

RECRUITEMENT MODALITIES FOR APPLICANTS TO SPECIALIZED STUDIES SPECIALTY MASTER – YEAR ACADEMIC 2022-2023

Specialized Master studies are full-time programs comprising 21 to 24 hours weekly (lectures, preclinical and clinical sessions, oral presentations, clinical cases presentations, articles publication; please refer to post-graduate studies rules).

The completion of work on a thesis is required at the conclusion of the Specialty Master program studies, at the end of the 6th semester, after succeeding at and validating the totality of the required credits.

1. The applicant should fill out a form indicating one or more choices by order of priority.
2. Theoretical competences acquired during undergraduate studies are specified for each discipline for the written examination
3. Clinical and/ or practical examinations are clearly enunciated for each discipline.
4. The analysis of a scientific article
5. An interview is conducted and graded according to an evaluation table.
6. The applicant's file should be deposited at the administrative offices of the Faculty of Dental Medicine in care of Mrs Souad HAJJ MOUSSA FEGHALI with the following documents:
 - *Doctor in dental surgery degree (DDS) or its equivalent attested by the Ministry of Higher Education at UNESCO.*
 - *Lebanese Baccalaureate part two or its equivalent validated by the Ministry of Higher Education at UNESCO*
 - *Grades obtained during the last three years of study.*
 - *Two letters of recommendation emanating from two of the following: (not applicable to students of the Faculty).*
 1. *The head of the establishment where the DDS degree was obtained .*
 2. *The head of the department for the specialty being applied for, at the establishment where the DDS degree was obtained.*
 3. *A professor at the establishment where the DDS degree was obtained.*
 - *Join if applicable any post-graduate degree obtained previously.*
 - *Identity card.*
 - *Two passport-format pictures of the applicant.*
 - *An application fee of 100.000 Lebanese pounds.*

- **Applicants' selection**

Selection is performed by classification according to the scores obtained for items 2, 3, 4, 5. Examinations for items 2, 3 and 4 are held during the month of September 2021.

- A general mean score is calculated based on the following percentages:

<i>Article analysis by the applicant</i>	20%
<i>Applicant's interview</i>	20%
<i>Applicant's file evaluation</i>	20%
<i>Written examination</i>	20%
<i>Clinical or practical skills examination</i>	20%
- *Any previously obtained post-graduate studies degree as well as any period of post-graduate professional experience will be taken into consideration during the evaluation.*
- *In case of a tie between applicants to a specialty program in the general mean score calculated over a total of 20 points, the applicants having stated said specialty as their first choice for post-graduate studies will be favored.*
- *The Heads of department and post-graduate study programs directors for each specialty decide with the Dean's agreement of the number of candidates to admit after the selection process is completed.*

If a Department would like to admit a foreign student to its specialty program, and if there is none amongst the selected candidates, the Department is authorized to accept the student(s) based on the highest scoring foreigner, conditional to the score being equal or higher than 10/20.

- **Article analysis**

A printed English language article is assigned to the applicant who has 1h30 (one hour and thirty minutes) to read and synthesize the article, then answer questions attached to said article.

When exiting the examination room, the applicant gives the printed article along with the answered questions to the examination coordinator in the room. The Faculty's secretariat will take the necessary dispositions to guarantee anonymity and confidentiality of the examination correction process.

- **Interview**

The interview aims at evaluating the applicant's motivation concerning their chosen field of specialty, their cultural background, their professional goals and their vision for their future.

- **INTERVIEW OBJECTIVES**

- *Verifying the applicant's analytical, synthetic and critical capabilities, and evaluating their degree of knowledge and self-assurance in addition to their mastery of languages.*
- *Forming an opinion concerning motivation and capacity for work.*
- *An evaluation table consisting in «appreciations» is converted at the end of the interview into a score, which will be accounted for in the final score according to its preestablished coefficient.*

Master's degree in Endodontics: Admission Requirements *Academic year 2022-2023*

1. Theoretical competence (written exam)

- Preparation for the endodontic procedure
 - Sterilization
 - Radiography
 - Anesthesia
 - Medical emergencies
 - Diagnosis in endodontics
 - Ergonomics
 - Operating field

- General principles including
 - The canal anatomy
 - Root canal Access
 - Canal shaping
 - Canal obturation

- **Examination regimen**

The basic sciences session (tronc commun 1) includes several courses. To validate the specialty Master's results, passing successfully this examination is mandatory with a grade equal to or above 10/20 in each subject matter.

