

LEBANESE UNIVERSITY

FACULTY OF DENTAL MEDICINE

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RESIDENT GUIDE

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Take to give ...

Since my appointment as Dean of the Faculty of Dental Medicine, I fulfilled my first dreams as a student when the Faculty establishment took its first steps under the tutelage of the Antonine Maronite Order and the University of Louvain (Belgium). During that period, the first graduating class of the Lebanese University had no future. The means of hope were then exceedingly limited despite the great promises that flooded our ears. The establishment of the Faculty of Medical Sciences in the mid-1983s was, in a way, the crystallization of our hopes and we were all finally delighted to see the birth of an institution that could house so many dreams under one roof. The hard years started to wear off and the good weather came after the rain!



The "Section of Dental Medicine" of the Faculty of Medical Sciences at the Lebanese University was the scientific platform that allowed us, meanwhile, to flourish by giving to our students the quality of care and the humanitarianism that they deserve!

The mission of the Faculty of Dental Medicine at the Lebanese University is to provide higher education and preparation for a successful professional life and to conduct modern scientific research within the framework of Dental Medicine. The initiation of these programs is a new proof of the ongoing activities in this field.

Even if the political and economic situation of the country had a negative impact and is still affecting the workflow of the University, it was nothing more than an incentive to insist more on perseverance in work while continuing to give and give. The aim of the University above all is to serve the Lebanese society by inspiring its youth and finding ways to advance it scientifically, morally and culturally.

It is not surprising, that the level of education of any higher education institution is measured according to many pillars: the educational organization, the degree of qualification, the educational programs and their levels in quantity and quality.

This long tough journey has taught us to never give up, to follow our dreams, and persevere to achieve them and allow future generations to dream of a better future too! Take in order to give has become our Modus Vivendi.

This way of life and of being had initiated and taught us to take, grab, and earn in order to better give, offer, help, serve, grant, transmit and share. This section, which became a Faculty in 1999, taught us altruism, friendliness, benevolence, dedication and generosity, a prestigious institution where students, teachers and administration are able to overcome obstacles, barriers, and setbacks to achieve their hope of excellence.

*Professor Toni Zeinoun
Dean, Faculty of Dental Medicine*

2. GENERAL DESCRIPTION OF THE FACULTY OF DENTAL MEDICINE

2.1. Introduction

The Faculty of Dental Medicine (FDM) at the Lebanese University is a public higher education institution. The decree-law made it possible in 1996 to unify sections 1 and 2 and became an independent faculty no longer part of the Faculty of Medical Sciences.

On the 6th of April 1999, by ministerial decree n° 427 an autonomous Faculty was created: The Faculty of Dental Medicine.

Since its creation in 1983, the university curriculum of the Faculty of Dental Medicine have consisted of five years of study leading to the Diploma of Dental Surgery. The first university year is common with the Faculties of Medicine and Pharmacy at the Faculty of Sciences of the Lebanese University.

The next four university years are completed at the Faculty of Dental Medicine. Each academic year is divided into two semesters. At the end of the curriculum, the student who obtains the diploma of Dental Surgery can pursue postgraduate studies over three years ending up with a professional master M2.

The Faculty of Dental Medicine is an innovative faculty with an oral and dental care center that offers equitable, varied, and high-quality ambulatory care to a diverse population coming from different Lebanese regions.

Since 1994 the Faculty has been offering postgraduate diplomas in various specialties. In 2016, they were replaced by two master's degree types professional and research. Nine professional masters are offered: Forensic Dentistry, Anthropology and Human Identification, Forensic Medical Investigation and Disaster and Crime Scene Management, Oral Medicine and Maxillofacial Radiology, Oral Surgery, Orthodontics, Pediatric Dentistry and Public Health, Periodontology, Prosthodontics, Restorative Esthetic Dentistry and Endodontics.

In addition, a Doctorate in Odontological Sciences has been created since 1994. For the time being, this doctorate is not open to the public and is reserved only for faculty teachers who wish to pursue an academic curriculum at the Faculty.

2.2. Mission

Inspired by the global mission of the Lebanese University, the Faculty of Dental Medicine works to train dental health professionals and integrate them into Lebanese and international societies by giving them the necessary scientific, intellectual, moral, and ethical background:

- Prepare and develop academic and clinical programs based on the science of evidence and critical thinking

- Ensure an administrative and academic culture in accordance with quality standards
- Promote scientific research and continuing education
- Work to raise the level of oral health and preventive education in Lebanese society.

2.3. Vision

The Faculty of Dental Medicine at the Lebanese University aims to distinguish itself in the formation of general dentists and specialists in Lebanon. It aims to help them integrate the society following a training based on respect of the patient and each other, and to promote necessary care in accordance with the highest standard levels in most modern countries. Thus, the Faculty provides service to communities residing in Lebanon by offering high quality care at reduced prices without discrimination of race, religion, or color.

2.4. Values

The Faculty seeks to achieve its mission and vision through the following values:

- Equal rights to education and health
- Civil, health, and moral liability
- Respect for administrative and social transparency
- Respect for cultural, social, and economic diversity.

2.5. Objectives

The objectives of the Faculty are multiple such as:

- Develop academic programs
- Place more emphasis on the statement of competencies in curriculum standards
- Emphasize the creation of an educational environment, as well as goals that emphasize critical thinking and prepare graduates to become followers of lifelong learning
- Systematize the academic accreditation process, particularly with regard to the essential criteria for evaluating the quality of educational programs
- Promote an educational environment that encourages innovation and constant improvement

- Protect the public interest.

2.6. Faculty Council

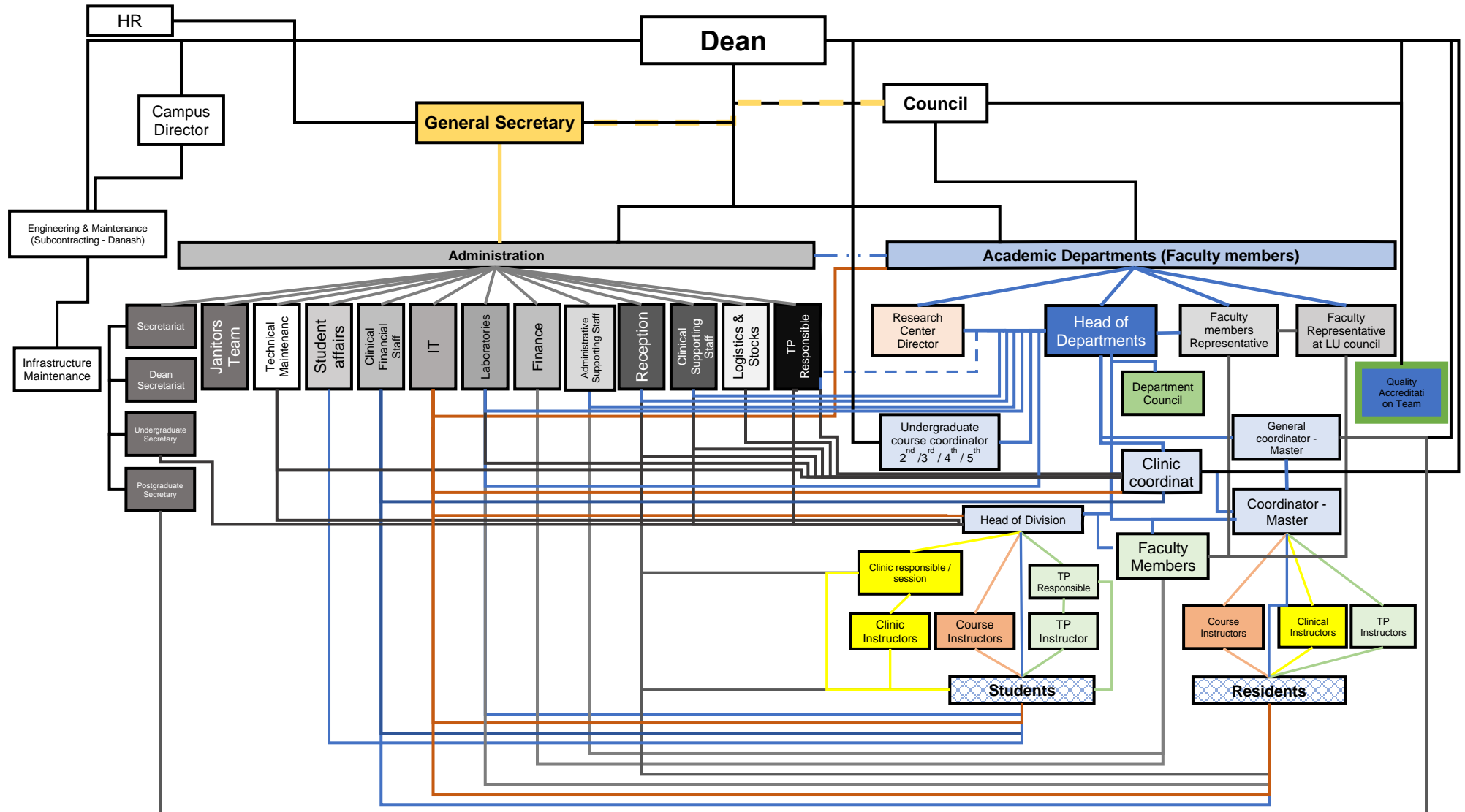
The Faculty Council consists of the following members:

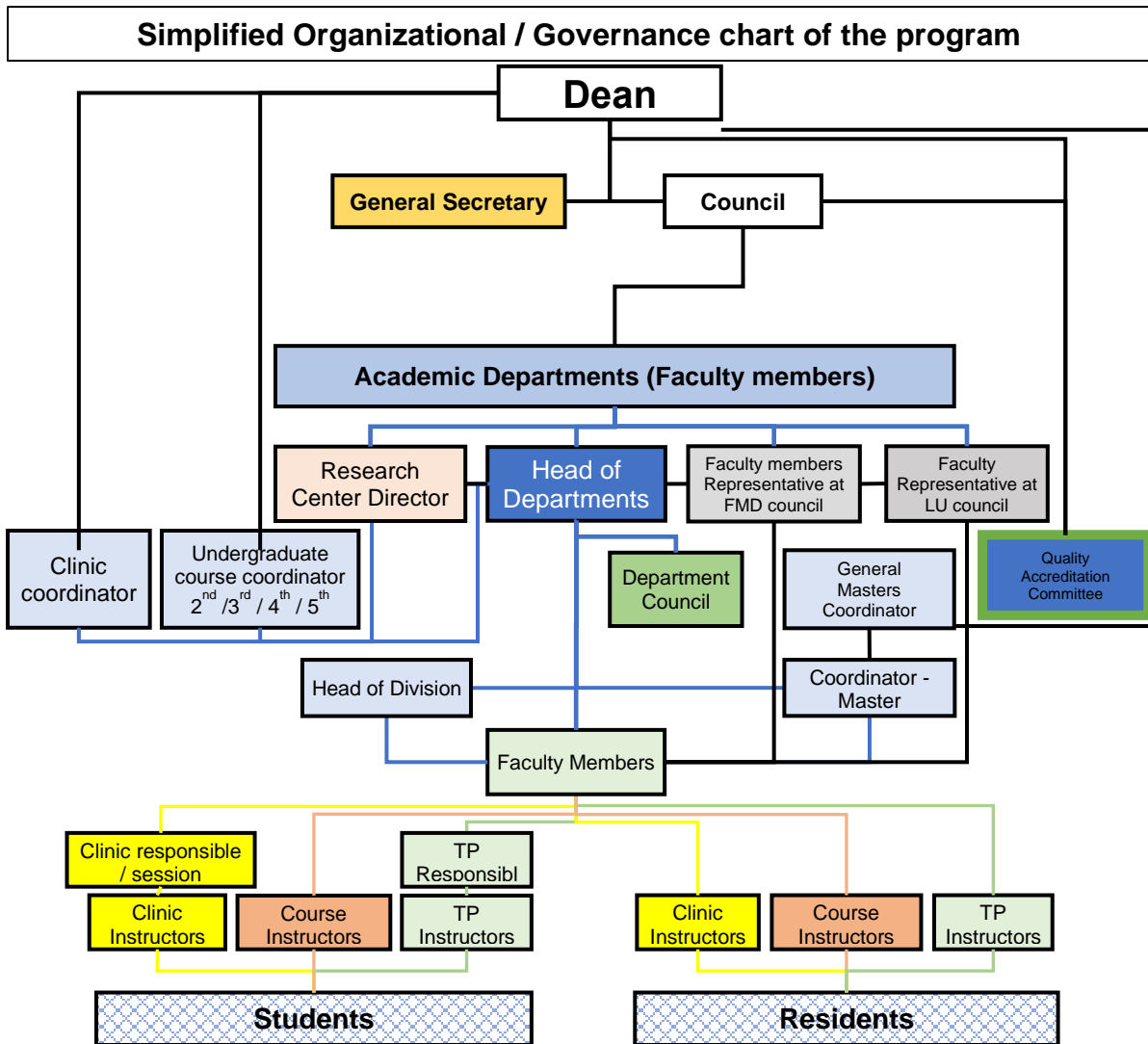
- The Dean as Chairman of the Faculty Council.
- The Heads of Academic Departments in alphabetical order:
 - o Forensic Dentistry, Anthropology and Human Identification
 - o Fundamental Sciences
 - o Oral and Maxillofacial Surgery
 - o Oral Medicine and Maxillofacial Radiology
 - o Orthodontics and Dentofacial Orthopedics
 - o Pediatric Dentistry and Dental Public Health
 - o Periodontology
 - o Removable and Fixed Prosthodontics
 - o Restorative and Esthetic Dentistry and Endodontics.
- The Director of Research Center
- The representative of teaching staff at the FDM Council
- The representative of teaching staff at the Council of the Lebanese University
- The student Representative as an observer (Law 75/67 Articles 85 and 86)
- The General Secretary of the FDM

2.7. Teaching staff

Staff consists of full-time and part-time teachers with Doctorates in Odontological Sciences, PhD, Masters and/or University Diplomas. They are graduates of different national and international universities (European, American, North African) who enhance the academic program by bringing knowledge from different dental schools in the world. Most postgraduate faculty members are specialized dentists, teachers with Doctorate in Basic and Odontological Sciences, medical specialists, as well as qualified specialists in computer science and management.

