SYRIAN ARAB REPUBLIC

**Damascus University** 

**Faculty of Dental Medicine** 

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الجممورية العربية السورية



كليسة طب الأسنان



2014-2015

Consisted of 23 pages

### To whom it may concern

This document certifies that Dr. \_\_\_\_\_had attended the Faculty of Dental Medicine- Damascus University between n the years 20 -20 We confirm that Dr. \_\_\_\_\_studied the attached curriculum, for undergraduate dental course leading to Doctor of Dental Surgery (D.D.S) at the Faculty of Dental Medicine-Damascus University.

/ Vise Dean for Scientific Affairs

**Dean of Faculty of Dental Medicine** 

**Prof. Dr. Mohannad Laflouf** 

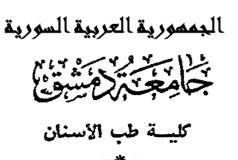
Prof.Dr. Khaldoun Mhd Atef Darwich

#### SYRIAN ARAB REPUBLIC

**Damascus University** 

### **Faculty of Dental Medicine**





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#### Learning objectives:

The goal of dental education is to produce dentists who are prepared to serve the fundamental purposes of dental medicine. In addition, dentists must possess the attributes that are necessary to meet their individual and collective responsibilities towards society. Emerging from this belief comes the basic aim of the dental faculty at Damascus University which is to graduate highly qualified dental professionals who are knowledgeable, skillful, dutiful and above all altruistic.

In order to fulfil the above mentioned goal, specific learning objectives have been set and developed by the faculty to be implemented through the different study stages of the student at the faculty through the five successive academic years.

#### The main learning objectives include:

- I. To graduate socially and ethically sensitive and responsible highly qualified dental professionals who will be dedicated to serving others in the community.
- II. To provide students with good knowledge of the principles that govern ethical decision making and of the major ethical dilemmas that are faced in the field of dentistry.
- III. To create dental professionals who would care for compassionate treatment of patients and respect their privacy and dignity.

IV. To provide students with good knowledge of:

- Normal structures and functions of the body including major organ systems.
- Molecular, biochemical and cellular mechanisms that take place within the body.
- The altered structure and function (pathology and path physiology) of the body and the oral cavity.
- Relieving dental pain and minimizing the suffer of patients resulting from acute infections.
- The epidemiology of common oral diseases within a defined population and following systematic approaches which are useful in reducing the incidence and prevalence of such diseases.

V. To help dental students have the appropriate skills for:

- Obtaining accurate medical and dental history that covers all aspects related to oral health.
- Performing complete extra and intra oral examinations.

- Interpreting results of commonly used diagnostic procedures including laboratory tests and radiographs.
- Seeking consultation from other physicians and different health professionals when needed and indicated.
- VI. To enhance dental students' abilities in clinical diagnosis, treatment planning and delivery of clinical care.
- VII. To prepare trained students to become qualified general dentists who would treat patients with basic safe treatment requirement in various dental disciplines which could be summarized as follows:
  - To be able to perform restorative and root canal treatment for different age group patients.
  - To be able to carry out removable and fixed prosthodontic treatment including partial dentures, complete dentures as well as bridges, crowns and post crowns.
  - To be able to manage the child patient and execute the necessary needed treatment for such target group including restorations, pulpectomies, space maintainers, orthodontic treatment and extractions.
  - To know how to do dental professional teeth cleaning procedures as scaling and root planning.
  - To be capable of performing simple extractions and minor oral surgeries for unrestorable teeth.
  - To be capable of dealing with medically compromised patients and seeking consultation when needed.
- VIII. To increase students' opportunities for research or to expose them for research opportunities and strengthen their research capabilities
- IX. To graduate a dental professional who is highly competent for continuing higher education in any dental field.

#### Study stages:

Study period to achieve Doctor of Dentistry License is Five Academic years, taking in consideration that each academic year is made of two semesters, each semester is made of 16 weeks, total weeks:  $16 \times 10=160$  week and that the study hour is / 60 / minute.

The student passes through two main stages during which he gains all expected knowledge and training to become a highly skilled and qualified dentist who can achieve the intended goals in his future career:

#### The preclinical stage:

This stage is primarily implemented in the first three years, where the student is exposed to all basic medical and dental sciences. The student receives his courses that are served and facilitated by various faculties such as the Faculty of Medicine, and the Faculty of Pharmacy, besides Faculty of Dental Medicine.

### The clinical stage:

This stage is implemented in the last two years (fourth and fifth), where the student is exposed to various specialties of the dental art and medicine; and receives the suitable training to become able to treat patients.

### Exams:

The assessment of all subjects took the form of:

Formative assessment which involves monitoring and feedback throughout the course-by answering some clinically relevant questions.

Summative assessment which involves midterm and final exams (short answers and MCQs), quiz, and OSCE (clinical exams for the subjects at the end of year 4 and5).

MCQs: Multiple Choice Questions OSCE: Objective Structures Clinical Exam

# Teaching hours for undergraduate student in the Faculty of Dental Medicine at Damascus University.

Please note that the number of weeks in the Faculty of Dental Medicine at Damascus University is: 16 sixteen weeks are for each semester and therefore the total weeks are  $16x \ 10 = 160$  weeks study in the five year study, and that the study hour is /60/ minutes.

**Note:** The duration Of The Study hour does not include the move amongst sessions and breaks

		Weekly Hours	
Module	Semester	Practical	Theoretical
Medical Physics	1	2	2
Medical Chemistry (1)	1	2	2
Arabic Language	1	-	2
Cytology	1	2	2
Foreign Language (1)	1	-	4
National Social Culture	1	-	2
General Anatomy and Head and Neck Anatomy	1	2	3
Dental Anatomy	1	4	2
Medical Chemistry (2)	2	2	2
Biostatistics and Epidemiology	2	-	2
Microbiology	2	2	2
Immunology	2	1	2
Foreign Language (2)	2	-	4
Behavioral Psychology	2	-	2
General Histology	2	4	2
Total		21	35

### **First Year**

### Second Year

		Weekly Hours	
Module	Semester	Practical	Theoretical
General Physiology	1	2	2
Dental Materials	1	4	2
Oral and Dental Histology	1	4	2
Fixed Prosthodontics (1)	1	4	2
Foreign Language (3)	1	-	4
Ophthalmology and Otorhinolaryngology	1	-	2
Embryology and Genetics	2	-	2
Foreign Language (4)	2	-	4
Restorative Dentistry (1)	2	4	2
Removable Prosthodontics (1)	2	4	2
Oral Physiology	2	-	2
Radiological Diagnosis	2	3	2
Minor Surgery and Surgical Diseases	2	2	2
Total		27	30