The student who has obtained a grade below 10/20 in one or several courses has the right to submit to a make-up examination session in the two weeks following publication of the first examination's results

The student can be on probation period only once within a given program.

2. Practical competence (preclinical examination)

Coronary access + preparation and filling of an extracted monoradicated tooth.

❖ **Equipment**

The candidate must have 3 simulators (RESIN BLOCKS) and the necessary instrumentation to perform the requested act (NiTi motor included).

Master's degree in Pediatric Dentistry *Academic year 2022-2023*

➤ **Theoretical Knowledge (written examination)**

- Child psychology (anxiety, pain, simple behavior management techniques)
- Introduction to traumatology (principles and classifications)
- Introduction to prevention (fluoride and tooth brushing)
- Introduction to occlusal guidance (space maintainers)
- The dentition (anatomy and physiology of primary and permanent teeth)
- Simple tooth extraction

• **Examination regimen**

The basic sciences session (tronc commun 1) includes several courses. To validate the specialty Master's results, passing successfully this examination is mandatory with a grade equal to or above 10/20 in each subject matter.

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➤ **Practical Competence (preclinical work examination)**

- Simple wire bending
- Cavity preparation on primary teeth
- Primary tooth pulpotomy

For this examination, the candidate should have the necessary instrumentation as well as two extracted primary teeth with at least three quarters of the roots present (one anterior and one posterior tooth).

Master's degree in aesthetic and prosthetic dentistry *Academic year 2022-2023*

Fixed Prosthodontics

➤ **Theoretical Knowledge (written exam) duration:30mn**

- Different preparations in fixed prosthodontics.
- Cervical finish lines.
- Provisional restorations.
- Impression techniques.
- Post and cores and build-up techniques.
- Cementation and bonding materials in fixed prosthodontics.
- Pontics design.
- Etiology and pathology of the neuro-muscular and articulation dysfunction.
- Occlusal appliances. Les gouttières occlusales.

• **Examination regimen**

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➤ **Laboratory competences (bench exam) duration: 3 hours**

- Full coverage preparation on upper 1st molars, incisors and canines.
- Full coverage preparation on upper 1st premolar.
- Temporary restoration on the prepared tooth.
- Cast mounting on semi-adjustable articulator.

❖ **Instruments needed for the Fixed prosthodontics bench exam:**

- ✓ Typodont with a complete set of upper and lower teeth. (frasaco)
- ✓ High speed + slow speed contra-angle (2 holes)
- ✓ Diamond and carbide burs for full coverage preparations.
- ✓ Cold-cure acrylic with rubber dappen dishes for temporaries.
- ✓ Semi-adjustable articulator.
- ✓ Universal pliers.
- ✓ Sable brushes.
- ✓ Spatulas.
- ✓ Acrylic burs.
- ✓ Polishing wheels.

Restorative and Esthetic Dentistry

➤ **Theoretical skills (theoretical exam) Duration 30mn**

- Choice of direct materials in DRE
- Dental amalgams
- Composites
- The different preparations for direct techniques
- Direct complex cavities
- Choice of indirect materials
- Dental ceramics
- Ceromers
- The principles of preparations for inlays
- The principles of preparations for veneers
- Whitening of vital teeth
- Whitening of root treated teeth
- Pulp capping
- Dental adhesives

● **Examination regimen**

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➤ **Practical Skills Duration 2h**

- ❖ Preparation and filling of a class I cavity on a molar
- ❖ Preparation and filling of a class II cavity on a molar
- ❖ Preparation and filling of a class III cavity on anterior tooth
- ❖ Preparation and obturation of a class IV cavity on upper central
- ❖ Preparation and filling of a class V cavity
- ❖ Preparation and filling of a complex Amalgam cavity
- ❖ Preparation and filling of a MOD cavity in Amalgam and composite