2.8. Organizational chart





2.9. Postgraduate degrees proposed at the FDM

The Faculty of Dental Medicine is an innovative faculty providing a high-level education based on theoretical, practical, and clinical learning as well as the acquisition of the skills required to become a professional and responsible postgraduate dental surgeon. Its care center provides high-quality management of oral and dental care, with continuous focus on patient satisfaction. The following degrees are offered.

M2 Master Professional or Research	3 years	<ul style="list-style-type: none"> - Forensic Dentistry, Anthropology and Human Identification - Oral Medicine and Maxillofacial Radiology - Oral Surgery - Orthodontics - Pediatric Dentistry and Public Health - Periodontology - Prosthodontics - Restorative and Esthetic Dentistry and Endodontics
Master professional	2 years	- Forensic Medical Investigation and Disaster and Crime Scene Management.
Master of Sciences	5 years	- Oral and Maxillofacial Surgery
Doctorate	At least 2 years	Doctorate in Odontological Sciences

2.10. Holidays

Annual leave and holidays throughout the year are set by the Rectorate of the Lebanese University.

3. MASTERS PROGRAM ADMISSION

Admission to the master's degree at the Faculty of Dental Medicine is possible at the first semester of each master and after passing a competitive written exam.

3.1. Professional Masters

Candidates who hold a diploma of dental surgery from the Lebanese University or any recognized university by the Lebanese Ministry of Higher Education are eligible to apply to the master competitive written exam. Except for Master in Forensic Medical Investigation and Disaster and Crime Scene Management special conditions are required.

The number of accepted residents is set a priori by the Faculty Council.

The choice of a specific master specialty shall be carried out according to the sequence of candidates' success scores in the competitive written exam. Student ranked first have the choice to select their specialty depending on the number previously fixed and announced by the Faculty for every master program. Once a specialty is filled, the residents can choose another specialty or drop out from the program.

3.2. Master of Sciences

Currently, the Master of Sciences degree is suspended.

Candidates who are allowed to enroll in the Master of Science degree program in the chosen specialty are selected at the end of the second semester, according to their grades average obtained during these first two semesters; except for Oral and Maxillofacial Surgery, the selection is made at the end of the fourth semester for the candidates who have enrolled in the master program of Oral Surgery.

Residents enrolled in the Master of Sciences degree programs are required to undergo an end-of-studies thesis consisting of a scientific research conducted in the specific field of specialization.

4. REGISTRATION OF THE MASTER'S DEGREE AT THE FDM

4.1. General rules

The applications required for registration are available to residents on the faculty's website.

The required documents are:

- An extract of civil status
- A second part Baccalaureate certificate issued by the Lebanese State or its equivalent
- A Diploma of Dental Surgery or equivalent
- Permission to practice the profession
- Two certified passport size photos

A registration fee is paid. Registration must be done at the beginning of the academic year.

Residents who have passed the competitive written exam should register no later than one week after the results of the competitive written exams are announced.

Registered residents must renew their registration annually at the beginning of every academic year.

All these details are available on the website of the Faculty of Dental Medicine.

4.2. Resident ID card

Following the registration, the student affairs department supplies each resident with a multi-service ID card for him/her to keep throughout his/her annual curriculum at the Faculty. This ID card gives the resident access to the university library.

- All regularly registered residents will receive their IDs in October.
- It is mandatory for all faculty activities requiring identity card control.
- It is particularly essential during theoretical exams.

4.3. Numerical identity

When registering, each resident receives a username and password allowing him/her to access an institutional e-mail address (Type "abcd@ul.edu.lb"), to have a secure private personnel environment,

download some softwares, consult course materials on the website, or access the university's virtual library system.

4.4. Medical and accidental insurance

When registering, the resident pays a minimum annual contribution for insurance against the risk of illness or accident. He/she is registered with the National Social Security Fund. This is not valid in the case of prior coverage with the National Social Security Fund.

5. WELCOME AND ORIENTATION

5.1. Welcome to the Faculty: «Orientation Session»

At the start of the academic year, newly admitted residents are invited to an "Orientation Session" where they are informed about the applicable regulations and have the opportunity to meet residents from all years in a friendly environment.

A series of presentations is organized on various subjects such as: regulations applicable within the confines of the Faculty premises, code of ethics, faculty maps, safety instructions, and evacuation protocol in case of accidents or disasters.

At the end of the "Orientation Session", a guided tour in the different departments is organized. The welcome ends with a cocktail in the presence of the Dean and members of the Faculty.

5.2. Lockers and drawers

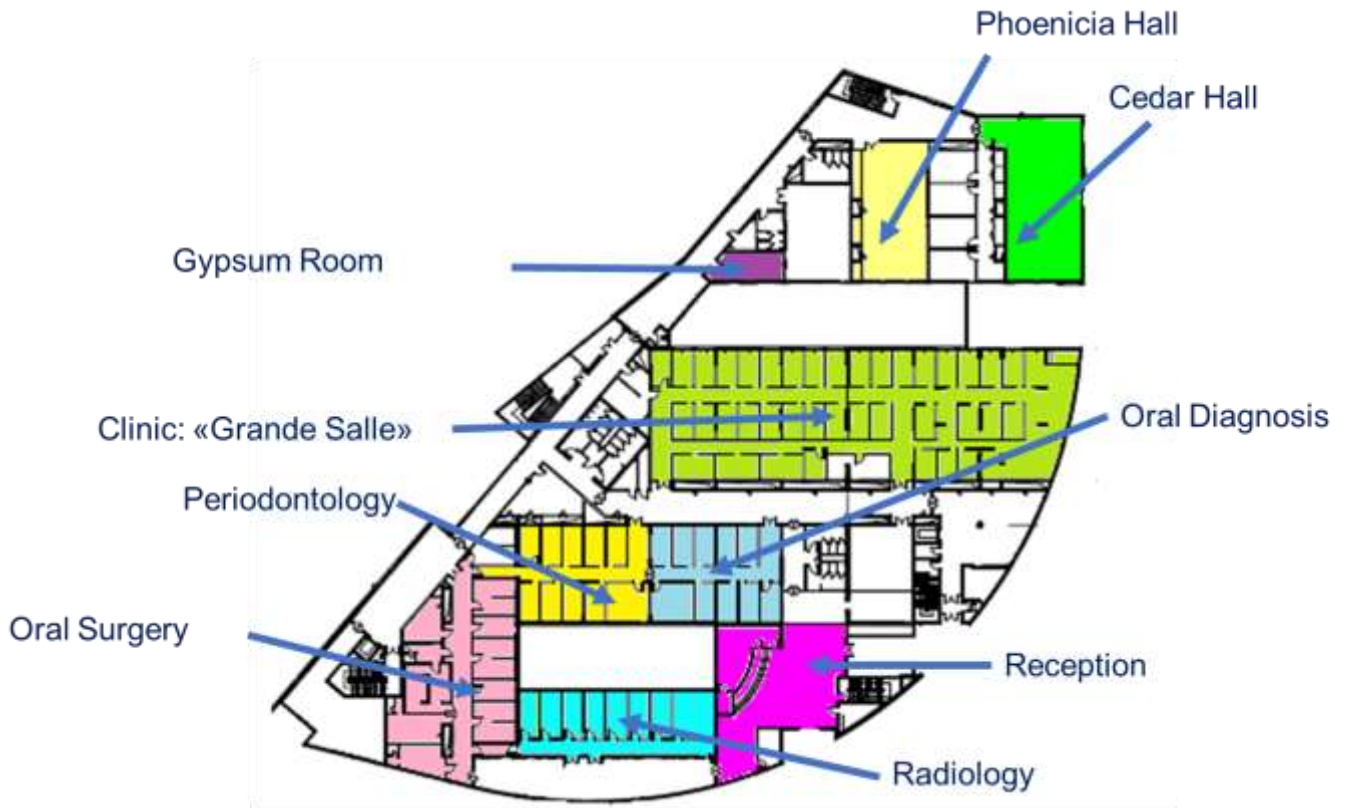
A distribution of lockers, cupboards, and drawers takes place at the beginning of the academic year. Changing rooms are available for residents.

5.3. Welcome to the master department

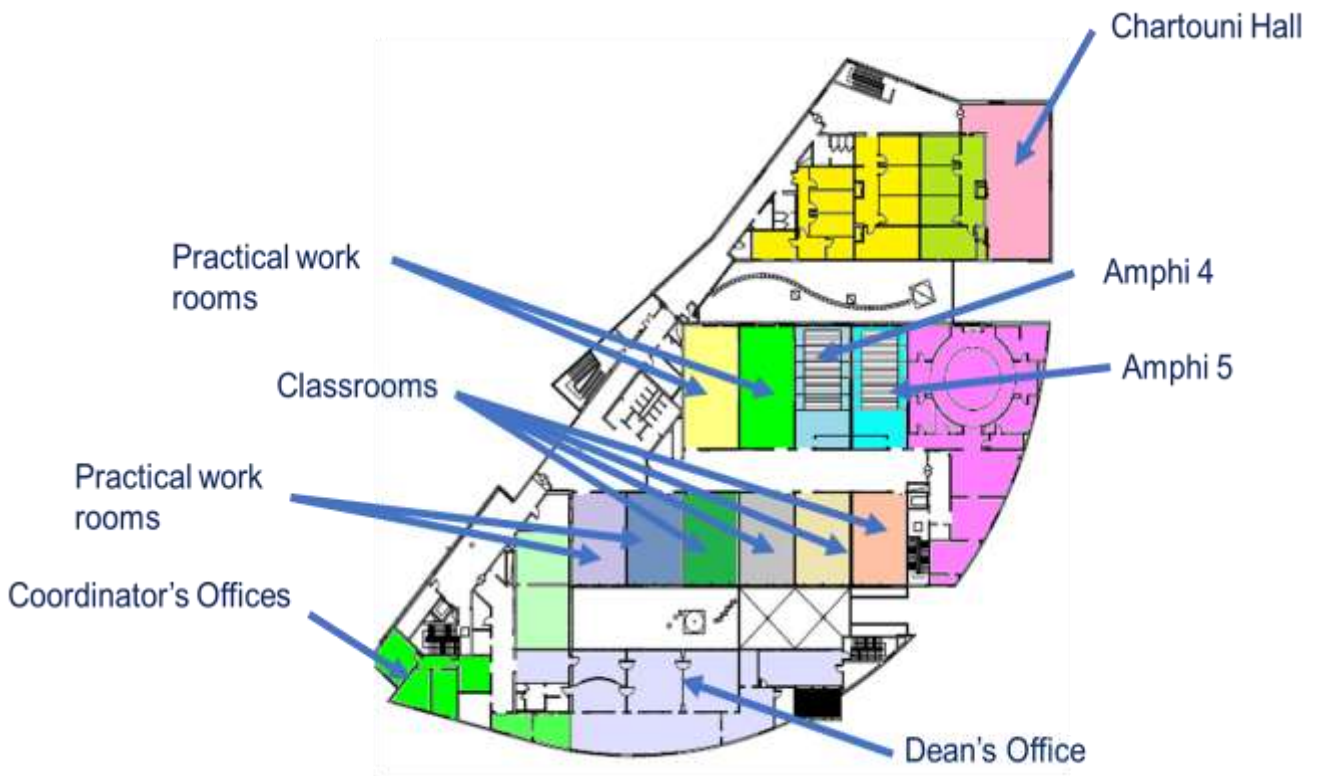
At the first session in the master's department, residents are informed about the internal regulations, the necessary equipment and the products needed for the good progress of the preclinical, practical, and clinical work, as well as the methods of evaluation. The internal regulations and the list of equipment and products are listed in the appendices of this guide.

