compulsory courses in the summer semester, except for university requirements. It is also allowed to register hours to work on the research thesis and complete clinical cases, as well as training and hospital shifts at the university hospital required by some departments.

Rules for withdrawal from program: The student have the right to withdraw from the course within eight weeks at most from the beginning of the study in the fall and spring semesters, and the student may not refund the tuition fees in case of withdrawal. In this case, the student's hours of this course are not calculated in the cumulative average, and a withdrawn grade (W) appears in his certificate.

Rules for transferring from one major to another in the college:

A student may transfer from one major to another, provided that the academic year ends and the relevant department councils agree and apply to him the admission rules in force when registering for the degree, taking into account the principle of equal opportunities and differentiation among applicants. Which the student succeeded in and compatible with the new program, with the approval of the department and graduate studies council and the college.

The student can transfer the hours of the courses he studied and succeeded in in any program that was removed from him if they fall within the courses necessary for the new program he wants to register with in the college, so that no more than 4 years have passed since his study and success, and he is required to apply for transferring these hours Within a month from the date of enrolling in the new program.

**11- Teaching and Learning Methods:**

|  |  |
| --- | --- |
| **Method** | **Program ILOs** |
| 1-Lecture | a1- a12,b1,b3,b4,b5, b10 |
| 2-Practical | c1\_c10,b2,b3,b4,b6,b10,d1,d2,d4 |
| 3-Seminar | b7,b8,b9,d3,d5,d6,d9 |
| 4- Journal club | b7,b8,b9,d3,d5,d6,d9 |
| 5- Project | d6,d7,d8,d9 |

**12- Assessment of Students:**

|  |  |  |
| --- | --- | --- |
| **Type of Exam** | **Assessment Method** | **Program ILOs** |
| Written | Short answered questions  Case scenario  Problem solving  M.C.Qs  E. M. I. | a1\_a12 |
| Oral | Viva cards | a1\_a12,b1\_b10 |
| Practical/Clinical | O S C E  O S P E  Checklists | c1\_c10,d7 |
| Assignment | Presentation  Discussion | b7,b8,b9,d3,d5,d6,d9 |
| Formative | MCQ quiz | b1,b10 |

**Distribution of Marks:**

**University Requirements**

**Six (6) credit hours are obligatory.**

| **Total** | **Self-learning** | **Lecture** | **Total**  **Credit Hours** | **Course title** | **Code** |
| --- | --- | --- | --- | --- | --- |
| **100** | **40** | **60** | **2** | ***Computer applications and biostatistics in specialty*** | **COMP 611** |
| **100** | **40** | **60** | **2** | ***Advanced English language or TOEFL*** | **ENGL 601** |
| **100** | **40** | **60** | **2** | ***Scientific writing and research methodologies*** | **SWRMD 601** |

**Obligatory courses**

**Year 1, Semester: 1**

| **Total Grade** | **Exams** | | | **Course title** | **Code** |
| --- | --- | --- | --- | --- | --- |
|
| **Oral** | **Practical/Clinical** | **Writing** |
| **150** | **30** | **30** | **90** | ***Oral Biology and embryology I*** | **OBIOL 701** |
| **150** | **30** | **30** | **90** | ***Oral and Maxillo-facial Pathology I*** | **OPATH 701** |
| **150** | **30** | **30** | **90** | ***Oral & Maxillofacial Radiology I*** | **ORAD 701** |
| **100** | **30** | **20** | **50** | ***General Medicine Dermatology*** | **GMED 701** |
| **150** | **30** | **20** | **100** | ***Pharmacology*** | **PHARM 701** |
| **150** | **30** | **20** | **100** | ***Human Physiology*** | **HPHYSG 701** |
| **850** |  |  |  | **Total** | |