❖ **Material required for the DR competition**

- Burs for preparation of cavities for composite and amalgam and polishing material for composite
- Silicone tips for polishing
- Matrices of thickness 0.045 and width 7mm + Matrix holder
- Matrices celluloid
- Wooden wedges
- Instruments for obturation
- Light curing units

PROTHESE AMOVIBLE - adjointe

➤ **Theoretical competence (written exam) duration 30mn**

- **Partial prosthesis**
 - Clinical examination of a removable partial denture.
 - Choice of the insertion axis in removable partial prosthesis.
 - Preprosthetic preparation of a removable partial denture.
 - Choice and indications of the elements of a removable partial denture (main and secondary retainer, clasps, occlusal and mucous rests).
- **Complete denture**
 - Impression techniques in removable partial denture.
 - Clinical examination of an edentulous patient.
 - Impression techniques in complete denture.
 - Intermaxillary relationships in complete denture.
 - Articulator and mounting of the teeth.
- **General**
 - Dental materials in removable prosthesis.
 - Implants and complete denture

- **Examination regimen**

The basic sciences session (tronc commun 1) includes several courses. To validate the specialty Master's results, passing successfully this examination is mandatory with a grade equal to or above 10/20 in each subject matter.

The student who has obtained a grade below 10/20 in one or several courses has the right to submit to a make-up examination session in the two weeks following publication of the first examination's results

The student can be on probation period only once within a given program.

➤ **Practical competence (preclinical examination) duration 2 hours**

- Creation of an acrylic denture on a phantom (clasp, wax and setting of teeth).
- impression of a removable partial denture: drawing of the frame, surveying of a dental cast, realization of a special tray.

❖ **Material required for the Removable Prosthesis competition:**

- ✓ Wax knife, Zahle, PKT, LeCron
- ✓ Clasps pliers: Cutting pliers, 3 beak pliers, bird beak pliers
- ✓ Micro-motor with straight handpiece and low-speed handpiece
- ✓ Acrylic burs (different shapes)
- ✓ Colored pencils
- ✓ Pencil
- ✓ Round and cylindrical burs for low-speed (different sizes)
- ✓ Godet for acryl
- ✓ Metallic spatula
- ✓ Glass Mixing slab
- ✓ articulating paper



Université Saint-Joseph

SAINT JOSEPH UNIVERSITY
Faculty of Dental Medicine
Orthodontic Department

Master's degree in in Orthodontics
Preparatory session 2022 - 2023

June 2022

THEORETICAL AND PRACTICAL TESTS

It represents 50% of the total of the grade.

- **Theoretical competences** They cover the following notions:
 - Orthodontic terminology
 - Craniofacial growth
 - Dentition development
 - Establishment of occlusion
 - Etiology of malocclusions
 - Clinical examination
 - Céphalométrie
 - Orthodontic diagnosis
 - Treatment plan
 - Biologic basis of the orthodontic treatment
 - Preventive orthodontics
 - Interceptive orthodontics
 - Corrective orthodontics
 - Orthodontics and other disciplines
 - Orthodontic failure, relapse and retention.

Work to refer to:

- 1- Orthodontics: Current Principles and Techniques – GRABER T.M. – Mosby 1994
- 2- Céphalométrie et Orthodontie : LOREILLE J.P. – SNPMD 1992
- 3- Contemporary Orthodontics – PROFFIT W.R. – Mosby 1993
- 4- Anatomie Céphalométrique Téléradiographique – VION P.E. – SID 1997

- **Practical Competences** They include :
 - **Radiology:** recognizing the bony structures and the reference plans and reference points.
 - **Wire bending:** Carry out different configurations with orthodontic steel wires.

MATERIAL LIST (*At the candidate's expense*)

Wire bending :

- White scrub.
- Hard wire cutter plier.
- 105 G plier.
- Tweed plier.
- Optical plier type Orthopli.
- 442 pliers (2).
- Round wire .018"
- Round wire.016"
- Rectangular wire .016x.022"
- Rectangular wire .019x.025" - Indelible thin marker.
- Bristol paper: 5x5 mm square.
- Glass plate with a thickness of 1cm and dimensions 12x15cm.
- Transparent sticky tape.
- Graph paper.