### **Third Year**

	G	Weekly Hours	
Module	Semester	Practical	Theoretical
Internal and Dermatological Diseases	1	-	3
General Pathology	1	4	2
Restorative Dentistry (2)	1	4	2
Public Health, Oral Preventive Medicine and Community Dentistry	1	2	2
Periodontology (1)	1	2	1
Pharmacology	2	2	2
Oral and Dental Pathology	2	3	3
Pediatric Dentistry (1)	2	2	-
Fixed Prosthodontics (2)	2	4	2
Occlusion Science	2	2	2
Infection Control	2	-	2
Total		25	21

### **Fourth Year**

	C t	Weekly Hours	
Module	Semester	Practical	Theoretical
Oral Diseases (1)	1	2	1
Restorative Dentistry (3)	1	2	1
Endodontics (1)	1	4	1
Periodontology (2)	1	4	2
Removable Prosthodontics (2)	1	2	1
Anesthesia and Extraction (1)	1	2	2
Orthodontics (1)	1	4	4
Oral Diseases (2)	2	2	1
Endodontics (2)	2	4	1
Pediatric Dentistry (2)	2	4	2
Removable Prosthodontics (3)	2	4	2
Fixed Prosthodontics (3)	2	4	2
Anesthesia and Extraction (2)	2	4	2
Total		42	22

	G 4	Weekly Hours	
Module	Semester	Practical	Theoretical
Implantology	1	2	1
Endodontics (3)	1	4	1
Pediatric Dentistry (3)	1	4	1
Removable Prosthodontics (4)	1	4	-
Fixed Prosthodontics (4)	1	4	1
Anesthesia and Extraction (3)	1	2	2
Restorative Dentistry (4)	1	4	1
Endodontics (4)	2	4	1
Orthodontics (2)	2	4	1
Periodontology (3)	2	4	1
Oral Rehabilitation	2	-	2
Anesthesia and Extraction (4)	2	4	-
Ethics and Forensic Dentistry	2	-	2
Oral and Maxillofacial Surgery	2	-	2
Total		40	16

### **Fifth Year**

### Course Description

### <u>First Year</u>

1. Medical Physics	1. Introduction of crystals and mechanisms of mineralization.
	2. Calcification of bone and dental tissues.
	3. Principles of biomechanics.
	4. Forces of surface tension (wet and adhesion).
	5. X-ray (principles, generation and properties).
	6. X-ray (devices and usage).
	7. Laser (principles, generation and properties).
	8. Laser (devices and usage).
	9. Biology of radiation (effect and prevention).
	10. Sonic and ultrasonic waves (Echography).
	11. Subsonic waves.
	12. Electric current (continuous and alternate) and its application.
2. Medical	1- Atoms.
<b>Chemistry</b> (I)	2- Interactions and chemical bonds.
• • •	3- Organic and inorganic compounds.
	4- Water and mineral elements.
	5- Carbohydrates.
	6- Lipids.
	7- Amino acids.
	8- Proteins.
	9- Enzymes.
	10- Nucleotides and nucleic acids.

3. Cytology	1. Cellcharacteristics.
• •••	2. Animal cell and methods of its study: photonic and electronic microscopy.
	3. Chemical Structure of cell.
	4.Cellularmouvements and actine- myosine system.
	5. Molecular architecture and functional components of the cell membrane and its mechanisms of
	transferring.
	6. Structure and function of intracellular organelle.
	7. Nucleus and controls of proteins synthesis.
	8.Cell communications.
4. Anatomy of Head	1. Skull and bones.
and Neck	2. Cranial nerves.
	3. Blood and lymph supply.
	4. Nerves.
	5. Salivary glands.
	6. Endocrinology.
5. Dental Anatomy	1. A study of the structure form of each tooth (temporary and permanent), and their mutual relations
	within the dental arch and between the upper and lower dental arches, with an explanation of their
	role in maintaining the periodontal tissues. Practical and manual skills for students are developed
	by lab sessions for dental drawing and carving.
	2. Differences between primary and permanent teeth
	3. Essential differences between primary and permanent teeth and general knowledge of primary
	teeth.
6. National Culture	1- Arabic Islamic civilization.
	2- The Palestinian case and the Arab conflict.
	3- The Arabic socialistic "baath" party.
	4- The correctional movement and the national combat.
	5- Peace negotiations.
	6- The National Arabic security.
	7- The international alterations.
	8- The development and renewal in the speech of president Bashar Al-Asad.
7. Arabic Language	1- Verb-like letters.
0.0	2- The use of questioning tools.
	3- The use of swearing tools.
	4- The use of wondering tools.
	5- Warning and specialty.
	6- The use of numbers.
	7- Conditional verbs.
	8- Terminologies and dictionaries.
8. Foreign	(a)English (1)
Language	1- Simple and continuous past tenses.
0.00	2- Future forms.
	3- Present perfect.
	4- Present perfect continuous.
	5- Comparatives and superlatives.
	6- Model verbs.
	7- Conditionals.
	(b) French (1)
	1- Racines.
	2- Préfixes.
	3- Suffixes.
	4- Terminologiefondamentaleen odonto-stomatologie.
	5- Medicameivts
9. Medical	1. Analysis of amino acids and protein misfolding.
<b>Chemistry</b> (II)	2. Fibrous proteins.
	3. Globular proteins.
	4. Steroids.
	5. Hormones.
	6. Vitamines.
	7. Metabolism and bioenergetics.
	8. Carbohydrate metabolism.
	9. Lipid metabolism.
	10. Nitrogen metabolism.
	11. Metabolic defects in metabolism.