5.4. Faculty maps

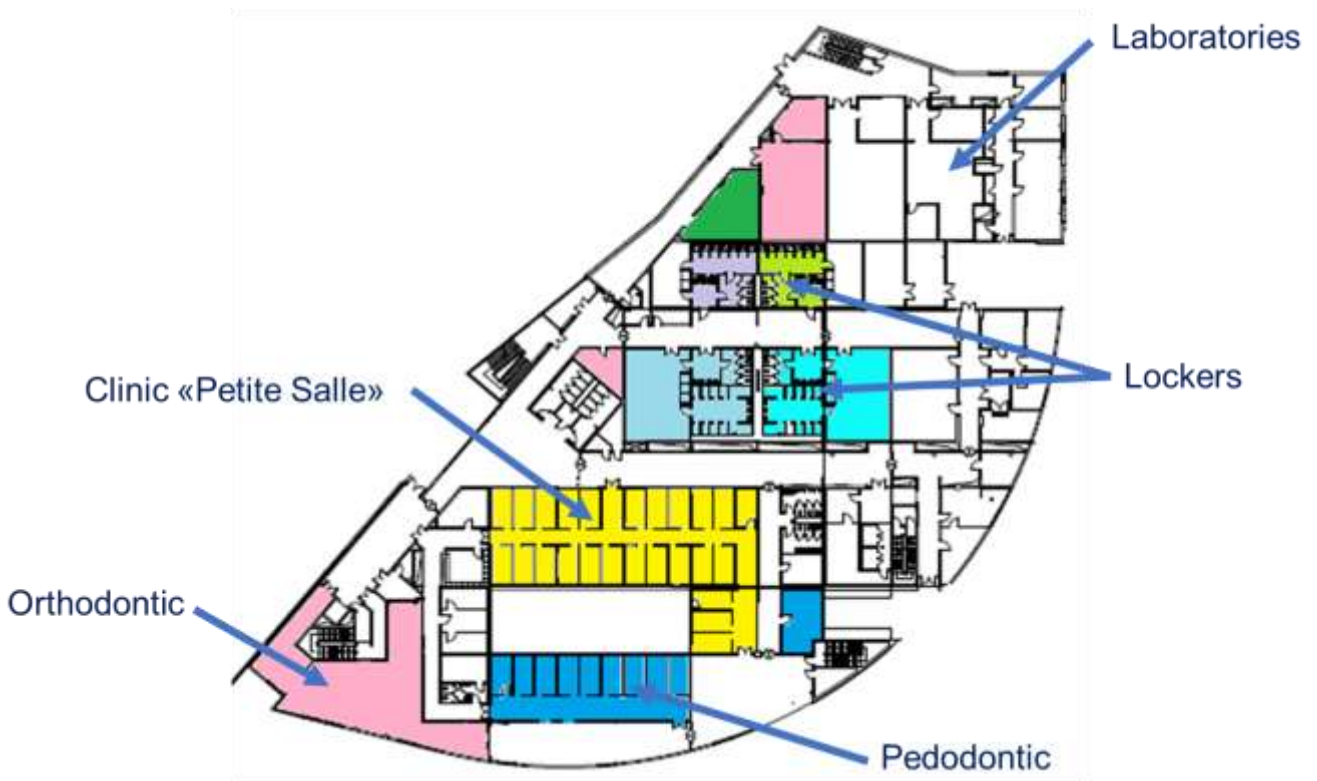
First floor



Second floor



Ground floor



6. RESIDENT REPRESENTATIVE

6.1. Election of the class delegate

Class delegates are elected at the start of each year for a mandate of one-year term which can be renewable.

Each class elects a delegate responsible for theoretical courses, practical, and clinical work.

The resident who wishes to run for the representative post applies to the office of the General Secretary of the Faculty at the beginning of the year one week prior to the date of elections which takes place in the presence of the General Secretary and the class residents. The first candidate who obtains the greatest number of votes will be elected as the class delegate.

6.2. Job of the class delegate

The job of the class delegate consists of:

- He/she transmits the complaints of his/her colleagues to the Master Coordinator who tries to solve them. If necessary, the Master Coordinator and the delegate forward them to the Dean.
- He/she sends administrative and academic information to his/her colleagues using a fast mean of communication like WhatsApp or email.
- He/she is responsible for checking the proper functioning of audio-visual equipment, laboratory equipment, and practical work rooms before each theoretical course or each practical work session.
- He/she is responsible for controlling the cleanliness of classrooms and practical work rooms.
- He/she communicates with the teachers to ensure the workflow of lessons and practical work.

7. DISCIPLINE AND ETHICS AT THE FDM

7.1. General rules

Throughout his presence at the Faculty, the resident must apply rules of discipline.

It is by applying these rules that he/she will be able to live in harmony with his/her colleagues, teachers, patients, and faculty staff.

Any violation of the rules is penalized. The penalties are those provided for by the general regulations of the Faculty.

7.2. General attitude of the resident

The resident should politely greet colleagues, employees, teachers, and patients.

Punctuality is essential during all activities within the Faculty. It works just as well at the beginning and at the end of activities.

The use of mobile phones is strictly prohibited in the dental care center, classrooms, and practical work rooms.

The resident must wear the respective outfit adapted to the different activities of the Faculty.

He/she is prohibited from:

- Coming to the Faculty with his/her uniform
- Going outside the Faculty with his/her uniform
- Going home with his/her uniform.

The resident must wear the regulatory badge at all times so that he/she can be identified always by the teacher, patient, employee, and colleagues.

It is imperative to apply rigorous daily personal hygiene: hair, nails, and beard well cut and groomed. Wearing jewelry in the arms is prohibited during treatment sessions.

The uniform must be dark green, and the white or green shoes (Crocs type) kept clean.

7.2.1. In the classroom

Residents are asked to be on time. Depending on the class schedule, they can wear their civilian clothes or their scrubs with a white overcoat and a clearly visible badge.

If the teacher is five to ten minutes late (he will then have to notify the class representative), the residents should wait in the classroom itself.

The teacher will close the door of the classroom at the start of the lesson. No resident will then be able to enter or leave without permission.

The duration of the lecture hour is fifty minutes. Beyond this time, the delegate can raise his/her arm to notify the teacher of the end of the lecture.

The room must be equipped with the necessary audio-visual equipment.

The board must be clean. Markers and a board eraser should always be available.

The resident must imperatively have in his hands the developed outline of the given lecture. It should have been distributed by the teacher one week before the lecture in order to allow the delegate to photocopy and distributed it to his/her colleagues on time. Otherwise, it will be given once the course is completely finished.

Attendance at classes is compulsory. Absences are sanctioned according to the general regulations of the Faculty.

Teachers remain available for any information regarding the lectures, according to a schedule established by the teacher.

The room should be left clean, the chairs tidy, and clean board.

The cleaning service is authorized to throw away any object left by the residents (notebook, book, etc.).

7.2.2. In the practical work room

The practical work allows the resident to become familiar with the procedures that he/she will practice later in the clinic.

The resident is required to be on time with his/her suitable uniform,

As soon as the practical work begins, no resident is allowed to enter or leave the room without the teacher's permission.

Attendance at practical work is compulsory.

The room should be left clean, the chairs tidy and clean board.

The cleaning service is authorized to throw away any object left by the residents.

7.2.3. In the dental care center

The resident must present to the dental care center with his/her uniform, ten minutes before the start of his/her appointments. He/she will stay in his/her cubicle. He/she will apply the disinfection and sterilization rules recommended by the Faculty.

Uniform

- Clean dark green pants except in endodontics (white pants).
- Clean dark green coat except in endodontics (white coat).
- White overcoat.
- White socks.
- Dark green or white shoes (Crocs type).
- White t-shirt (when necessary).
- Surgical mask.
- Dark green cap (if vail, dark green).
- Protective goggles.
- Regulatory badge with the name of the resident.

7.2.4. Hygiene room

The FDM is one of the faculties of dental medicine in Lebanon to provide patients and young school children with an educational tool in the field of oral prevention.

7.3. Residents attitude with patients

Respect for the patient condition, situation, and complaints are sacred. These values are never broken in any case, time or situation.

The residents contact with the patient should be polite and personalized. The patient is called by his last name preceded by his title. In the waiting room, the resident presents to the patient to invite him to come for treatment; he does not call out loud.

Patient time is precious. His appointment at the Faculty sometimes requires several shifts. For this reason, the patient must be able to inquire about his situation and assess the progress of the treatment in every visit.

In the event of a dispute with a patient, the resident, who is unable to resolve it on his own, resorts to the teacher in charge of the case in order to settle the dispute.

From his part, the patient must respect his appointments. Repetitive cancellations and unjustified delays may result in the closure of his dental file.

7.4. Sanctions

Disciplinary sanctions are listed in order of increasing severity:

- 1- Warning
- 2- Blame
- 3- Exclusion from the Faculty for a period of seven days to one month
- 4- Prohibition to present exams for one or more sessions
- 5- Exclusion from university for a maximum period of three years
- 6- Definitive exclusion from the institution.

The first three sanctions are announced by the Dean of the FDM. The fourth sanction requires the approval of the Faculty Council and the Dean. Exclusion sanctions are announced by the Rector of UL after approval of the University Council.

Any sanction mentioned above and announced in the case of fraud or attempted fraud committed during an examination or a thesis entails, for the person concerned, leads to the invalidity of the corresponding test.

The sanctioned resident can ask for a petition from the Rector of Lebanese University and the University Council within a maximum of two weeks.

7.5. Frauds

Any violation of FDM's internal regulations exposes the resident to disciplinary sanctions proportional to the fraud committed. There are two types of frauds: academic and non-academic.

- Academic fraud
 - Cheating in the exam or registration
 - Plagiarism
 - Unacceptable attitudes in class / disorders
 - Dishonesty
- Non-academic fraud
 - Aggressive behavior with colleagues, teachers, or patient
 - Destruction of faculty equipment
 - Theft
 - Destruction of property
 - Possession of hazardous materials
 - Discrimination and harassment
 - Alcoholism and drug abuse
 - Inappropriate conduct in the library.

7.6. Medical ethics

Schools for healthcare professionals have traditionally focused on the technical side of various medical treatment that the residents must know. However, once in clinical practice, both freshly graduated and experienced practitioners are faced with more important issues such as ethics, which is about right and wrong and the reasons behind the choice of our actions. This is clearly a main question in medicine, because doing what is right for your patients has not only a scientific impact but also an ethical one. Tackling an ethical problem is not always that simple. Ethics do not replace all of the other important elements such as good judgment, sensitivity, compassion, common sense, and good clinical reasoning. The practitioner decides after analyzing in-depth the professional regulations, the availability of other alternatives and the financial issues. When treating the patient, we must have a plan of action away from any unilateral and authoritarian paternalistic decision-making.

We believe that ethics naturally find its source of reflection in action. Therefore, the more the practitioner is in direct contact with the action, the more he will appreciate the variety of questions and challenges raised. The ethics programs are offered in three stages preclinical, clinical, and postgraduate.

7.7. Expected learning outcomes of the ethics programs

Objectives:

- The course provides an introduction to modern professional medical ethics and health jurisprudence in harmony with new health care pedagogies and programs. It adopts a multidisciplinary approach to medicine and its social implication in the quest for the human person - the potential patient - who is the source and the foundation of any ethics which "would plunge into the desire for accomplishment and the desire for achievement" . It will expose new dimensions essential to interprofessional integrity where ethics, as perceived by Paul Ricœur, is a requirement not only in the health sectors but also for all those who must make decisions where values are involved. Another objective is to familiarize residents with the central concepts of bioethics.

At the end of this course, the resident should be able to:

- Distinguish between deontological ethics and teleological ethics where actions are determined and justified by the consequence of actions. (Duty / consequentialism)
- Examine the fundamental principles and the values of justification (Dignity, Autonomy and Justice ...)
- Describe the difference between a choice and an ethical dilemma
- Compare the values and ethical concepts that support the ethical principles
- Compare the three theories of ethical thinking and give examples of each
- Determine the relationship of medical ethics with laws and jurisprudence as well as with psychology, philosophy, sociology, theology, and biology
- Use ethical principles as guidelines for decision making when caring for patients or when approaching ethical dilemmas
- Evaluate the independence of medical ethics versus conceptual (ideal) or material (economics, politics, philosophy, theology, etc.) factors & also in the context of new diagnostic methods & new therapeutic possibilities (consent, biomedical research, etc.).

8. ACADEMIC PROGRAM

8.1. General description

The duration of the studies is fixed for three years for all masters on a full-time basis and at a rate of at least twenty-four hours per week. Exceptions are the duration of studies of the master of Oral and Maxillofacial Surgery which is five years and the Forensic Medical Investigation and Disaster and Crime Scene Management which is two years. The master program is scheduled over six semesters (three years). Each semester is composed of twenty-one working weeks.

Moreover, the master program includes fifty hours per year of volunteer social work in the field of dentistry outside the Faculty in any health center throughout the entire Lebanese territory.

During the three years of master program, the resident acquires a specialized theoretical education based on basic sciences, medicine, dentistry, and high skill performance in the specialty field. Masters at the Faculty of Dental Medicine are classified into professional and research type.

The nine professional masters are: Forensic Dentistry, Anthropology and Human Identification, Forensic Medical Investigation and Disaster and Crime Scenes Management, Oral Medicine and Maxillofacial Radiology, Oral Surgery, Orthodontic, Pediatric Dentistry and Public Health, Periodontology, Prosthodontics, and Restorative and Esthetic Dentistry and Endodontics.

The total credits for the Professional Master are 150 credits of theoretical, practical, and guided clinical work except for orthodontic masters which is 250 credits and for Forensic Medical Investigation and Disaster and Crime Scene Management is 36 credits. One credit counts for every ten theoretical hours, and counts for every fifteen seminars, workshop or clinical hours. The master program has to end up with a thesis.

In addition, eight research Master of Sciences are offered in the same fields of the professional masters mentioned above but they are currently suspended. They count for 180 credits each. except for orthodontic masters which is 280 credits The research thesis counts for 30 credits.

8.2. Program objectives

The aim of the academic programs is to prepare specialized dental surgeons whose behavior and professional skills enable them to manage complicated clinical cases encountered in their practice. The

level of the dental surgeons holding a master's degrees will be of high quality allowing their professional integration into the national and regional market. The privilege of good training and the development of critical thinking and continuing education encourages the resident to be integrated in the research field.

8.3. Teaching languages

The main language of teaching in the master's program at the Faculty of Dental Medicine is English.

8.4. Syllabus

The syllabus briefly describes the content of the course and notifies its importance in academic training. The objectives and targeted learning outcomes are detailed as well as the teaching methods and their assessment. A list of books, scientific journals, and websites is recommended to help the resident in his studies. This syllabus can be viewed on the faculty's website.