Radiology:

- Mechanical pencil with lead 2HB.
- Transparent sticky tape and plastic eraser.
- Millimeter ruler and protractor.

Program

48 hours – 1 credit – 1st semester

Nb Hrs	Chapters
15	Radiology
33	Wire bending

Week 1	July 4	July 5	July 6	July 7	July 8	July 9
09:00;12:00	Radiology 1	Radiology 2	Radiology 3	Radiology 4	Wire bending 5	
13:00;16:00	Wire bending 1	Wire bending 2	Wire bending 3	Wire bending 4	Wire bending 6	
16:00;19:00						

Week 2	July 11	July 12	July 13	July 14	July 15	July 16
08:00;09:00				Article analysis	Written exam 7:30;8:30	
09:00;12:00			Radiology 5	Wire bending 8	Wire bending 10	
13:00;16:00			Wire bending 7	Wire bending 9	Wire bending 11	
16:00;19:00						

Week 3	July 18					
09:00;12:00	Interview	Radiology & Wire bending exam Ortho room				
13:00;16:00						
16:00;19:00						

The program of the entrance exam is distributed by the administration.

RADIOLOGY

Introduction.

1. Definition.
2. Principles of cephalometric radiography:
 - 3.1. Focal distance.
 - 3.2. Object – Film distance: cephalostat.
 - 3.3. Focus – Film distance (constant).
3. Cephalometric imaging system:
 - 3.1. X-ray generators.
 - 4.2. Head holder: cephalostat.
 - 4.3. Image receptors.
 - 4.4. Filters.
4. Cephalometric incidences:
 - 5.1. Lateral.
 - 5.2. Frontal.
 - 5.3. Axial.
5. Patient positioning for lateral cephalometry.
6. Accuracy of cephalometric analysis.
7. Radiographic anatomy.
Lateral
8. Cephalometric landmarks and planes:
On lateral cephalogram
9. Cephalometric tracing technique:
 - 9.1. Tracing material list.
 - 9.2. Tracing execution: Rules to respect.
 - 9.3. Structures to be drawn:
 - 9.3.1. Cutaneous profile.
 - 9.3.2. Soft tissue.
 - 9.3.3. Frontal and nasal bone.
 - 9.3.4. Lateral orbital and roof margins.
 - 9.3.5. Hard palate, upper incisor, canine, premolar and upper molars.
 - 9.3.6. Mandible: lower incisor, canine, premolar and lower molar.
 - 9.3.7. Sphenoid bone and pterygomaxillary fissures.
 - 9.3.8. Occipital bone:
 - 9.3.9. Porion, external auditory canal and internal auditory canal.

Master's degree in Oral Surgery *Academic year 2022-2023*

➤ Theoretical exam:

Exodontia

- Anesthesia in oral surgery (anesthetic products, techniques and complications)
- Asepsis and sterilization
- Simple and difficult extractions (roots, apices): instrumentation, principles and techniques
- Removal of erupted wisdom teeth
- Complications of dental extractions and post-operative recommendations

Oral surgery

- Instrumentation in oral surgery
- Applied pharmacology (antibiotics, analgesics and anti-inflammatories)
- Preparation of a surgical intervention (premedication, radiographic examination, additional examination)
- Incisions and sutures (principles, materials and techniques)
- Oral wound healing
- Multiple extractions and alveolectomies
- Surgical extractions (impacted wisdom teeth, other impacted teeth)
- Endodontic surgery (surgical rationale)
- Pre-prosthetic surgery (soft and hard tissues)
- Odontogenic and non-odontogenic **Cysts and tumors** (differential diagnosis and treatment modalities)
- Oro-antral communication
- Oral implantology: pre-implant assessment, biological concepts, basic surgical techniques.

➤ Practical Exam:

- Incisions and sutures on animal jaws
- Preparation of surgical tray

Required material for practical exam

- 2 4/0 silk sutures
- 1 needle holder
- 1 periosteal elevator
- 1 pair of scissors
- 1 scalpel handle + n° 15 blades
- 1 tissue plier
- 1 pork mandible (with tongue) **preferably** cut in half
- 1 mask
- 2 pairs of gloves