10. Biological	1-Discriptive statistics.
Statistics and	2 Methods of graphic presentation in statistics.
Epidemiology	3 Calculating probabilities, probabilities distribution.
Epidemology	4 Sampling of statistical population.
	5 Estimation.
	6 Parametric and nonparametric statistical hypothesis
	7 Statistical analysis of correlation between 2 variables
	8 Analysis of variance and experimental design
	9 Survival analysis and Kaplan Meier curves
	10 Some basic terms and definitions in epidemiology
11. Microbiology	1- Microbiology- classification
	2- Bacterial structure, cultures and physiology.
	3- Bacterial genetics and genetic engineering.
	<ul><li>4- Pathogenesis and diagnosis of infectious diseases.</li><li>5- Antibiotics – Methods of disinfection and sterilization.</li></ul>
	6- Systemic bacteriology: Gram positive cocci, gram negative cocci, gram positive bacilli, gram
	negative bacilli, spirochetes, mycobacterium, obligate intracellular bacteria, other bacteria.
	7- General virology.
	8- Special virology.
	9- General parasitology.
	10- Systemic parasitology.
	11- General mycology.
	12- Special mycology.
	13- Oral cavity pathogenand immune response.
12. Immunology	It includes how to protect body from strange large particles and micro-organisms and the reactions
	towards them in the first defense line and killing them without need for antibodies. Also includes
	autoimmune towards body's cells in immunity against tumors and studies how immune system cells
	interact with each other by particles represent signals that help in organising the immune reaction, this
	signals might be proteins like lymphocytes and cytokines.
	1. Introduction to immunology.
	2. The laboratory session focuses on characteristics of microbes and their production, biochemical
	interactions in immune reaction and cells stimulation in immunity system.
	3. Innate immunity-phagocytosis.
	<ol> <li>Innate immunity- complement cascade.</li> <li>Antigens.</li> </ol>
	<ol> <li>Antigens.</li> <li>T cell receptor /B cell receptors.</li> </ol>
	7. Major Histocompatibility complex.
	8. T cell mediated immune response.
	9. B cells mediated immune response.
	10. Immunity against infectious agents.
	11. Self-tolerance.
	12. Mechanisms of autoimmunity.
	13. Hypersensitivity.
	14. Immune response against tumor.
	15. Immunologic mechanisms of transplant rejection.
10 5	16. Congenital immunodeficiencies.
13. Foreign	English language (2)
Language(2)	<ol> <li>Quantifies.</li> <li>Gerunds.</li> </ol>
	3. Articles.
	4. Reported speech.
	5. Passive/ tags.
	6. Phrasal verbs.
	<ol> <li>All within themes such as: sports, lifestyle, work, food, transportations, etc.</li> </ol>
	French language (2)
	1. Deivtaires.
	2. La tête.
	3. Les dents.
	4. La gencive.
	5. La visite che2 un praticien

14. Behavioral	1- Principles of psychology.
Psychology	2- Cognitive, behavioral and social growth for individuals.
v ov	3- Personal communication process and the importance of language.
	4- Pain, its mechanism, psychology and methods of management
	5- Management of children with psychological problems.
	6- Management of children with anxiety and apprehension problems.
	7- Management of bad oral habits.
	8- Management of elderly.
	9- Problems with patients with compliance.
15. General	Students will acquire knowledge and understanding of
Histology	1. Histological examination instruments.
	2. Histological manifestations of bodysystem, organs and tissues.
	Students will be able to
	1. Use microscope for histological examination.
	2. Differentiate between different tissues under microscope.
	3. Recognize different histological preparations.

### Second Year

1. Human Physiology	1. Introduction to human physiology.
	2. Chemical composition of the body.
	3. Excitable tissues.
	4. Autonomic nervous system.
	5. Heart and circulation.
	6. Blood: Immune system, andlymphatic system.
	7. Physiology of respiratory system.
	8. Physiology of gastro-intestinal system.
	9. Physiology of kidneys.
	10. Endocrine glands: Secretion and action of hormones.
	11. Nervous system (neurons, synapses, neurotransmitters and receptors).
	12. Central nervous system.
	13. Physiology of sense.
	14. Physiology of reproduction.
2. Dental Materials	1. Historical acknowledgement.
2. Dentai Materiais	<ol> <li>Aim of dental material researches.</li> </ol>
	<ol> <li>Ann of dental material researches.</li> <li>International standards.</li> </ol>
	4. Definition of physical, chemical and mechanical properties of dental biomaterials.
	5. Structure of matter.
	6. Adhesion to tooth structure.
	7. Biological considerations in use of dental materials.
	8. Classification of dental cements.
	9. Cavity liners.
	10. Clinical considerations.
	11. Working and setting times.
	12. Manipulation.
	13. Bond to tooth structure.
	14. Selection of materials.
	15. Improper cavity preparation or finishing.
	16. Chemically activated resins.
	17. Light-activated resins.
	18. Bond agents.
	19. Abrasion and polishing dentifrices.
	20. Dentifrices.
	21. Dental implant materials.
	22. Impression materials.
	23. Casting materials.
	24. Dental wax: Types, and the indications, chemical composition and way of working of each
	type.
	25. Resins: Types, and the indications, chemical composition and way of working of each type.
	26. Metal mixtures: Types, and the indications, chemical composition and way of working of each
	type.
	27. Dental cements: Types, and the indications, chemical composition and way of working of each
	type.
	28. Dental ceramics.

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3. Fixed	1. Definitions.
<b>Prosthodontics</b> (1)	2. Introduction to fixed prosthodontics.
	3. Types of crowns.
	4. Purposes of crown construction.
	5. Steps in crown construction.
	6. Components of bridge.
	7. Biomechanical principles of tooth preparation.
	8. Preservation of sound tooth structure.
	9. Retention and resistance form.
	10. Marginal integrity.
	11. Structural durability.
	12. Full metal crown:
	13. Indications, contra-indications, advantages, disadvantages, steps of preparation
	14. Complete ceramic crown (Porcelain Jacket Crown):
	15. Indications, contra-indications, advantages, disadvantages, and steps of preparation.
	16. Partial veneer crown (three-quarter crown):
	17. Indications, contra-indications, advantages, disadvantages, steps of preparation.
	18. Post crown:
	19. Indications, contra-indications, factors to be considered in the assessment of a tooth for post
	crown, components of post crown, types of post crown, steps of preparation.
4. Ophthalmology and	Otolaryngology
Otorhinolaryngology	1. Anatomy of ear.
	2. Otitis.
	3.Otalgia.
	4. Vertigo and tinnitus.
	<ol> <li>5. Facial nerve palsy.</li> <li>6. Anatomy of nose.</li> </ol>
	7. Epistaxis, nose injuries, and trauma of the nose.
	8. Rhinitis, sinusitis.
	9. Tonsils and vegetation.
	10. Larynx anatomy. 11. Laryngitis.
	12. Larynx tumors.
	13. Salivary gland diseases.
	Ophthalmology
	1. Applied anatomy (eyeball, the orbit, extraocular muscles, eyelid, lacrimal apparatus, vessels and
	verves of the orbit).
	2. Applied physiology.
	3. Clinical reflection.
	4. Errors of reflection (hypermetropia, myopia, astigmatism, presbyopia).
	5. Contact lenses.
	6. Congenital abnormalities of eyelids.
	7. Eyelid diseases.
	8. Eyelid tumors.
	9. Lacrimal apparatus diseases.
	10. Disorders of the lacrimal drainage system.
	11. The conjunctiva, bacterial, viral, fungal and allergic conjunctivitis.
	12. Conjunctival degenerations.
	13. Tumors of the conjunctiva.
	14. Congenital abnormalities of the cornea.
	15. The keratitis.
	16. The sclera.
	17. The uvea.
	18. The lens, cataract.
	19. Glaucoma.
	20. Vitreous body.
	21. Retina.
	22. The orbit and orbit diseases.
	23. Strabismus (concomitant and paralytic strabismus).
	24. Ocular pain correlated with sinusitis and pulpitis.