8.5. Program content

8.5.1. Master in Forensic Odontology, Anthropology and Human Identification (FOAHI)

CODE	COURSE TITLE	HOURS	CREDIT	TYPE
FIRST SEMESTER				
BASC M1 101	Histology & Embryology / Stem Cells	15	1.5	Theory
BASC M1 102	Oro-facial Physiology	15	1.5	Theory
BASC M1 103	Topographic Anatomy	15	1.5	Theory
BASC M1 104	Microbiology	15	1.5	Theory
BASC M1 105	Immunology	15	1.5	Theory
MNGT M1 101	Strategy, Organization and Action Plan	15	1.5	Theory
MNGT M1 102	Quality Systems, Accounting and Legal Affairs	15	1.5	Theory
FOAHI M1 101	Management of Medically Compromised Patients; Medical Emergencies in the Dental Clinic	20	2.0	Theory
FOAHI M1 102	Introduction to Forensic Medicine and Forensic Odonto-Stomatology	20	2.0	Theory
FOAHI M1 103	General Introduction to Anthropology	20	2.0	Theory
FOAHI M1 104	Human Osteology and Comparative Anatomy 1	25	2.5	Theory

FOAHI M1 105	Human Osteology and Comparative Anatomy 1	45	3.0	Workshop Seminar
FOAHI M1 106	Applicable Laws and Regulations Governing the Practice of Odontology	25	2.5	Theory
FOAHI M1 107	Lebanese Penal Code	20	2.0	Theory
TOTAL HOURS / CREDITS		280	26.5	
SECOND SEMESTER				
BASC M2 106	Molecular Biology	15	1.5	Theory
BASC M2 107	Biophysics and Lasers	15	1.5	Theory
BASC M2 108	Dental Biocompatibility	10	1.0	Theory
BASC M2 109	Laboratory Tests: Routine and Special Histological Techniques, Cell Cultures, Biochemical Techniques	20	2.0	Theory
BASC M2 110	Biostatistics	15	1.5	Theory
BASC M2 111	Article Analysis and Bibliographic Research	10	1.0	Theory
BASC M2 112	Free Course -1-	10	1.0	Theory
FOAHI M2 108	Human Osteology and Comparative Anatomy 2	25	2.5	Theory
FOAHI M2 109	Human Osteology and Comparative Anatomy 2	60	40	Workshop/ Seminar
FOAHI M2 110	Congenital and Acquired Oral and Maxillofacial diseases	15	1.5	Theory
FOAHI M2 111	Pathological Complications Resulting from the Range of Dental Procedures	30	3.0	Theory
FOAHI M2 112	Clinical and Hospital Rotation	150	6.0	Clinic
TOTAL HOURS / CREDITS		375	26.5	
THIRD SEMESTER				
BASC M3 201	Free Course -2-	10	1.0	Theory
FOAHI M3 201	Individual Biological Identification from Skeleton 1	30	3.0	Theory
FOAHI M3 202	Individual Biological Identification from Skeleton 1	30	2.0	Workshop Seminar
FOAHI M3 203	Radiology Tests and their Use in Forensic Medicine	15	1.5	Theory
FOAHI M3 204	Medical Responsibility, Experts Role	10	1.0	Theory
FOAHI M3 205	Forensic Traumatology	20	2.0	Theory
FOAHI M3 206	Dental Injuries and Injuries Caused by Teeth	10	1.0	Theory
FOAHI M3 207	Internal Medicine	20	2.0	Theory
FOAHI M3 208	Gynecology, Dermatology and Hematology	20	2.0	Theory
FOAHI M3 209	Clinical and Hospital Rotation	200	8.0	Clinic
TOTAL HOURS / CREDITS		365	23.5	
FOURTH SEMESTER				
FOAHI M4 210	Individual Biological Identification from Skeleton 2	30	3.0	Theory
FOAHI M4 211	Individual Biological Identification from Skeleton 2	45	3.0	Workshop Seminar

FOAHI M4 212	Archaeoethanatology and Post-mortem Modifications 1	20	2.0	Theory
FOAHI M4 213	Archaeoethanatology and Post-mortem Modifications 1	45	3.0	Workshop Seminar
FOAHI M4 214	Forensic Medical Examination of Living Individuals	10	1.0	Theory
FOAHI M4 215	Forensic Medical Examination of Corpses	10	1.0	Theory
FOAHI M4 216	Injuries And Fatalities Due To Certain Physio-Biochemical Factors	10	1.0	Theory
FOAHI M4 217	Human Identification	10	1.0	Theory
FOAHI M4 218	Clinical and Hospital Rotation	200	8.0	Clinic
TOTAL HOURS / CREDITS		380	23.0	
FIFTH SEMESTER				
FOAHI M5 301	Osteological Pathologies and Dental Lesions 1	30	3.0	Theory
FOAHI M5 302	Osteological Pathologies and Dental Lesions 1	60	4.0	Workshop Seminar
FOAHI M5 303	Toxicology	15	1.5	Theory
FOAHI M5 304	Physical Damage Estimation	20	2.0	Theory
FOAHI M5 305	Crime Scene Management	20	2.0	Theory
FOAHI M5 306	Lebanese Penal Code	20	2.0	Theory
FOAHI M5 307	Clinical and Hospital Rotation	200	8.0	Clinic
TOTAL HOURS / CREDITS		365	22.5	
SIXTH SEMESTER				
FOAHI M6 308	Osteological Pathologies and Dental Lesions 2	20	2.0	Theory
FOAHI M6 309	Osteological Pathologies and Dental Lesions 2	60	4.0	Workshop/Seminar
FOAHI M6 310	Archaeoethanatology and Post-mortem Modifications 2	20	2.0	Theory
FOAHI M6 311	Archaeoethanatology and Post-mortem Modifications 2	60	4.0	Workshop/Seminar
FOAHI M6 312	Disaster Management	30	3.0	Theory
FOAHI M6 313	Injuries and Fatalities Due to Certain Physio-Biochemical Factors	30	3.0	Theory
FOAHI M6 314	Computer Tools in Forensic Odontology	20	2.0	Theory
FOAHI M6 315	Clinical and Hospital Rotation	200	8.0	Clinic
	Thesis and research		0.0	
TOTAL HOURS / CREDITS		440	28	
TOTAL NUMBER OF HOURS / CREDITS FOR THE WHOLE PROGRAM		2205	150	

8.5.2. Master in Oral Medicine and Maxillofacial Radiology (OMFR)

CODE	COURSE TITLE	HOURS	CREDIT	TYPE
FIRST SEMESTER				
BASC M1 101	Histology & Embryology / Stem Cells	15	1.5	Theory
BASC M1 102	Oro-facial Physiology	15	1.5	Theory
BASC M1 103	Topographic Anatomy	15	1.5	Theory
BASC M1 104	Microbiology	15	1.5	Theory
BASC M1 105	Immunology	15	1.5	Theory

MNGT M1 101	Strategy, Organization and Action Plan	15	1.5	Theory
MNGT M1 102	Quality Systems, Accounting and Legal Affairs	15	1.5	Theory
OMFR M1 101	Clinical Examination	5.0 7.5	0.5 0.5	Theory Workshop
OMFR M1 102	Complementary Examination	5.0 7.5	0.5 0.5	Theory Workshop
OMFR M1 103	Management of patients medically compromised and Medical emergencies in the dental clinic	20	2.0	Theory
OMFR M1 104	Basics in Oral Radiology	10	1.0	Theory
OMFR M1 105	Radiation Protection	5.0	0.5	Theory
OMFR M1 106	Radiographic Techniques -1-	10 7.5	1.0 0.5	Theory Workshop
OMFR M1 107	Radiographic Anatomy	10 7.5	1.0 0.5	Theory Workshop
OMFR M1 108	Clinical / Hospital Rotation (Pathology – Radiology)	165	11.0	Clinical
TOTAL HOURS / CREDITS		365	30	
SECOND SEMESTER				
BASC M2 106	Molecular Biology	15	1.5	Theory
BASC M2 107	Biophysics and Lasers	15	1.5	Theory
BASC M2 108	Dental Biocompatibility	10	1	Theory
BASC M2 109	Laboratory Tests: Routine and Special Histological Techniques - Cell Cultures - Biochemical Techniques	20	2.0	Theory
BASC M2 110	Biostatistics	15	1.5	Theory
BASC M2 111	Article analysis and bibliographic research	10	1.0	Theory
BASC M2 112	Free Course -1-	10	1.0	Theory
OMFR M2 109	Cariology and Salivary tests	10	1.0	Theory
OMFR M2 110	Periodontal diseases	5.0	0.5	Theory
OMFR M2 111	Applied pharmacology	10	1.0	Theory
OMFR M2 112	Applied medicine	30	3.0	Theory
OMFR M2 113	Hematology	10	1.0	Theory
OMFR M2 114	Radiographic techniques -2-	10 7.5	1.0 0.5	Theory Workshop
OMFR M2 115	Radiologic interpretation -1-	10 7.5	1.0 0.5	Theory Workshop
OMFR M2 116	Clinical / hospital rotation (Pathology – Radiology)	165	11.0	Clinical
TOTAL HOURS / CREDITS		360	30.0	
THIRD SEMESTER				
BASC M3 201	Free Course -2-	10	1.0	Theory
OMFR M3 201	Oral mucosa	10	1.0	Theory
OMFR M3 202	Bacterial and viral diseases	20	2.0	Theory
OMFR M3 203	Fungal and protozoal diseases	10	1.0	Theory
OMFR M3 204	Physical and chemical injuries	10	1.0	Theory
OMFR M3 205	Oral manifestations of systemic diseases	10 7.5	1.0 0.5	Theory Workshop
OMFR M3 206	Allergic and immunologic diseases	10	1.0	Theory
OMFR M3 207	Pulpal and periapical diseases	5.0	0.5	Theory

OMFR M3 208	Oro-facial pain	10 7.5	1.0 0.5	Theory Workshop
OMFR M3 209	Pathology of temporomandibular joint	10	1.0	Theory
OMFR M3 210	Anesthesia and sedation	5.0	0.5	Theory
OMFR M3 211	Dental developmental anomalies	5.0	0.5	Theory
OMFR M3 212	Biomedical ethics	10	1.0	Theory
OMFR M3 213	Imaging techniques	10 7.5	1.0 0.5	Theory Workshop
OMFR M3 214	Radiologic interpretation -2-	10 7.5	1.0 0.5	Theory Workshop
OMFR M3 215	Specialized radiographic techniques	10 7.5	1.0 0.5	Theory Workshop
OMFR M3 216	Clinical / hospital rotation (Pathology – Radiology)	180	12.0	Clinical
TOTAL HOURS / CREDITS		372.5	30.0	
FOURTH SEMESTER				
OMFR M4 217	Oral benign tumors	20 7.5	2.0 0.5	Theory Workshop
OMFR M4 218	Salivary glands pathology	5.0 7.5	0.5 0.5	Theory Workshop
OMFR M4 219	Dermatologic diseases	10 7.5	1.0 0.5	Theory Workshop
OMFR M4 220	Odontogenic cysts and tumors	20 7.5	2.0 0.5	Theory Workshop
OMFR M4 221	Clinical research, study design/phases, Stastic means in oral medicine and applied informatics.	22.5	1.5	Workshop
OMFR M4 222	Laboratory tracking of biopsy specimen	5.0	0.5	Theory
OMFR M4 223	Correlation with dental specialties	10 7.5	1.0 0.5	Theory Workshop
OMFR M4 224	Cancer biology	10	1.0	Theory
OMFR M4 225	Clinical / hospital rotation (Pathology – Radiology)	165	11.0	Clinical
TOTAL HOURS / CREDITS		305	23.0	
FIFTH SEMESTER				
OMFR M5 301	Bone pathology	10 7.5	1.0 0.5	Theory Workshop
OMFR M5 302	Differential diagnosis of oral lesions	10 7.5	1.0 0.5	Theory Workshop
OMFR M5 303	Differential diagnosis of radiographic images	10 7.5	1.0 0.5	Theory Workshop
OMFR M5 304	Management of benign oral lesions	10 7.5	1.0 0.5	Theory Workshop
OMFR M5 305	Oral oncology	10 7.5	1.0 0.5	Theory Workshop
OMFR M5 306	Management of oral cancers	10 7.5	1.0 0.5	Theory Workshop
OMFR M5 307	Clinical / hospital rotation (Pathology – Radiology)	165	11.0	Clinical
TOTAL HOURS / CREDITS		270	20.0	
SIXTH SEMESTER				
OMFR M6 308	Laser therapy in oral medicine	10 7.5	1.0 0.5	Theory Workshop

OMFR M6 309	Disorders of taste, phonation, smell	10	1.0	Theory
OMFR M6 310	Anatomo-pathologic Laboratory	10 22.5	1.0 1.5	Theory Workshop
OMFR M6 311	Forensic dentistry in oral medicine	10	1.0	Theory
OMFR M6 312	Clinical / hospital rotation (Pathology - Radiology)	165	11.0	Clinical
OMFR M6 313	Thesis	0	0.0	Thesis
TOTAL HOURS / CREDITS		235	17.0	
TOTAL NUMBER OF HOURS / CREDITS FOR THE WHOLE PROGRAM		1907.5	150	