**Year 1, Semester: 2**

| **Total Grade** | **Exams** | | | **Course title** | **Code** |
| --- | --- | --- | --- | --- | --- |
|
| **Oral** | **Practical/Clinical** | **Writing** |
| **150** | **30** | **30** | **90** | ***Oral Biology and embryology* II** | **OBIOL 702** |
| **150** | **30** | **30** | **90** | ***Oral and maxillofacial Pathology II*** | **OPATH 702** |
| **150** | **30** | **45** | **75** | ***Basics and application microscope*** | **EM 702** |
| **100** | **20** | **20** | **60** | ***Laser applications in dentistry*** | **ALASD 702** |
| **150** | **30** | **30** | **90** | ***Microbiology and Immunology*** | **MICIM 702** |
| **700** |  |  |  | **Total** | |

**Year 2, Semester: 1**

| **Total Grade** | **Exams** | | | **Assignment**  **10%** | **Course title** | **Code** |
| --- | --- | --- | --- | --- | --- | --- |
|
| **Oral** | **Practical/**  **Clinical** | **Writing** |
| **150** | **30** | **30** | **75** | **15** | ***Advanced oral medicine I*** | **OMED 801** |
| **150** | **30** | **30** | **75** | **15** | ***Advanced periodontology I*** | **PERIO 801** |
| **150** | **30** | **30** | **75** | **15** | ***Advanced clinical oral diagnosis I*** | **DIAG 801** |
| **100** | **20** | **0** | **70** | **10** | ***Genetics*** | **GENET 801** |
| **50** | **10** | **0** | **35** | **5** | ***Esthetic in dental practice*** | **RPROTH 831** |
| **600** |  | | | | **Total** | |

**Year 2, Semester: 2**

| **Total Grade** | **Exams** | | | **Assignment 10%** | **Course title** | **Code** |
| --- | --- | --- | --- | --- | --- | --- |
|
| **Oral** | **Practical/**  **Clinical** | **Writing** |
| **150** | **30** | **30** | **75** | **15** | ***Advanced oral medicine II*** | **OMED 802** |
| **150** | **30** | **30** | **75** | **15** | ***Advanced periodontology II*** | **PERIO 802** |
| **150** | **30** | **30** | **75** | **15** | ***Advanced clinical oral diagnosis II*** | **DIAG 802** |
| **150** | **30** | **30** | **75** | **15** | ***Peri-Implant soft tissue manegment*** | **PERIO 812** |
| **600** |  | | | | **Total** | |

**Grading System:**

![A picture containing graphical user interface

Description automatically generated]()

**13- Evaluation of the Program:**

##### Practical, laboratory and clinical exercises for each course in each program. The department should plan and prepare their own requirements to achieve the outcomes of the educational process. These requirements include practical, laboratory and clinical cases. The various requirements are a booklet for these practical activities (Logbook), and the student must write down his achievements of the requirements in this booklet and approved by one of the faculty members and the head of the department to allow entry to the exam for each subject.

##### The practical assignment requirements determined by the professor of each course from different activities approved by the head of the department. 10% of the total final grades for each course are determined. The professor of the courses hands the student these assignments at the start of the study to be fulfilled.

##### These assignments include, for example:Preparing a seminar or systematic research (review article) for specific topics or presenting and analyzing a group of different rare clinical cases, as well as carrying out various activities such as attending conferences or discussions of scientific thesis and participating in scientific seminars and other scientific activities.

|  |  |  |
| --- | --- | --- |
| **Evaluator** | **Method** | **Sample Size** |
| **1- Senior students** | **Qustionaire** | **20**\_**30%** |
| **2- Graduates** | **qustionaire** | **20\_30%** |
| **3- Employers** | **qustionaire** | **30-50%** |
| **4- External evaluator** | **repat** | **30-50%** |
| **5- Internal evaluator** | **repat** | **30-50%** |
| **6- Others** | **repat** | **30-50%** |

**Program Coordinator:**

**signature:**

**Date:**

1. National Authority of Quality Assurance & Accreditation in Education, Egypt [↑](#footnote-ref-1)
2. General Dental Council, UK [↑](#footnote-ref-2)