5. Foreign Language(3)	English language
5. I of eigh Lunguage(5)	1- Oral cavity structures.
	2- Oral hygiene.
	3- What is epidemiology?
	4 Descriptive risk factors.
	5- Analytic dentistry.
	6- Disease origin.
	7- Manifestation andetiology.
	8- Types of causation.
	9- Qualitative data. 10 Dental caries.
	11- Active/inactive lesions.
	12- Periodontal diseases.
	13- Gingivitis.
	French language
	1. La cariedentaire.
	2. Les gingivites.
	3. Les parodontolyses.
	4. La couronne.
	5. La prosthèse fixe.
	6. La prosthèseamovible.
	7. Orthodontie.
	8. Les extractions et leurssvites.
	9. Curetageperi-apicale.
	10. Implants et greffes.
	11. Les dents de vosenfants.
	12. Les malpositionsdentaires.
6. Oral and Dental	This course presents the microscopic structure of cells, tissues and organs emphasizing the
Histology	correlation between structure and function. The course deals specifically with the oral cavity and the
	structures relevant to the teeth and their surroundings: The development of the oral cavity, the
	development of teeth, enamel, dentin, dental pulp, cementum, alveolar bone periodontal ligament, oral mucous lining, mastication oral mucosa, the oral mucous membrane, the salivary
	glandsandTMJ.
	1. Tongue, gingiva, checks histologically.
	2. Paranasal sinuses.
7. Genetics and	A study of anatomy of head and neck in details, through lectures in theory and lab sessions
Embryology	emphasizing on regional anatomy of special importance for dentistry. It studies as well the
Lindiyology	embryonic development and the development of craniofacial tissues in human.
	1.Deoxyribonucleicacid (DNA): Heredity molecule.
	2.Thecontinuity of life.
	3. The patterns of inheritance.
	4.Developmentalcranio-facial human genes.
	5.Technical molecular biology.
	6.Early embryo development.
	7. Developmental craniofacial deformities.
8. Operative Dentistry(1)	<ol> <li>Definition of operative dentistry.</li> <li>Stages of cavity preparation.</li> </ol>
	<ol> <li>Instruments used in operative dentistry.</li> <li>Class I cavities (restorations).</li> </ol>
	5. Class II (restorations).
	<ol> <li>Class III (restorations).</li> <li>Class III (restorations).</li> </ol>
	7. Class IV (restorations).
	8. Class V (restorations).
	9. Class VI (restorations).
	10. Biological considerations.
9. Removable	1. Introduction to removable prosthodontics, occlusal plane theories, TMJ, Articulators.
prosthodontics (1)	2. Anatomical Land Marks.
(English)	
()	3. Preliminary and final impression for edentulous patients.
	4. Recording Jaw relationships and cast mounting.
	5. Tooth arrangement.
	6. Wax-up denture processing and delivery.
	7. Introduction to Removable Partial Dentures (RPD).
	8. Survey and design.

	9. Diagnosis in partially dentate patients.			
	10. Impressions and framework fabrication.			
	11. Fitting the framework, Recording Jaw Relation.			
	12. RPD delivery, post-insertion problems.			
10. Oral Physiology	1. Oral environment.			
	2. Functional dental-organ.			
	3. Physiology of masticatory system (mastication, swallowing, speech).			
	4. Oro-facial sensation (pain, touch, pressure).			
	5. Physiology of periodontal ligament.			
	6. Pulp-dentin complex.			
	7. Physiology TMJ.			
	8. Physiology of local and general anesthesia.			
	9. Histophysiological response to orthodontic movement.			
	10. Physiology of bone.			
	11. Growth of craniofacial complex.			
	12. Autonomic neurological system and stress.			
	13. Circulatory shock and syncope.			
11. Minor Surgery and	(A)Minor surgery			
Surgical Diseases	1. Patient examination and admission to hospital.			
Surgical Diseases				
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	e			
	4. Essential surgical instruments.			
	5. Sterilization and antisepsis.			
	6. General patient care.			
	7. Drugs administration via injection, and puncture.			
	8. Catheterization and electrocardiography.			
	9. Emergency care.			
	10. Bleeding and management of blood transfer.			
	11. Wounds and managements.			
	12. Burns, bone fractures and managements.			
	(B). Surgical diseases			
	1. Acute abdominal pain.			
	2. Thrombophlebitis/ hemorrhoids.			
	3. Pulmonary embolism.			
	4. Hepatic surgery.			
	5. Pancreatic surgery.			
	6. Appendix vermiformis lesions.			
	7. Peptic ulcer.			
	8. Splenic surgery.			
	9. Renal surgery.			
	10. Thyroid and parathyroid surgery.			
	11. Mammal surgery.			
	12. Laparoscopic surgery.			
12. Foreign Language(4)	(A). English Language			
	1- Oral cavity structures.			
	2- Restorative dentistry.			
	3- Patient's background. 4- Enamel.			
	5- Dentin.			
	6- Alterationsof dentition.			
	7- Design cycle.			
	8- Evidence-based dentistry.			
	9- Mechanical properties.			
	10- Forces and deformation.			
	11- Biocompatibility. 12- Glass ionomers.			
	13- Pit and fissure sealants.			