8.5.3. Master in Oral Surgery (OSRG)

CODE	COURSE TITLE	HOURS	CREDITS	TYPE
FIRST SEMESTER				
BASC M1 101	Histology & Embryology / stem cells	15	1.5	Theory
BASC M1 102	Oro-Facial Physiology	15	1.5	Theory
BASC M1 103	Topographic anatomy	15	1.5	Theory
BASC M1 104	Microbiology	15	1.5	Theory
BASC M1 105	Immunology	15	1.5	Theory
MNGT M1 101	Strategy, organization and action plan	15	1.5	Theory
MNGT M1 102	Quality systems, accounting and legal affairs	15	1.5	Theory
OSRG M1 101	Applied Oral & Maxillofacial anatomy	15 8.0	1.5 0.5	Theory Clinic
OSRG M1 102	Anesthesia and pain control	5.0	0.5	Theory
OSRG M1 103	Computer Science	10	1.0	Theory
OSRG M1 104	Medically compromise patients / Emergency in dental office	20	2.0	Theory
OSRG M1 105	Surgery Clinic 1 (2 sessions of 5 hours by week over 21 week)	210	14.0	Clinic
TOTAL HOURS / CREDITS		373	30.0	
SECOND SEMESTER				
BASC M2 106	Molecular Biology	15	1.5	Theory
BASC M2 107	Biophysics and Laser	15	1.5	Theory
BASC M2 108	Dental Biocompatibility	10	1.0	Theory
BASC M2 109	Laboratory tests.	20	2.0	Theory
BASC M2 110	Biostatistic	15	1.5	Theory
BASC M2 111	Article analysis and research	10	1.0	Theory
BASC M2 112	Free course -I-	10	1.0	Theory
OSRG M2 106	Case history & clinical investigations	5.0	0.5	Theory
OSRG M2 107	Basic principles of oral surgery	10	1.0	Theory
OSRG M2 108	Radiology in Oral Surgery	10	1.0	Theory
OSRG M2 109	Applied pharmacology	10	1.0	Theory
OSRG M2 110	Surgery Clinic 2 (2 sessions of 5 hours by week + 2 hours per week hospital over 21 week)	255	17.0	Clinical
TOTAL HOURS / CREDITS		385	30.0	
THIRD SEMESTER				

BASC M3 201	Free course –II-	10	1.0	Theory
OSRG M3 201	Oral mucosal pathology	15 8.0	1.5 0.5	Theory Workshop
OSRG M3 202	Introduction to dental implant	15 8.0	1.5 0.5	Theory Workshop
OSRG M3 203	Laser therapy in oral surgery	15 15	1.5 1.0	Theory Workshop
OSRG M3 204	Dental Eruption Disorders	20 8.0	2.0 0.5	Theory Workshop
OSRG M3 205	Biomedical Ethics	10	1.0	Theory
OSRG M3 206	Forensic and oral surgery	10	1.0	Theory
OSRG M3 207	Surgery Clinic 3 (2 sessions of 5 hours by week + 2.5 hours per week hospital over 21 week)	273	18.0	Clinical
TOTAL HOURS / CREDITS		407	30.0	
FOURTH SEMESTER				
OSRG M4 208	Cysts and tumors of the jaws	20 7.5 7.5	2.0 0.5 0.5	Theory Workshop Seminar
OSRG M4 209	Implant Rehabilitation; basic principles	20 7.5 7.5	2.0 0.5 0.5	Theory Workshop Seminar
OSRG M4 210	Salivary glands diseases	10	1.0	Theory
OSRG M4 211	Surgery Clinic 4 (2 sessions of 5 hours by week + 2.5 hours per week hospital over 21 week)	273	18.0	Clinical
TOTAL HOURS / CREDITS		353	25.0	
FIFTH SEMESTER				
OSRG M5 301	Oral cancer (10H-1C / 7.5H-0.5C)	10 08	1.0 0.5	Theory Workshop
OSRG M5 302	Implant rehabilitation: Advanced Surgery (20H-2C / 7.5 H-0.5C /7.5H-0.5C)	20 7.5 7.5	2.0 0.5 0.5	Theory Workshop Seminar
OSRG M5 303	Surgery Clinic 5 (2 sessions of 5 hours by week over 21 week)	218	14.5	Clinical
TOTAL HOURS / CREDITS		271	19.0	
SIXTH SEMESTER				
OSRG M6 304	Plastic, reconstructive, orthognathic surgery	20	2.0	Theory
OSRG M6 305	Surgery Clinic 6 (2 sessions of 5 hours by week over 21 week)	210	14.0	Clinical
OSRG M6 306	Thesis of final report	00	0.0	Thesis
TOTAL HOURS / CREDITS		230	16.0	
TOTAL NUMBER OF HOURS / CREDITS FOR THE WHOLE PROGRAM		2019	150.0	

8.5.4. Master in Orthodontics (ORTD)

CODE	COURSE TITLE	HOURS	CREDITS	TYPE
FIRST SEMESTER				
BASC M1 101	Histology & Embryology / Stem Cells	15	1.5	Theory
BASC M1 102	Oro-facial Physiology	15	1.5	Theory
BASC M1 103	Topographic Anatomy	15	1.5	Theory
BASC M1 104	Microbiology	15	1.5	Theory
BASC M1 105	Immunology	15	1.5	Theory
MNGTM1 101	Strategy, Organization and Action Plan	15	1.5	Theory
MNGTM1 102	Quality Systems, Accounting and Legal Affairs	15	1.5	Theory
ORTD M1 101	Management of patients medically compromised + Medical emergencies in the dental clinic	20	2.0	Theory
ORTD M1 102	Radiology Level 1	10	1.0	Theory
ORTD M1 103	Diagnosis - cephalometrics - facial esthetics - history of orthodontics	80	8.0	Theory
ORTD M1 104	Treatment planning- various orthodontic techniques and appliances- mechanics of tooth movement- properties of wires	80	8.0	Theory
ORTD M1 105	Growth- teeth development and eruption	20	2.0	Theory
ORTD M1 106	Interdisciplinary approach: occlusion and temporomandibular joint dysfunction - radiology- periodontics- orthognathic surgery...	30	3.0	Theory
ORTD M1 107	Statistics- research	20	2.0	Theory
ORTD M1 108	Evaluation on case reports	20	2.0	Theory
ORTD M1 109	Interdisciplinary seminars critical review of current orthodontic themes - faculty meetings seminars - maxillofacial orthopedics - seminars in periodontics - guest seminars	35	3.5	Theory
ORTD M1 110	Seminars and hands-on: journal club - hands-on - case presentations - cephalometry - clinical photography - bonding/banding and tyodont - orthodontic laboratory - literature review	60	4.0	Workshop
ORTD M1 111	Orthodontic clinic 1	135	9.0	Clinic
TOTAL HOURS / CREDITS		615	55.0	
SECOND SEMESTER				
BASC M2 106	Molecular Biology	15	1.5	Theory
BASC M2 107	Biophysics and Lasers	15	1.5	Theory
BASC M2 108	Dental Biocompatibility	5.0	0.5	Theory
BASC M2 109	Laboratory Techniques: Routine and Special Histological Techniques - Cell Cultures - Biochemical Techniques	20	2.0	Theory
BASC M2 110	Biostatistics	15	1.5	Theory
BASC M2 111	Article analysis and bibliographic research	10	1.0	Theory
BASC M2 112	Free Course -1-	10	1.0	Theory
ORTD M2 112	Radiology Level 2	10	1.0	Theory

ORTD M2 113	Periodontology	10	1.0	Theory
ORTD M2 114	Ortho & Esthetics	5.0	0.5	Theory
ORTD M2 115	Treatment planning- various orthodontic techniques and appliances- mechanics of tooth movement- wire properties	80	8.0	Theory
ORTD M2 116	Growth- teeth development and eruption	20	2.0	Theory
ORTD M2 117	Interdisciplinary approach: periodontology- orthognathic surgery...	30	3.0	Theory
ORTD M2 118	Management in orthodontics- statistics- research	20	2.0	Theory
ORTD M2 119	Evaluation on case reports	20	2.0	Theory
ORTD M2 120	Evaluation on article discussion and literature review	10	1.0	Theory
ORTD M2 121	Interdisciplinary seminars critical review of current orthodontic themes - faculty meetings seminars - maxillofacial orthopedics - seminars in periodontics - guest seminars	30	3.0	Theory
ORTD M2 122	Seminars and hands-on: journal club - hands-on - case presentations – cephalometry - clinical photography - bonding/banding and typodont - orthodontic laboratory - literature review	60	4.0	Workshop
ORTD M2 123	Orthodontic clinic 2	120	8.0	Clinic
TOTAL HOURS / CREDITS		510	45.0	
THIRD SEMESTER				
BASC M3 201	Free Course -2-	10	1.0	Theory
ORTD M3 201	Anesthesia and sedation	5.0	0.5	Theory
ORTD M3 202	Dental developmental anomalies	5.0	0.5	Theory
ORTD M3 203	Biomedical ethics	10	1.0	Theory
ORTD M3 204	Informatique	10	1.0	Theory
ORTD M3 205	Composites & Adhesives	5.0	0.5	Theory
ORTO M3 206	Evaluation on article discussion and literature review	10	1.0	Theory
ORTD M3 207	Interdisciplinary seminars <ul style="list-style-type: none"> • Critical review of current orthodontic themes • Faculty meetings seminars • Maxillofacial orthopedics • Seminars in periodontics • Guest seminars 	35	3.5	Theory
ORTD M3 208	Seminars and hands-on: <ul style="list-style-type: none"> • Journal club • Case presentations • Bonding/banding and typodont • Orthodontic laboratory • Literature review • Problem solving in orthodontics 	60	4.0	Workshop
ORTD M3 209	Orthodontic clinic 3	360	24.0	Clinic

TOTAL HOURS / CREDITS		510	37.0	
FOURTH SEMESTER				
ORTD M4 210	Medical Psychology	10	1.0	Theory
ORTD M4 211	Evaluation on case reports	20	2.0	Theory
ORTD M4 212	Evaluation on article discussion and literature review	10	1.0	Theory
ORTD M4 213	Interdisciplinary seminars <ul style="list-style-type: none"> • Critical review of current orthodontic themes • Faculty meetings seminars • Maxillofacial orthopedics • Seminars in periodontics • Guest seminars 	30	3.0	Theory
ORTD M4 214	Seminars and hands-on: <ul style="list-style-type: none"> • Journal club • Case presentations • Bonding/banding and typodont • Orthodontic laboratory • Literature review • Problem solving in orthodontics 	60	4.0	Workshop
THES M4 401	Thesis	250		Thesis
ORTD M4 215	Orthodontic clinic 4	390	26.0	Clinic
TOTAL HOURS / CREDITS		770	37.0	
FIFTH SEMESTER				
ORTD M5 301	Traumatology	5.0	0.5	Theory
ORTD M5 302	Evaluation on case report	20	2.0	Theory
ORTD M5 303	Evaluation on article discussion and literature review	10	1.0	Theory
ORTD M5 304	Interdisciplinary seminars <ul style="list-style-type: none"> • Critical review of current orthodontic themes • Faculty meetings seminars • Maxillofacial orthopedics • Seminars in periodontics • Guest seminars 	30	3.0	Theory
ORTD M5 305	Seminars and hands-on: <ul style="list-style-type: none"> • Journal club • Case presentations • Bonding/banding and typodont • Orthodontic laboratory • Literature review • Problem solving in orthodontics 	45	3.0	Workshop
THES M5 402	Thesis	250		Thesis
ORTD M5 306	Orthodontic clinic 5	428	28.5	Clinic
TOTAL HOURS / CREDITS		788	38.0	
SIXTH SEMESTER				
ORTD M6 307	Evaluation on case reports	20	2.0	Theory

ORTD M6 308	Evaluation on article discussion and literature review	10	1.0	Theory
ORTD M6 309	Evaluation on global knowledge in orthodontics	20	2.0	Theory
ORTD M6 310	Forensic sciences and orthodontics	10	1.0	Theory
ORTD M6 311	Seminars and hands-on: <ul style="list-style-type: none"> • Journal club • Case presentations • Bonding/banding and typodont • Orthodontic laboratory • Literature review • Problem solving in orthodontics 	45	3.0	Workshop
THES M6 403	Thesis	250	0.0	Thesis
ORTD M6 312	Orthodontic clinic 6	435	29.0	Clinic
TOTAL HOURS / CREDITS		790	38.0	
TOTAL NUMBER OF HOURS / CREDITS FOR THE WHOLE PROGRAM		3983	250.0	

8.5.5. Master in Pediatric Dentistry and Public Health (PDPH)

CODE	COURSE TITLE	HOURS	CREDITS	TYPE
FIRST SEMESTER				
BASC M1 101	Histology & embryology / stem cells	15	1.5	Theory
BASC M1 102	Physiology	15	1.5	Theory
BASC M1 103	Topographic anatomy	15	1.5	Theory
BASC M1 104	Microbiology	15	1.5	Theory
BASC M1 105	Immunology	15	1.5	Theory
MNGT M1 101	Strategy, organization and action plan	15	1.5	Theory
MNGT M1 102	Quality systems, accounting and legal affairs	15	1.5	Theory
PDPH M1 101	Patient examination and treatment plan (1)	25	2.5	Theory
PDPH M1 102	Principles and essentials of D PHI	20	2.0	Theory
PDPH M1 103	Management of patients medically compromised + Medical emergencies in the dental clinic	20	2.0	Theory
PDPH M1 104	Pediatric dentistry clinic	135	9.0	Clinic
PDPH M1 105	General anesthesia	15	1.0	Clinic
PDPH M1 106	PDPH CLINIC	45	3.0	Clinic
TOTAL HOURS / CREDITS		365	30.0	
SECOND SEMESTER				
BASC M2 106	Molecular biology	15	1.5	Theory
BASC M2 107	Biophysics and laser	15	1.5	Theory
BASC M2 108	Biocompatibility	10	1.0	Theory
BASC M2 110	Biostatistic	15	1.5	Theory
BASC M2 109	Biochemistry: laboratory tests	20	2.0	Theory
BASC M2 111	Article analysis and research	10	1.0	Theory

BASC M2 112	Optional course 1	10	1.0	Theory
PDPH M2 107	Examination and treatment plan (2)	20	2.0	Theory
PDPH M2 108	Behavior management patient	20	2.0	Theory
PDPH M2 109	Principles and essentials of DPH II	15	1.5	Theory
PDPH M2 110	Photography	10	1.0	Theory
PDPH M2 111	Pediatric dentistry clinic	135	9.0	Clinic
PDPH M2 113	General anesthesia	15	1.0	Clinic
PDPH M2 113	PDPH CLINIC	45	3.0	Clinic
PDPH M2 114	Workshop 1	15	1.0	Workshop
TOTAL HOURS / CREDITS		375	30.0	
THIRD SEMESTER				
BASC M3 201	Optional course 2	10	1.0	Theory
PDPH M3 201	Biomedical ethics	10	1.0	Theory
PDPH M3 202	Cariology and pulp pathology	25	2.5	Theory
PDPH M3 203	Adhesives and composite	5.0	0.5	Theory
PDPH M3 204	Prosthodontics in pd	20	2.0	Theory
PDPH M3 205	Dental, oral and periodontal diseases in PD	30	3.0	Theory
PDPH M3 206	Oral health program	20	2.0	Theory
PDPH M3 207	Health promotion and education	30	3.0	Theory
PDPH M3 208	Public health & epidemiology	20	2.0	Theory
PDPH M3 209	General anesthesia	15	1.0	Clinic
PDPH M3 210	Pediatric dentistry clinic	135	9.0	Clinic
PDPH M3 211	PDPH CLINIC	45	3.0	Clinic
TOTAL HOURS / CREDITS		365	30.0	
FOURTH SEMESTER				
PDPH M4 212	Interceptive orthodontics	30	3.0	Theory
PDPH M4 213	Management of medically compromised children	20	2.0	Theory
PDPH M4 214	Data management	20	2.0	Theory
PDPH M4 215	Managing public health projects	20	2.0	Theory
PDPH M4 216	Pediatric dentistry clinic	135	9.0	Clinic
PDPH M4 217	General anesthesia	15	1.0	Clinic
PDPH M4 218	DPHD CLINIC	45	3.0	Clinic
PDPH M4 219	Forensic in PD	10	0.0	Theory
DISS M4 201	Report	0	0.0	Thesis
TOTAL HOURS / CREDITS		295	22.0	
FIFTH SEMESTER				
PDPH M5 301	Surgery in pd	15	1.5	Theory
PDPH M5 302	Communication skills	25	2.5	Theory
PDPH M5 303	Hematology	5.0	0.5	Theory
PDPH M5 304	Anesthesiology and pain control	5.0	0.5	Theory
PDPH M5 305	Pediatric dentistry clinic	135	9.0	Clinic
PDPH M5 306	General anesthesia	15	1.0	Clinic
PDPH M5 307	Rotation in pediatric clinics	15	1.0	Clinic
PDPH M5 308	PDPH CLINIC	45	3.0	Clinic
DISS M5 301	Report	188	0.0	Thesis
TOTAL HOURS / CREDITS		448	19	

SIXTH SEMESTER				
PDPH M6 309	Traumatology	30	3	Theory
PDPH M6 310	Public health in practice	20	2	Theory
PDPH M6 311	Pediatric dentistry clinic	135	9	Clinic
PDPH M6 312	General anesthesia	15	1	Clinic
PDPH M6 313	Rotation in pediatric clinics	15	1	Clinic
PDPH M6 314	PDPH CLINIC	45	3	Clinic
DISS M6 301	Report	188	0.0	Thesis
TOTAL HOURS / CREDITS		448	19	
TOTAL NUMBER OF HOURS / CREDITS FOR THE WHOLE PROGRAM		2566	150	

8.5.6. Master in Periodontology (PERO)

CODE	COURSE TITLE	HOURS	CREDITS	TYPE
FIRST SEMESTER				
BASC M1 101	Histology & Embryology / Stem Cells	15	1.5	Theory
BASC M1 102	Oro-facial Physiology	15	1.5	Theory
BASC M1 103	Topographic Anatomy	15	1.5	Theory
BASC M1 104	Microbiology	15	1.5	Theory
BASC M1 105	Immunology	15	1.5	Theory
MNGT M1 101	Strategy, Organization and Action Plan	15	1.5	Theory
MNGT M1 102	Quality Systems, Accounting and Legal Affairs	15	1.5	Theory
PERO M1 101	Basics in Oral Radiology	10	1.0	Theory
PERO M1 102	Anesthesia and Pain Control	5.0	0.5	Theory
PERO M1 103	Information Technology	10	1.0	Theory
PERO M1 104	Management of Patients Medically Compromised. Emergencies in the Dental Clinic	20	2.0	Theory
PERO M1 105	Pre-Clinical Training in Periodontology	45	3.0	Workshop
PERO M1 106	Basic Clinical Training in Periodontology 1	180	12.0	Clinic
TOTAL HOURS / CREDITS		375	30.0	
SECOND SEMESTER				
BASC M2 106	Molecular Biology	15	1.5	Theory
BASC M2 107	Biophysics and Laser	15	1.5	Theory
BASC M2 108	Dental Biocompatibility	10	1.0	Theory

BASC M2 109	Laboratory Tests: Routine and Special Histological Techniques, Cell Cultures, Biochemical Techniques	20	2.0	Theory
BASC M2 110	Biostatistics	15	1.5	Theory
BASC M2 111	Article Analysis and Bibliographic Research	10	1.0	Theory
BASC M2 112	Free Course 1	10	1.0	Theory
PERO M2 107	Applied Pharmacology	15	1.5	Theory
PERO M2 108	Basic Periodontology 1	35	3.5	Theory
PERO M2 109	Basic Periodontology 2	35	3.5	Theory
PERO M2 110	Basic Clinical Training in Periodontology 2	180	12.0	Clinic
TOTAL HOURS / CREDITS		360	30.0	
THIRD SEMESTER				
BASC M3 201	Free Course 2	10	1.0	Theory
PERO M3 201	Biomedical Ethics	10	1.0	Theory
PERO M3 202	Clinical Periodontology 1	30	3.0	Theory
PERO M3 203	Clinical Periodontology 2	20	2.0	Theory
PERO M3 204	Clinical Periodontology 3	20	2.0	Theory
PERO M3 205	Clinical Training in Periodontology	195	13.0	Clinic
PERO M3 206	Clinical Periodontology 4	30	3.0	Theory
PERO M3 207	Basic Implant Dentistry	50	5.0	Theory
TOTAL HOURS / CREDITS		365	30.0	
FOURTH SEMESTER				
PERO M4 208	Clinical Implant Dentistry	50	5.0	Theory
PERO M4 209	Preclinical Training in Implant Dentistry	30	2.0	Workshop
PERO M4 210	Clinical Training in Periodontology and Implant Dentistry 1	195	13.0	Clinic
TOTAL HOURS / CREDITS		275	20.0	
FIFTH SEMESTER				
PERO M5 301	Clinical Periodontology and Implant Dentistry 1	35	3.5	Theory
PERO M5 302	Clinical Periodontology and Implant Dentistry 2	35	3.5	Theory
PERO M5 303	Pre-Clinical Training in Periodontology and Implant Dentistry 1	22	1.5	Workshop
PERO M5 304	Pre-Clinical Training in Periodontology and Implant Dentistry 2	22	1.5	Workshop

PERO M5 305	Clinical Training in Periodontology and Implant Dentistry 2	180	12.0	Clinic
DST M5 401	Thesis	125	0.0	Thesis
TOTAL HOURS / CREDITS		419	22.0	
SIXTH SEMESTER				
PERO M6 306	Clinical Periodontology and Implant Dentistry 3	40	4.0	Theory
PERO M6 307	Clinical Periodontology and Implant Dentistry 4	40	4.0	Theory
PERO M6 308	Pre-Clinical Training in Lasers	15	1.0	Workshop
PERO M6 309	Clinical Training in Periodontology and Implant Dentistry 3	135	9.0	Clinic
DST M6 402	Thesis	125	0.0	Thesis
TOTAL HOURS / CREDITS		355	18.0	
TOTAL NUMBER OF HOURS / CREDITS FOR THE WHOLE PROGRAM		2149	150.0	

8.5.7. Master in Prosthodontics (PROS)

CODE	COURSE TITLE	HOURS	CREDITS	TYPE
FIRST SEMESTER				
BASC M1 101	Histology & Embryology / stem cells	15	1.5	Theory
BASC M1 102	Orofacial Physiology	15	1.5	Theory
BASC M1 103	Topographic anatomy	15	1.5	Theory
BASC M1 104	Microbiology	15	1.5	Theory
BASC M1 105	Immunology	15	1.5	Theory
MNGT M1 101	Strategy, organization, and action plan	15	1.5	Theory
MNGT M1 102	Quality systems, accounting, and legal affairs	15	1.5	Theory
PROS M1 101	Pros Clinic 1	172.5	11.5	Clinic
PROS M1 102	Pros Practical 1 (Fixed Prosthodontics)	22.5	1.5	Practical
PROS M1 103	Implantology (Part 1)	50	4.0	Theory Seminar Workshop
PROS M1 104	Management of patients medically compromised + medical emergencies in the dental clinic	20	2.0	Theory
PROS M1 105	Anesthesia and sedation	5.0	0.5	Theory
TOTAL HOURS / CREDITS		375	30.0	
SECOND SEMESTER				
BASC M2 106	Molecular Biology	15	1.5	Theory
BASC M2 107	Biophysics and Laser	15	1.5	Theory
BASC M2 108	Dental Biocompatibility	10	1.0	Theory

BASC M2 109	Laboratory tests: Routine & special histol technics-cell cultures- biochemic technics	20	2.0	Theory
BASC M2 110	Biostatistics	15	1.5	Theory
BASC M2 111	Article analysis & bibliographic research	10	1.0	Theory
BASC M2 112	CAD/CAM technology	10	1.0	Theory
PROS M2 104	Complete dentures	50	4.0	Theory Seminar Practical
PROS M2 105	Dental materials	25	2.5	Theory
PROS M2 106	Pros Clinic 2	195	13.0	Clinic
TOTAL HOURS / CREDITS		365	29.0	
THIRD SEMESTER				
BASC M3 201	CAD/CAM in prosthodontics	10	1.0	Theory
PROS M3 201	Fixed Prosthodontics (Part 1)	65	5.0	Theory Seminar Workshop Practical
PROS M3 202	Implantology (Part 2)	80	6.0	Theory Seminar Workshop Practical
PROS M3 203	Partial Dentures (Part 1)	25	2.0	Theory Practical
PROSM3 204	Gerodontology	20	2.0	Theory
PROSM3 205	Pros Clinic 3	195	13.0	Clinic
PROS M3 206	Biomedical ethics	10	1.0	Theory
TOTAL HOURS / CREDITS		405	30.0	
FOURTH SEMESTER				
PROS M4 206	Fixed Prosthodontics (Part 2)	75	6.0	Theory Seminar Workshop Practical
PROS M4 207	Maxillofacial Prosthodontics	35	3.0	Theory Seminar
PROS M4 208	Partial Dentures (Part 2)	25	2.0	Theory Seminar Practical
PROS M4 209	Pros Clinic 4	210	14.0	Clinic
DISS M4 401	Thesis	0	0.0	Thesis
TOTAL HOURS / CREDITS		345	25.0	
FIFTH SEMESTER				
PROS M5 301	Occlusion	30	2.5	Theory Practical
PROS M5 302	Pros Clinic 5	210	14.0	Clinic
DISS M5 402	Thesis	0	0.0	Thesis
TOTAL HOURS / CREDITS		240	16.5	
SIXTH SEMESTER				
PROS M6 303	Orofacial Pain	50	4.5	Theory Seminar
PROS M6 304	Pros Clinic 6	210	14.0	Clinic
PROS M6 305	Forensics in Prosthodontics	10	1.0	Theory

PROS M6 306	Thesis: Writing the report	0	0.0	Thesis
DISS M6 403	Thesis Defense	0	0	Thesis
TOTAL HOURS / CREDITS		270	19.5	
TOTAL NUMBER OF HOURS / CREDITS FOR THE WHOLE PROGRAM		2000	150	

8.5.8. Master in Restorative and Esthetic Dentistry and Endodontics (DREN)

CODE	COURSE TITLE	HOURS	CREDITS	TYPE
FIRST SEMESTER				
BASC M1 101	Histology & Embryology / stem cells	15	1.5	Theory
BASC M1 102	Oro-facial Physiology	15	1.5	Theory
BASC M1 103	Topographic anatomy	15	1.5	Theory
BASC M1 104	Microbiology	15	1.5	Theory
BASC M1 105	Immunology	15	1.5	Theory
MNGT M1 101	Strategy, Organization and Action Plan	15	1.5	Theory
MNGT M2 102	Quality Systems, Accounting and Legal Affairs	15	1.5	Theory
DREN M1 101	Radiology Level 1 (Basic)	10	1.0	Theory
DREN M1 102	Basics in computer science	10	1.0	Theory
DREN M1 103	Compromised patients and emergencies in dental office	20	2.0	Theory
DREN M1 104	Dental anatomy, physiology and occlusion, related to restorative & Esthetic dentistry	10 7.5	1.5	Theory Workshop
DREN M1 105	Instrumentation in restorative dentistry Anesthesia in restorative dentistry and endodontics	10	1.0	Theory
DREN M1 106	Biomaterials in Restorative Dentistry	15	1.5	Theory
DREN M1 107	Restorative Clinics 1 (Assistance)	15	1.0	Clinic
DREN M1 108	Endodontic Anatomy. Endodontic Access cavity	15	1.5	Theory
DREN M1 109	Apical anatomy. Working length. Electronic apex locators	10	1.0	Theory
DREN M1 110	Endodontic Instruments	40	4.0	Theory
DREN M1 111	Irrigation	10	1.0	Theory
DREN M1 112	Endodontic Obturation	10	1.0	Theory
DREN M1 113	Endodontics preclinic: Shaping and cleaning NiTi. Obturation continuous wave.	30	2.0	Clinic
TOTAL HOURS / CREDITS		317.5	30.0	
SECOND SEMESTER				
BASC M2 106	Molecular Biology	15	1.5	Theory
BASC M2 107	Biophysics and Laser	15	1.5	Theory
BASC M2 108	Dental Biocompatibility	10	1.0	Theory
BASC M2 109	Laboratory tests: Routine and special histological techniques-Cell cultures Biochemical techniques	20	2.0	Theory
BASC M2 110	Biostatistics	15	1.5	Theory
BASC M2 111	Article analysis and bibliographic research	10	1.0	Theory