	(D) Erecht Levenne			
	. (B). French Language			
	1. La cariedentaire.			
	2. Les gingivites.			
	3. Les parodontolyses.			
	4. La couronne.			
	5. La prosthèse fixe.			
	6. La prosthèseamovible.			
	7. Orthodontie.			
	8. Les extractions et leurssvites.			
	9. Curetageperi-apicale.			
	10. Implants et greffes.			
	11. Les dents de vosenfants.			
	12. Les malpositionsdentaires.			
13. Radiology	1. X-rays history.			
	2. X-rays physics.			
	3. X-rays properties.			
	4. X-rays biology.			
	5. Films used in X-rays.			
	6. Chemical processing of films.			
	7. Infection control and the radiographic technician.			
	8. Methods of intraoral radiography.			
	<ol> <li>Methods of intraoral radiography.</li> <li>Anatomy – intraoral films.</li> </ol>			
	10. Mistakes in radiography and techniques.			
	11. Methods of extra-oral radiography.			
	12. Panoramic radiography.			
	13. Digital radiography.			
	13. Digital radiography. 14. Radiographic diagnosis of dental caries.			
	15. Abnormal manifestations of periapical diseases.			
	16. Manifestations of trauma and periapical lesions.			
	17. Identification of restorative and dental materials and foreign bodies.			
	18. Use of Tomography and other techniques.			

### <u>Third Year</u>

1. General Pathology	1. Definition of pathology.			
	2. Cellular degeneration.			
	3. Inflammation and infection.			
	4. Hematological disorders.			
	5. Pigmentation disorders.			
	6. Infarction and necrosis.			
	7. Neoplasm's principles.			
	8. Carcinomas and sarcomas.			
2. Internal Medicine and	. A. Internal medicine			
Dermatology	1. Definition of medicine diseases, history, and clinical examination.			
	2. Vital signs, approaching structural symptoms.			
	3. Symptoms of nervous system – meningitis – convulsions.			
	4. Symptoms of cardiovascular and respiratory systems.			
	5. Symptoms and common clinical manifestation of gastroenterology system.			
	5. Liver hepatitis.			
	7. Symptoms of urogenital system - glandular/endocrine system.			
	3. Septic diseases and sexually transmitted diseases.			
	9. Approach to the patient in shock and treatments.			
	10. Treatment with antibiotics and nonsteroidal anti-inflammatory			
	11. Emergencies in medicine.			
	. B.Dermatology			
	1. Basics in dermal diseases.			
	2. Bacterial diseases.			
	3. Viral diseases.			
	4. Genetic diseases.			
	5. Bullous diseases.			
	6. Autoimmune diseases.			
	7. Tumors.			
3. Operative Dentistry (2)	1. History of operative dentistry.			
	2. Considerations affecting operative dentistry.			
	3. Moisture and saliva control.			

<ul> <li>5. Dental analgam restorations.</li> <li>6. Compound analgam restorations.</li> <li>7. Bonding systems (1).</li> <li>8. Composite.</li> <li>9. Glass innomer centent (1).</li> <li>10. Composite.</li> <li>9. Glass innomer centent (1).</li> <li>11. Cast-gold restorations.</li> <li>12. Clinical cases.</li> <li>14. Public Health.</li> <li>17. Diblic health an overview.</li> <li>10. Composite as a systems (1).</li> <li>11. Cast-gold restorations and health promotion.</li> <li>21. Clinical cases.</li> <li>12. Clinical cases.</li> <li>12. Clinical cases.</li> <li>13. Missing tech.</li> <li>14. Diblic health and overview.</li> <li>14. Clinical cases.</li> <li>15. Periodontal diseases.</li> <li>15. Periodontal diseases.</li> <li>16. Toronsis.</li> <li>21. Crister sandy bio selatint.</li> <li>22. The torologic disease.</li> <li>23. Toronsis of periodontal disease.</li> <li>24. Toronsion of periodontal disease.</li> <li>24. Toronsion of periodontal disease.</li> <li>25. Periodontal opy of end particle.</li> <li>26. Toronsion of periodontal disease.</li> <li>27. The torols supporting structure.</li> <li>25. Clinical diagnosis.</li> <li>26. Clinical diagnosis.</li> <li>27. The torols apporting structure.</li> <li>27. Clinical diagnosis.</li> <li>28. Periodontal object and bio particle.</li> <li>27. The torol supporting structure.</li> <li>28. Clinical diagnosis.</li> <li>29. Periodontal particle and bio terms.</li> <li>20. Clinical diagnosis.</li> <li>21. The particle and phases of periodontal diseases.</li> <li>23. Periodontal instrument.</li> <li>24. Scaling and root planting.</li> <li>25. Periodontal policit heating optimizes.</li> <li>26. Clinical diagnosis.</li> <li>27. The torol supporting structure.</li> <li>28. Clinical diagnosis.</li> <li>29. Periodontal diseases.</li> <li>29. Periodontal diseases.</li> <li>20. Cli</li></ul>		4 T'				
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<ul><li>9. Lymphomas in the oral cavities.</li><li>10. Metastasis from and to the oral cavity.</li></ul>						
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8. Pediatric Dentistry (1) 1. Eruption, development in pediatric dentistry.						
	8. Pediatric Dentistry (1)	1. Eruption, development in pediatric dentistry.				