BASC M2 112	Free course 1	10	1.0	Theory
DREN M2 114	Dental Photography	10	1.0	Theory
DREN M2 115	Pharmacology	10	1.0	Theory
DREN M2 116	Radiology level 2	10	1.0	Theory
DREN M2 117	Basic in Periodontology	10	1.0	Theory
DREN M2 118	Cariology and salivary test	10	1.0	Theory
DREN M2 119	Fundamentals of Adhesion Pulpal physiopathology in Restorative Dentistry & Pulp preservation	10 10	2.0	Theory
DREN M2 120	Treatment planning in restorative dentistry	10 7.5	1.0 0.5	Theory Workshop
DREN M2 121	Teeth and Gum discolorations and their treatments	10	1.0	Theory
DREN M2 122	DRE-Literature review	22	1.5	Workshop
DREN M2 123	Restorative Clinics 2 (Assistance)	45	3.0	Clinic
DREN M2 124	Endodontic Clinic	75	5.0	Clinic
DREN M2 125	Endodontic literature review	22	1.5	Workshop
TOTAL HOURS / CREDITS		357	30.0	
THIRD SEMESTER				
BASC M3 201	Free course 2	10	1.0	Theory
DREN M3 201	Biomedical Ethics	10	1.0	Theory
DREN M3 202	Dental development anomalies and Dental traumatology	5.0 5.0	0.5 0.5	Theory
DREN M3 203	Fundamentals of Esthetics Dentistry and Color analysis	20 7.5	2.0 0.5	Theory Workshop
DREN M3 204	Restorations of Anterior teeth	10 7.5	1.0 0.5	Theory Workshop
DREN M3 205	Restorations of Posterior teeth Isolation and matricing systems Light-curing devices and techniques	15 7.5	1.5 0.5	Theory workshop
DREN M3 206	Restorative Clinics 3	105	7.0	Clinic
DREN M3 207	Basic Knowledge in Endodontics • Microbiology and Endodontics • Aethio-pathogenesis of Endodontic problems • Diagnosis in Endodontics. • Endodontic Emergencies • Rationale & Treatment Plan in Endodontics • Management of Endo Operatory and patient	5.0 5.0 5.0 5.0 5.0 5.0	0.5 0.5 0.5 0.5 0.5	Theory Theory Theory Theory Theory
DREN M3 208	Pain in Endodontics. Pain before, during and postoperative in. Conscious sedation in Endodontics.	20	2.0	Theory
DREN M3 209	Endodontic Clinic	105	7.0	Clinic
DREN M3 210	Literature review. Seminars. Case reports	30	2.0	Workshop
TOTAL HOURS / CREDITS		387.5	30.0	
FOURTH SEMESTER				
DREN M4 211	Restoration of endodontically treated teeth	5.0 7.5	0.5 0.5	Theory Workshop
DREN M4 212	Relation between orthodontics and esthetic dentistry	5.0	0.5	Theory

	Psychology in dentistry	5.0	0.5	
DREN M4 213	Restorative Clinics 4	90	6.0	Clinic
DREN M4 214	Retreatment in Endodontics	10	1.0	Theory
DREN M4 215	Microscopy in Endodontics/ Endodontic Material	10	1.0	Theory
DREN M4 216	Literature review. Endodontic seminars. Case reports	60	4.0	Workshop
DREN M4 217	Endodontic Clinic	90	6.0	Clinic
DISS M4 401	Thesis	250	0.0	Thesis
TOTAL HOURS / CREDITS		532.5	20.0	
FIFTH SEMESTER				
DREN M5 301	Interdisciplinary approach with restorative dentistry: - Teeth alterations of carious & and non-carious origin (erosion, resorption) - CAD/CAM and micro-abrasion - Geriatric dentistry and compromised patients	15	1.5	Theory
DREN M5 302	Restorative Clinics 5	105	7.0	Clinic
DREN M5 303	Stem cell and revascularization	10	1.0	Theory
DREN M5 304	SURGICAL ENDODONTICS 1 - Indications/ Flap design - Incision /Management of soft tissues/ sutures - Retrograde cavity. Retrograde filling material.	5.0 10 5	0.5 1 0.5	Theory
DREN M5 305	Literature review. Endodontic seminars. Case reports	52.5	3.5	Workshop
DREN M5 306	Endodontic clinic	75	5.0	Clinic
DISS M5 402	Thesis	250	0.0	Thesis
TOTAL HOURS / CREDITS		527.5	20.0	
SIXTH SEMESTER				
DREN M6 307	Single unit crowns from preparation to cementation	10	1.0	Theory
DREN M6 308	Forensic dentistry in conservative dentistry	10	1.0	Theory
DREN M6 309	Restorative Clinics 6	120	8.0	Clinic
DREN M6 310	Outcome of conventional and surgical procedures in Endodontics. Relation Endo-Perio, Endo-Ortho.	10	1.0	Theory
DREN M6 311	Literature review. Seminars. Case reports	15	1.0	Workshop
DREN M6 312	Endodontic clinic	120	8.0	Clinic
DISS M6 403	Thesis	250	0.0	Thesis
TOTAL HOURS / CREDITS		535	20.0-	
TOTAL NUMBER OF HOURS / CREDITS FOR THE WHOLE PROGRAM		2657	150	

8.5.9. Master in Forensic Medical Investigation and Disaster and Crime Scene Management (FMIC)

CODE	COURSE TITLE	HOURS	CREDITS	TYPE
FIRST SEMESTER				
FMIC M1 101	Law - Criminal procedures law - Law related to the protection of the crime scene and the preservation of criminal evidences	20	2.0	Theory
FMIC M1 102	Crime scene and steps of crime scene investigations - Definitions - Crime - Criminal - Crime scene - Criminal investigation - Physical evidence - Investigation and its relation with courts - Photography - History of photography - Principles of photography - Procedures in crime scene investigation - Reporting crime - Moving to crime scene - Searching crime scene - Photographs and documentation - Lifting evidence - Sending evidence to specific labs and courts	20	2.0	Theory
FMIC M1 103	Forensic medicine - History of forensic medicine - Coroner: - Definition - Missions - Relation with courts and forensic teams and police	10	1.0	Theory
FMIC M1 104	Death cases due to different accidents - Death cases - Suicide - Homicide - Asphyxia - Electric shock - Explosions - Wounds and injuries - Definition - Types of wounds - Firing distance estimation - Gunshot residue GSR analysis	10	1.0	Theory
FMIC M1 105	Practical and clinical studies Include three practical cases on crime scene investigation with forensic autopsy - First case (robbery) - Second case (suicide)	120	4.0	Workshop Clinic

	- Third case (homicide)			
TOTAL HOURS / CREDITS		180	10.0	
SECOND SEMESTER				
FMIC M2 106	Drugs and Toxicology - Drugs - Definitions - Types - Defection - Toxicology - Definitions - Types - Fatal ratio	20	2.0	Theory
FMIC M2 107	Firearms and explosives - Definitions - Types - Cartridges and bullets comparison - Gun shot residues (GSR)	10	1.0	Theory
FMIC M2 108	Practical and clinical studies Practical applications on preparing explosives and taking swabs from blasting hole and bullets and cartridge comparison	30	1.0	Workshop Clinic
FMIC M2 109	Fingerprints and DNA - Fingerprints - History of fingerprints identification - Definitions - Fingerprints lifting - Comparison and archiving (AFIS program) - DNA - Definitions - DNA swabs - DNA extraction - Results reading and comparison	20	2.0	Theory
FMIC M2 110	Forgery and falsification- Writing forgery - Definitions - Types - Handwriting and automatic writing - Documents analysis - Signatures - Currency forgery	20	2.0	Theory
FMIC M2 111	Practical and clinical studies Include practical exercises on taking DNA swabs and fingerprint lifting and documenting and results comparison from different cases.	60	2.0	Workshop Clinic
TOTAL HOURS / CREDITS		160	10.0	
THIRD SEMESTER				
FMIC M3 201	Arson and fire investigation - Definitions - Types of fires - Principles of fire investigation - Evidence detection after fire	10	1.0	Theory
FMIC M3 201	Disaster management - Definitions - Types and circumstances of disasters	10	1.0	Theory

	- Disaster management and approved procedures			
FMIC M3 202	Cybercrimes - Definitions - Electronic networks - Different electronic crimes	10	1.0	Theory
FMIC M3 203	Security and safety actions in crime scenes - Danger sources in crime scenes - Types of dangers in crime scenes - Appropriate equipment for toxins and toxic gases	10	1.0	Theory
FMIC M3 204	Body remains and cadavers - Investigation in missing people and body remains - Determination of bones manes and age of body parts and body remains - Effects of soils on determining corpse age - Effects of insects on determining corpse age and degradation	10	1.0	Theory
FMIC M3 205	Practical and clinical studies Practical applications and visits to special forensic departments and labs to learn about their internal procedures, results comparisons and interpretation	60	2.0	Workshop Clinic
FMIC M3 206	Practical and clinical studies Workshops on bomb scene management after a terroristic act. - Workshop 1 (bomb scene investigation at the Lebanese University) - Workshop 2 (bomb scene investigation at the Lebanese University) - Workshop 3 (practical bomb scene management in firing range in Bekaa Valley)	100	3.0	Workshop Clinic
TOTAL HOURS / CREDITS		210	10.0	
FOURTH SEMESTER				
FMIC M4 207	Practical and clinical studies Visit to a referent forensic institute with practical exercises and workshops	60	2.0	Theory Workshop
FMIC M4 208	Practical and clinical studies Graduation project with a mentor supervision	110	4.0	Theory
TOTAL HOURS / CREDITS		170	6.0	
TOTAL NUMBER OF HOURS / CREDITS FOR THE WHOLE PROGRAM		720	36.0	

9. COURSES AND EXAMS ORGANIZATION

9.1. Attendance at the theoretical and clinical courses

Attendance in theoretical courses is compulsory. It is possible to authorize a maximum of 10% absence of the total number of hours per course. Any sanctioned resident cannot take the written exam. Full attendance of total number of hours in clinical, practical, and workshop courses is mandatory. Moreover, it is not acceptable to miss without a legitimate excuse.

9.2. General rules

The three-years program for obtaining the master's degree in a dental specialty includes theoretical courses, practical work, seminars, and clinical work.

Credits are awarded to each course which includes theoretical courses, practical work, seminars and clinical work. Each credit validates 10 hours of theoretical lessons, 15 hours of practical work or preclinical sessions, or 15 hours of clinical work.

9.3. Theoretical exams calendar

An exam calendar mentioning the date, place, and time of each test is posted on the notice board and on the website one month in advance. Exams are set for all Masters programs at the same time.

A completion session will be scheduled during the week following the results announcement by the University Council.

In compelling circumstance where the test must be canceled and / or postponed, the residents will be informed about the new upcoming date as soon as possible.

At the end of each semester a reading period of 10-15 days is scheduled before each series of final exams.

9.4. Administrative organization of the written exam

The administrative organization of the written exams is handled by the student affairs employees. The role of the latter is to:

- Prepare the examination rooms (reception and seats distribution of residents)
- Select the monitors of the exam room

- Provide the necessary material for conducting of the exam according to the needs of the test in order to ensure the anonymity of the copies.
- Monitor the exam: supervision is provided by at least two monitors per room. The presence of a teacher from the department concerned is also desired throughout the duration of the test.
- Ask the resident to put aside cell phones, smart watches, electronic storage devices, any document, material and / or personal staff likely to contain information (bags, pencil cases, clothes, etc.)
- Let residents sign at the room entrance or at the start of the exam. They must verify that the number of signatures corresponds to the number of residents present in the room.
- Ask residents to place their resident cards on their tables.
- Ask the resident to write his name in English or Arabic and his university registration number in a predetermined place at the right top of the exam copy before closing it with glue to preserve anonymity.
- Prohibit the resident from leaving the room once the copies have been distributed.
- Prohibit the resident from remaining in the room once the copy of the exam has been submitted
- Collect the copies at the end of the test and put them back in the corresponding envelope on which the date, the number of residents who presented the test, the name and signature of the monitors as well as the title of the course and academic year are mentioned.

In the event of major or attempted fraud, the monitor responsible for the room may withdraw the exam copy at any time. The fraud must be reported and subjected to disciplinary actions by the Dean and the Faculty Council.

9.5. Methodology of the written exam

Theoretical exams include multiple choice type questions, true or false type questions, complete or essay questions type. An exam copy must be submitted to the office of the General Secretary two weeks before the date of the exam.

The composition of a theoretical exam must comply with the following criteria:

- The duration and grade of each question are written on the exam copy
- Each corrector puts in the exam envelope the grade scale criteria for all questions asked as the answer key for multiple choice questions and the assessment criteria for the analytical and subjective questions
- It is up to each department to determine the type and nature of the questions according to the subject toughness.

9.6. Delay for a written test attendance

Access to the exam room is prohibited for any resident after opening the envelope of the exam copies. However, the monitor and / or the teacher may, exceptionally, and when the delay is related to an event beyond the control of the resident, authorize the latter to enter the room.

9.7. Absence on written exam

The resident who has presented a legitimate excuse accepted by the Faculty Council has the right to present a completion examination during a special catch-up examination session prior to the deliberation and announcement of the results. To pass he/she must have a minimum score of 60/100. The resident who is absent for both the initial and the catch-up examination session with an accepted legitimate excuse by the Dean and the Faculty Council must, in order to pass the following first examination, obtain a grade score of 60/100 in any subsequent examination.