	2. Diagnosis and assessment in Pediatric dentistry.
	3. Prevention in pediatric dentistry.
	4. Cavity preparation in primary teeth.
	5. Operative dentistry and endodontic treatment in children.
9. Fixed Prosthodontics	<ol> <li>Types of bridges.</li> <li>Restoration of extensively damaged teeth (post and core).</li> </ol>
(2)	3. Indications and contraindications of crowns andbridges .
	4. Partial retainers (anterior and posterior), preparation steps and clinical procedure including
	impressionand temporary.
	5. Short span bridge: Preparation steps and clinical procedure including impression taking, interim
	restoration and laboratory procedures.
10. Science of Occlusion	1. Development of temporomandibular joint and the occlusion.
	2. Masticatory system as a vital system.
	3. Mandibular's movements and positions.
	4. Occlusal surfaces of the teeth, and static occlusion.
	5. Normal occlusive inter-cuspation – motility occlusion.
	6. Diagnosis and treatment of temporomandibular joint disorders- differential diagnosis (Manuel
	functional analysis – Axel Bumann).
	7. Articulators and dental casts mounting.
	8. Occlusal analysis in adults and restoring the occlusion.
	9. Occlusal contacts.
	10. Occlusal alterations and normal occlusal relationships.
	11. Interrelation between occlusion and other dental specialties.
11. Infection Control	Content (English)
	1. The importance and rationale of infection control in dentistry.
	2. Microbiology and infection control.
	3. Diseases of concern to the dental team – blood-borne diseases (viral hepatitis, HIV Disease) – air-borne diseases (tuberculosis,) – water-borne diseases (legionnaires disease,)
	<ol> <li>4. Personal protective equipment.</li> </ol>
	5. Instrument processing.
	6. Instrument sterilization (1): dry heat sterilization.
	7. Instrument sterilization (2): steam sterilization, indicators.
	8. Surface and equipment asepsis (surface barriers + chemical disinfectants).
	9. Aseptic techniques (disposable, handhygiene, engineering an work practice control,
	immunization, and medical history).
	<ul><li>10. Waste management (housekeeping, ex.teeth, laundry).</li><li>11. Dental unit water asepsis.</li></ul>
	<ol> <li>Dental unit water asepsis.</li> <li>Laboratory and radiographic asepsis.</li> </ol>
	13. Occupational hazards (management of the office safety program/ labels/ OSAP/ information
	and training/ chemicals safety/ mercury/ radiation).
	14. Office emergency procedures, fire and emergency action plan.
	15. Infection control regulations in dental college, Damascus University.
	Content (French)
	1- Importance du control infectieux en odontologie.
	<ul> <li>2- Les microorganismes impliques en control infectieux en odontologie.</li> <li>3- les maladies infectieuses dans le cabine dentaire porte par :</li> </ul>
	a. le voila sanguin (Hépatite, HIV etc).
	b1' air (tuberculoses,).
	c. L'eau (Légionnaires,).
	4- Protection personale.
	5- Décontamination des instruments.
	6- Stérilisation des instruments (1) : stérilisation par la chaleur sèche.
	7- Stérilisation des instruments (2) : stérilisation par le vapeur, indices de la stérilisation.
	<ul> <li>8- Nettoyage de sol et de surface et d'unit : les antiseptiques, Les désinfectants chimiques.</li> <li>9- Des infection du matériel : les instrument neufs, matériel à usage unique, matériel réutilisable,</li> </ul>
	lavage de mains / vaccin, histoire médical.
	10-Elimination de déchet ,le soigne à domicile, élimination de dents extraites extraction. le
	nettoyage.
	11-Décontamination de l'eau dans l'unité dentaire.
	12-Désinfections de laboratoire dentaire et en radiologie.
	13-Risque professionnel : étiquettes/ OSAP -information, stage / la sécurité chimique / Mercure /
	Radiation.
	14-Instruction de control du risque infectieux dans la faculté de chirurgie dentaire – université de
	Damas.

### **Fourth Year**

1. Oral Medicine (Oral	1. Introduction.			
Diseases (1))	2. Obtaining medical and dental history.			
Diseases (1))	3. Examination techniques.			
	4. Clinical examination of the head and the neck.			
	5. Principles of cross-infection management.			
	6. Dental developmental disorders.			
	7. Pulpitis.			
	<ul><li>8. Gingival and periodontal diseases.</li><li>9. Bad breath.</li></ul>			
	10. Vitamins and minerals.			
	11. Fluoride.			
	12. Oral cavity cysts.			
	13. White and red lesions.			
2. Operative Dentistry (3)	1. Patient assessment and principles of clinical work practice.			
	2. Caries diagnosis, treatment planning and prognosis.			
	<ol> <li>Instruments and materials used in clinical practice.</li> <li>Class I and II (Amalgam restorations).</li> </ol>			
	<ol> <li>Composite and tooth colored restorations,</li> </ol>			
	6. Anterior composite restorations.			
	7. Posterior composite restorations.			
	8. Bonding systems (2).			
	9. Glassinomer cement (2).			
	10. Componers (2).			
2 Endedoutting (1)	11. Failure in composite restorations and its treatment.			
3. Endodontics (1)	1. Introduction of endodontics and its relation with other sciences, and maintenance of pulp			
	vitality.			
	<ol> <li>Embryology of dental pulp and periradicular tissues.</li> <li>Diagnosis and treatment planning.</li> </ol>			
	<ol> <li>Diagnosis and treatment planning.</li> <li>Pulp and periradicular etiology.</li> </ol>			
	<ol> <li>Pulp and periradicular etiology.</li> <li>Isolation in endodontics.</li> </ol>			
	<ol> <li>Access opening and pulp extirpation.</li> <li>Length determination and and adaptic instruments.</li> </ol>			
	7. Length determination and endodontic instruments.			
	8. Cleaning and shaping of root canal system.			
	9. Irrigants and intracanal medicaments.			
	10. Non vital different methods and techniques of obturation.			
	11. Treatment of non-vital pulps and apical lesions.			
4.Periodontology(2)	<ol> <li>Dental plaque and calculus.</li> <li>Microbiology of Periodontal diseases.</li> </ol>			
	<ol> <li>Host modulation and genetic factors.</li> </ol>			
	<ol> <li>Systemic diseases risk factors, smoking, stress, diabetes</li> </ol>			
	5. Impact of periodontal infection on systemic health.			
	6. Gingival diseases.			
	7. Periodontal diseases.			
	8. Non-surgical periodontal therapy supported by chemotherapeutic agents.			
	<ol> <li>Furcation involvement.</li> <li>Principles of periodontal surgery of treatment of perio emergencies.</li> </ol>			
	11. Periodontal surgery.			
5. Removable	1. Introduction into complete dentures.			
Prosthodontics(2)	<ol> <li>Preliminary impressions of edentulous patients.</li> </ol>			
	1			
	4. Recording Jaw relationships.			
	5. Clinical try-in.			
	6. Insertion and post-insertion problems.			
6. Anesthesia and	1. Anatomy of oral cavity.			
Extraction(1)	<ol> <li>Anatomy of oral cavity.</li> <li>Nerves of oral cavity.</li> </ol>			
	3. Pain.			
	4. Local anesthetic drugs.			
	5. Vasoconstrictors.			
	6. Kinds of regional anesthesia.			