Failure of a resident to attend an initial examination without legitimate excuse gets a grade of zero and fails the course. He/she will be able to sit for a completion exam after the announcement of the results, at the end of each semester. The condition for success is to have an average of 60/100 on the completion exam.

The legitimate excuses are:

- The death of a relative of the first-degree family
- Emergency situations and accidents.

Supporting documentation must be presented to the administration within a period not exceeding 72 hours from the date of his/her absence. In the event of illness, he/she must provide a medical report certified by one of the doctors accredited by the Faculty.

The final decision to accept or reject any excuse for absence shall be taken by the Dean or the Faculty Council. This Council's decision will be deemed final and irrevocable.

9.8. Exam answers protocol

1. The questions are numbered, written integrally, and underlined (MCQs are excluded)
2. The questions must be answered in order
3. Using abbreviation is forbidden
4. The handwriting must be clear

5. Punctuation is a must
6. The copy must be returned clean and unblemished at the end of the examination at the precise time
7. Anything written on the back of the question page is not taken into consideration by the corrector.
8. Any distinctive sign on the exam copy identifying the resident must not be recognized.

9.9. Correction of the written exam

The correction is made within two weeks after the exam. All copies are corrected in the Dean's office only. Each teacher corrects the questions related to his/her part of the course and according to the grades distribution mentioned on the exam copy.

The masters coordinator or Head of Department adds up the grades and reevaluates the correction before submitting the copies to student affairs.

At the student affairs office and in the presence of student affair officer, masters coordinator or head of department opens the exam copies and transfer the grades to the class list. Then, this list will be rechecked, signed and dated by masters coordinator or the Head of Department and the person in charge of student affairs.

The masters coordinator or head of department establishes the final grade for the course by adding the grade of continuous assessment according to the percentage approved by the board. The final grade is submitted to the student affairs department and to the informatic technology office.

The results are copied on a computer base software provided for this purpose and the documents used as support for deliberation are prepared. The results of the grades will be released and announcement after approval and signature of the Dean.

The residents can present a written request asking for a second correction of their copies within three days after the results have being announced. The second correction is done following the submission of the request to the student affairs office and after approval by the Dean.

10. MASTER'S DEGREE VALIDATION

10.1. Introduction

At the end of each semester, a statement of all the grades for the theoretical, practical, pre-clinical and clinical exams will be recorded electronically by the IT department, then printed on paper. The final grade for each course is established. Thereafter, the Faculty Council meets to deliberate. The opinions expressed during the deliberation are not made public. The decisions of the Faculty Council are final and irrevocable.

The curriculum of the master's degree is composed of theoretical, workshop, seminar, practical, and clinical components. The course consists of one or more than one component combined.

Evaluation of the theoretical component is divided into a final examination and a continuous assessment. The practical component evaluation is divided into oral, practical, and continuous assessment. Clinical component evaluation is divided into a final examination and a continuous assessment.

10.2. Grade distribution

10.2.1. Evaluation of theoretical course

The final grade of a theoretical course is divided into 70% final exam and 30% continuous assessment.

Unannounced drop quizzes can be executed any time and considered as 10% of the 30% grade of the continuous assessment evaluation and the remaining 70% is that of the final written exam.

A final exam that covers all the chapters taught in each course is scheduled at the end of the semester.

10.2.2. Evaluation of practical, workshop, and seminars courses

The percentage distribution of the final grade (100 grades) of the practical or / and workshop or / and seminars course is as follows:

- Continuous assessment per semester: 60% (this grade follows certain predetermined criteria which are released and announced to residents at the beginning of the semester)
- Final exam: 20%
- Oral exam: 20%

10.2.3. Evaluation of clinical course

The percentage distribution of the final grade (100 grades) of the clinical course is as follows:

- Grading in the clinics for every clinical session is done to sum up and represents 60% of the final grade
- Final clinical exam represents 40%.

The clinical grade for each semester includes several assessments:

- Clinics: the resident must perform one or more clinical acts on which he will be evaluated according to predetermined evaluation criteria
- Oral: the resident is subject to oral questions and the procedure of this exam is specific to each master
- Evaluation of the resident by the teacher in charge: who analyzes the resident's performance and competence according to a pre-determined scoring grid
- Number of clinical cases performed: each resident has an internship notebook on which his/her clinical procedures performed and validated by the teacher responsible for the case are noted. Based on the number and grade of these procedures, the master's coordinator establishes the grade after considering the fulfilled requirements.

10.3. Semester validation

The duration of studying the master's degree is a maximum of 8 semesters.

A resident would fail the academic semester if he had an average grade of less than 60/100 in all practical and clinical courses. He/she can retain all theoretical courses in which he/she succeeded with a grade score more than 60/100.

A resident would fail in a theoretical course if he/she had less than 60/100 and has the right to attend a completion exam for two times only. He/she is considered academically dismissed from the master program if he/she fails to succeed the course after the two completion exams.

If a resident fails in the exam of a certain course, he/she can retain the continuous assessment grade so that the final grade will be that of the completion exam and the continuous assessment exam.

A resident requesting a completion exam will apply in a date scheduled by the Faculty Council. To succeed he/she has to earn at least 60/100 on every theoretical course to be promoted to the next semester.

A resident cannot be promoted to the next semester if he/she failed in three or more theoretical courses whereas he/she can retain his/her practical and clinical grade if he/she succeeded it.

A resident cannot attend the final clinical exam if he/she didn't achieve his/her requirements specified before by each department.

10.4. Thesis

A jury proposed by the Head of Department and approved by the Dean of the FDM includes a president, tutor, juror, and second reviewer. The second reviewer evaluates the thesis proposal and gives his/her grade. As for the plagiarism it is either accepted or rejected.

The date for the defense of the thesis is fixed 15 days in advance, once the documents have been validated by the thesis director and approved by the Dean.

The defense is public, bringing together family members, colleagues, and friends.

At the end of the defense, the jury deliberates and grades the thesis according to a grading grid. A score greater than or equal to 12/20 is necessary for the thesis validation. If not, the thesis must be repeated.

11. ORGANISATION OF THE DENTAL CARE CENTER

11.1. Files management

Each patient has a file on the dental software used at the FDM which contains all the medical information, the precautions, and the various clinical procedures performed. Medical information is updated and validated after each interruption of more than one month of care.

11.2. Appointment management

The resident must schedule another appointment with the patient he/she has just treated. If the patient is absent, the reason for this absence must be mentioned in the software.

11.3. Fees management

The patient will have to pay for the care provided, according to the price list displayed. Each conflict must be dealt immediately with the clinical service coordinator.

11.4. Cubicle management

At the end of each session, the resident must:

- Switch off the operating light
- Clean and sterilize the dental chair and work surfaces
- Empty the cubicle of all personal items.
- Close windows

At the end of each day, the resident must:

- Turn off the computer
- Clean the suction filters of the dental chair
- Put the chair in the highest position

Under no circumstances should the patient's documents and / or personal items stay on the bench.

The cleaning service is authorized to throw away any object lying around in the box (plaster models, cleaning products, personal items).

Recommendations for dental chair maintenance

- Clean the vacuum cleaner filter twice a week (including once, on the last day of the week).
- Switch off the operating light each time when you leave the cubicle.
- Avoid cleaning the spittoon with solutions containing acids.
- Do not leave any object that could hinder the movement of the chair.
- Immediately notify the maintenance team if the dental chair malfunctions.

11.5. Emergency call numbers

In an emergency situation, the resident must know the emergency call numbers to reach to help the emergency service intervene in best conditions and as quickly as possible.

The emergency numbers are:

- Red Cross: 140
- Civil defense: 125
- Homeland security: 112
- Firefighters: 175
- For maintenance service, call: 03/002832 for control and monitoring service or 2802 for internal maintenance service

12. RESIDENT HYGIENE

Dentistry is probably the profession where the practitioner is in the closest position to the patient. Therefore, he must apply strict hygiene rules.

For female residents, make-up should be as discreet as possible. The nails should be short, clean, and neat. Varnishes are prohibited. The hair should be held in a loop (in a bun). Wearing bracelets, rings, necklaces is strictly prohibited. The earrings must be discreet and completely covered by the cap.

For male residents, the nails should be short, clean, and neat. A resident without a beard should shave every morning whereas that with a beard or a goatee should trim it regularly.

Protective goggles and gowns must be removed outside the dental care center.

Oral hygiene measures are required throughout the residents' presence at the Faculty.

“Regular” clothes must be decent.

13. INFECTION CONTROL

The goal of infection control is to protect patients, residents, teachers, and administration staff.

All teachers and residents must be vaccinated against hepatitis B and Covid-19. For this reason, at the start of the first academic year, the Faculty provides vaccinations free of charge for newcomers.

13.1. In the practical work room

The rules of hygiene must be applied as follows: (Annex)

- The bench must be clean and disinfected with a disinfectant
- The products and materials required will be placed on a clean white napkin or disposable white roll towel paper
- The instruments used in the practical work must be clean
- The film protector must be changed, and the X-ray device disinfected after each use during practical radiology work.

13.2. In the dental care center

Contamination in the dental center is a major risk and depends on several factors:

- Different residents use the same chair
- The resident has to leave the operating room to communicate with the patient
- The same equipment is used by several practitioners.
- Several practitioners can intervene in the same clinical procedure

Before entering to the clinic, residents are responsible for infection control measures related to the patient and the surrounding environment.

Information concerning the infection control recommendations will be available and within the reach of the resident by the following methods:

- A detailed PowerPoint presentation on infection control recommendations
- A special presentation on COVID
- A list of products and equipment essential for clinical infection control
- A detailed guideline of infection control and sterilization recommendations. The guidelines cover several issues related to infections, their transmission, and methods of prevention.

An evaluation system on the respect and adherence of residents to recommendations, sterilization control, and sterilizer efficiency are already conducted at the Faculty and allow for rigorous and continuous inspection.

14. EXTRA MURAL ACTIVITES

FDM staff and residents participates in various national, regional, and international congresses and scientific activities during which flyers, describing the different masters' specialties and the registration procedures, are distributed. A group of teachers and residents are available to provide additional information on the academic programs of each specialty.

15. PUBLIC SPACES

15.1. Library

The central library is located in the university campus. It is common to the Faculty of Dental Medicine and to the Faculties of Medicine, Pharmacy and Public Health.

The mission of the library is to acquire, manage, conserve and make available documentary resources useful for teaching and research in the field of dentistry and health sciences.

Employees in charge of the library provide a training service to help and support users in mastering and using new information and communication technologies as well as access to online documentation.

15.2. Cafeteria

Drinks, food, and chewing gum are strictly prohibited throughout the Faculty. A cafeteria (for those who want to eat on the spot) and a refectory hall (for those who want to bring their meal with them) are provided for this purpose.

Access to the cafeteria and refectory hall is in formal attire or in uniform with a white lab coat. The cafeteria has been closed for several years. However, fifth-year students have the option of selling treats in the cafeteria, with the Dean's approval, in order to cover part of the cost of the promotion night. Since the Covid-19 pandemic the cafeteria is closed.

15.3. Access to smoking area

Smoking is strictly prohibited outside the smoking areas located on level 1 for residents and on level 2 for teachers.

Access to this space must be done either in formal attire or in a white lab coat.

16. CAMPUS LIFE

16.1. Sports activities

On the Lebanese University campus, a sports club is open for residents all week. This club has a swimming pool, a gym, a tennis, volleyball and basketball playgrounds, ...

The Faculty of Dental Medicine encourages residents to organize and participate in sports activities.

Over the past four years, the Faculty has participated in:

- Independence Marathon: winning cups and awarding medals

- Hadat Independence Marathon: winning cups and awarding medals in May (To celebrate the feast of the Creation of the Lebanese University)
- Annual Marathon of the Faculty of Dental Medicine under the patronage of the Rector of the LU
- Cycling
- Swimming competition
- Annual independence swimming competition in which the first prize was awarded to a student of the Faculty
- Volleyball and football tournaments between students and teachers

16.2. Social and religious activities

The Faculty of Dental Medicine encourages social life between residents and teachers. In this context, teachers can participate in social and religious evenings and activities.

Annual celebratory activities:

- Christmas celebration
- Christmas mass
- Gala evening (Graduation)
- Prophet's birthday celebration
- Independence Day
- Feast of Saint Barbara
- Bake sale
- Ashura
- Eid al-Fitr

Cooperation mission with humanitarian objective: free dental care offered, by residents of the masters, for people affected by the explosion of August 4, 2020 in a mobile dental clinic offered, for a period of 3 months, to the Faculty of Dental Medicine by The Australian company " Teeth on wheels ”.

16.3. Cultural activities

- Annual publication of the students newspaper
- Participation in "The Middle East Cultural North Africa Dentsply" in which the second prize was awarded to a resident in the Faculty (2018)
- Participation in the "MEDFEST Health Days" 2020
- Participation of master's residents in the international congresses of the Faculty, in the Lebanese Dental Association congress, and in different specific congresses of specialties (posters and oral presentations). Several prizes were awarded to FDM residents

16.4. Association of Graduated Dentists of the Lebanese University

The Association of Graduated Dentists of the Lebanese University approved on 6/2/1988 is a non-profit association.

Any graduate of the Faculty (Dental Surgeon, Master, and Doctorate) has the right to be a member of ADDUL. It currently has over 1,100 graduates registered in the Lebanese Dental Association in Beirut and in North Lebanon.

It aims to strengthen the bonds of cooperation and harmony between graduates, to promote a better position and representation of graduates in the Lebanese Dental Association, and to organize social and educational activities.

It annually organizes social and cultural activities including a theatre play in which gifts are distributed to children of the graduates and employees of the Faculty of Dental Medicine.