	7. Extra-oral anesthesia.			
	<ol> <li>7. Extra-oral anesthesia.</li> <li>8. Electrical anesthesia.</li> </ol>			
	9. Local complications of anesthesia.			
	10. General complications of anesthesia.			
7. Orthodontics and	1. Principles of orthodontic diagnosis.			
DentofacialOrthopedic	2. Clinical examination and functional examination.			
s (1)	3. Studying casts.			
	4. Radiographic and cephalometric examination.			
	5. Photographs analysis.			
	6. Classification of malocclusion and dentofacial deformities.			
	7. Principles of orthodontic appliances and their types.			
	8. Removable active appliances.			
	9. Functional appliances.			
	10. Fixed active appliances.			
	11. Prevention and early orthodontic treatment.			
	12. Orthodontic treatment in mixed dentition.			
	13. Orthodontic treatment in adult dentition.			
	14. Treatment planning in orthodontic treatment.			
8. Oral Medicine 2 (Oral	1.Oral lesions.			
Diseases(2)	2. Salivary gland lesions.			
	3. Tongue diseases.			
	<ul><li>4. Oral manifestations of AIDS.</li><li>5. Maxillary sinus diseases.</li></ul>			
	6.Temporomandibular joint disorders.			
	7. Complicated infections of dental origin.			
	8. Facial and nervous diseases.			
	9. Bell's palsy.			
	10. Torus mandibularis and palatinus.			
	11. LASER applications in oral medicine.			
9. Endodontics(2)	<ol> <li>Forensic dentistry.</li> <li>Isolation in endodontics (rubber dam placement).</li> </ol>			
9. Endodonucs(2)	<ol> <li>Access opening and pulp extirpation.</li> </ol>			
	3. Length determination and endodontic instruments.			
	4. Cleaning and shaping of root canal system (hand and rotary instrumentation).			
	5. Irrigants and intracanal medicaments.			
	6. Non vital different methods and techniques of obturation.			
	<ol> <li>Treatment of non-vital pulps and apical lesions.</li> <li>Endodontic complications.</li> </ol>			
	9. Endodontic surgery.			
	1. Diagnosis and assessment in pediatric dentistry.			
<b>10. Pediatric Dentistry(2)</b>				
	3. Eruption, developmental and craniofacial disorders.			
	4. Preventive orthodontics in children.			
	5. Local Anesthesia in children.			
	<ul><li>6. Cavity preparation in primary teeth.</li><li>7. Operative and endodontic treatment in children.</li></ul>			
	8. Caries prevention in pediatric dentistry.			
	9. Pediatric oral and general diseases.			
11. Removable	7. Immediate complete dentures.			
<b>Prosthodontics (3)</b>	1. Maxillofacial prosthodontics.			
	2. Overdentures.			
	3. Implant in conjunction with complete dentures.			
	4. Treating abuse tissue.			
	5. Treatment of compromised patients (elderly, maxillofacial deformity, and flabby			
	ridge).			
	6. Treating problems associated with denture use.			
	7. Single complete denture.			
	8. Use of soft lining materials.			
12. Fixed Prosthodontics	1. Diagnosis in Fixed Prosthodontics.			
12. Fixed Prosulodonules	<ol> <li>Diagnosis in Fixed Prostiodonics.</li> <li>Treatment planning for partially edentulous patients.</li> </ol>			

3. Try-in stage and color science.
4. Pontics.
5. Implant prosthesis option.
6. Temopromandibular disorders.
1. Principles of tooth extraction.
2. Armamentarium used for teeth extraction.
3. Systemic diseases and extraction.
4. Surgical extraction and extraction of impacted molars.
5. Extraction of impacted canines.
6. Post extraction care.
7. Post extraction complications.

### <u>Fifth Year</u>

1. Endodontics(3)	1. Diagnosis and treatment planning.		
	2. Rubber dam placement.		
	3. Root canal treatment on vital upper molars.		
	4. Root canal treatment on vital lower molars.		
	5. Root canal treatment on vital upper premolars.		
	6. Root canal treatment on vital lower premolars.		
	7. Root canal treatment on vital upper incisors.		
	8. Root canal treatment on vital lower incisors.		
	9. Performing two cases or more using crown down technique.		
	10. Performing two cases or more using warm vertical condensation.		
2. Implantology	1. Historical overview of dental implantology.		
1 80	2. Concept of osseointegration.		
	3. Classification and types of dental implants.		
	4. Implant biomechanics/biomaterials.		
	5. Implant surface treatment.		
	<ol> <li>Anatomy and/or histology of the hard and soft tissue/implant interface.</li> </ol>		
	7. Implant patient education.		
	8. Dental pre-surgical assessment of the implant patient.		
	<ol> <li>9. Medical pre-surgical assessment of the analysis of the implant patient.</li> </ol>		
	10. Radiographic/image evaluation and analysis of the implant patient.		
	11. Treatment planning for an implant-supported fixed partial denature.		
	12. Treatment planning for an implant-retained overdenture.		
	13. Treatment planning for partially edentulous cases.		
	14. Treatment planning for fully edentulous cases.		
	15. Treatment planning for the single tooth implant restoration.		
	16. Screw-retained cemented implant restoration.		
	17. Occlusion on implant restorations.		
	<ol> <li>Craniofacial applications of implants.</li> <li>Implant site selection</li> </ol>		
	19. Implant site selection.		
	20. Implant stage 1 and 2 surgical procedure.		
	21. Implant postsurgical care.		
	22. Adjunct surgical techniques for implant therapy (soft and hard tissue augmentation, sinus		
	elevation techniques).		
	23. Implant surgical complications and management.		
	24. Implant prosthetic complications and management.		
	25. Current research and developments in implantology.		
3. Pediatric Dentistry (3)	1. Diagnosis and assessment in pediatric dentistry.		
5. I culatile Dentistry (5)	<ol> <li>Behavior management in children.</li> </ol>		
	3. Maxillofacial and dentaltraumatic injuries in children.		
	4. Gingival and periodontal diseases in children.		
	<ol> <li>Sedation and general anesthesia.</li> </ol>		
	<ul><li>6. Management of children with special needs.</li></ul>		
	<ol> <li>Management of children with systematic diseases.</li> </ol>		
	8. Oral surgical diseases in children.		
4. Removable	Only practical: Treating a case of fully edentulous patient.		
<b>Prosthodontics (4)</b>			
5. Fixed Prosthodontics	1. Diagnosis in fixed prosthodontics.		
	<ol> <li>2. Treatment plan for partially edentulous patients.</li> </ol>		
(4)	<ol> <li>Try-in stage and color science.</li> </ol>		
	4. Pontics.		
	+. ronues.		

	5. Implant prosthesis option.	
	6. Relation between fixed prosthodontics and other dental disciplines.	
6. Anesthesia and	1. Principles of tooth extraction.	
Extraction(3)	2. Armamentarium used in teeth extraction.	
	3. Systemic diseases and extraction.	
	4. Non-surgical extraction.	
	5. Extraction of impacted molars and canines.	
	6. Post extraction care.	
	7. Post extraction complications.	
7. Operative Dentistry(4)	1. Patient assessment and principles of clinical work practice.	
	2. Caries diagnosis, treatment planning and prognosis.	
	3. Instruments and materials used in clinical practice.	
	4. Class I and II (Amalgam restorations).	
	5. Composite and tooth colored restorations,	
	6. Anterior composite restorations.	
	7. Posterior composite restorations.	
	8. Bonding systems (2).	
	9. Glass inomer cement (2).	
	10. Compomers (2).	
	11. Failure in composite restorations and its treatment.	
8. Endodontics (4)	• Performing different methods of cleaning and shaping of root canal system in non-vital	
	teeth.	
	1. Principles of orthodontics and malocclusion.	
9. Orthodontics and	<ol> <li>Normal growth and development of dentofacial complex.</li> </ol>	
DentofacialOrthopedics	3. The etiology of dentofacial deformities.	
(2)	4. Principles of orthodontic diagnosis (clinical and functional examination + radiographic,	
	cephalometric and model investigations).	
	5. Classifications of malocclusion and dentofacial deformities.	
	6. The most important dentofacial deformities (development, causes, diagnosis and	
	treatments). 7. Principles of malocclusion and biomechanics and teeth movement.	
	Principles of malocclusion and biomechanics and teeth movement.	
	8. Principles of orthodontic appliances (types and their functions).	
	9. Principles of orthodontic treatment (timing and limitation).	
	10. Prevention in orthodontics.	
	11. Early orthodontic treatment and interceptive treatment.	
	12. Orthodontic treatment in mixed dentition.	
	. Orthodontic treatment for adults.	
	14. Orthognathic surgery.	
10. Periodontology (3)	1. Regenerative periodontal therapy.	
	2. Bone grafts.	
	3. Gingival grafts ridge augmentation.	
	4. Occlusal trauma and its therapy.	
	5. Laser therapy in periodontology.	
	6. Clinical aspects of dental implants.	
	7. Aesthetic considerations in dental implants.	
	8. Diagnosis and treatment ofperi-implantitis.	
	9. Orthodontic periodontology.	
	10. Evidence-based decision making.	
11. Oral Rehabilitation	1. Physiologic principles of mandible movements.	
	2. Using articulators for oral rehabilitation.	
	3. Oral rehabilitation and restorative dentistry.	
	4. Oral rehabilitation and periodontology.	
	5. Oral rehabilitation and orthodontic.	
	6. Oral rehabilitation and orthognathic surgery.	
	7. Oral rehabilitation and TMDs.	
	. Oral rehabilitation and removable prosthodontics.	
	Oral rehabilitation and occlusion.	
	0. Oral rehabilitation and implantology.	
	1. Dental splinting.	
	2. Tooth wear.	
	<ol> <li>Toolif wear.</li> <li>Indications and contraindications for oral rehabilitation.</li> </ol>	
12. Anesthesia and Extraction(4)	<ol> <li>Surgical extraction.</li> <li>Extraction of impacted molars and canines.</li> </ol>	
	1/ EXTREMON OF THE ACTED HOUSES AND CANTRES	

	3.	Post extraction care.	
		Post extraction complications.	
13. Ethics and Forensic	1.	Introduction.	
Dentistry		Forensic dentistry.	
Dentisti y	3.	Scientific methods of identification.	
		Accordance of DNA.	
		Forensic photography.	
		Bite marks; techniques and terminologies.	
		. Dentist role in investigations and prevention of children abuse.	
		Natural disasters tests.	
	9.	Old history of dentistry.	
	10.	Legend prescriptions in prevention and treatment, and Arabic role in discontinue using	
		them.	
	11.	Preventative care.	
	12.	Medicine taken after profit Mouhammad in Islam.	
	13.	Famous Islamic medical scientists.	
		4. Anesthesia in dentistry.	
		. Development in replacement teeth industry.	
		5. Dental treatment in Arabic scientific tradition.	
		. Law of dentistry.	
		. General Dental Council (GDC) and its aims.	
		. Registration with the GDC and loosing and regaining membership.	
		Dentistry and rules of deontology.	
		Moral duties of professional dentists.	
	22.	GDC regulations (general, financial, legal, election, conferences, fees related conflicts, etc	
		.).	
14. Oral and		Patient presentation.	
Maxillofacial Surgery	2.	Odontogenic infections.	
		Osteomyelitis and osteoradionecrosis.	
		Cellulitis.	
		Periapical surgery.	
		Facial fractures.	
		Orthognathic surgery.	
	8.	Surgical management of dentofacial deformities.	
	9.	Salivary glands diseases.	
		Maxillary sinus diseases.	
		Management of temporomandibular disorders.	
	12.	Principles of implantology.	

Vice Dean for Scientific Affairs

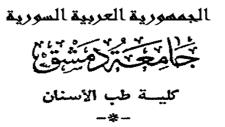
### **Dean of Faculty of Dental Medicine**

### **Prof. Dr. Mohannad Laflouf**

Prof.Dr. Khaldoun Mhd Atef Darwich

SYRIAN ARAB REPUBLIC





### Revealed the number of completed cases in the practical sections in the Faculty of Dental Medicine in University of Damascus

### Student Name: MAIS ALNAJJAR

Oral Diseases : 15 cases every semester

Restorative Dentistry : 50 cases in Laboratory +25 (clinical ) Endodontic : 2 Incisors, 2 Premolars, 2 Molars in Laboratory every (2 semester ) 2 Incisors, 2 Premolars, 2 Molars in clinical every (2 semester ) Pediatric dentistry: 10 cases every semester Fixed Piosthodontics : Laboratory 3 cases every semester clinical 5 cases every semester Partial Removable Prosthetics : 2 cases every semester Complete Removable Prosthetics : 2 cases every semester Anesthesia and Extraction: 12 cases every semester Orthodontics : 2 cases every semester Periodontology : 10 cases every semester

## Clinical hours for The fourth and fifth academic years undergraduate student in the Faculty of Dental

### **Medicine in Damascus University**

### Student Name: MAIS ALNAJJAR

fourth year first semester time			
the number of clinical	the number of weeks in the	The total	
hours	semester		
20	16	20x16 =320	

fourth year second semester time				
the number of clinical	the number of weeks in the	The total		
hours	semester			
22	16	16x22 =352		

fifth year first semester time				
the number of clinical	hours	the number of weeks in the	The total	
		semester		
20		16	20x16 =320	

fifth year second semester time				
the number of clinical	the number of weeks in the	The total		
hours	semester			
20	16	20x16 = 320		

Please note that the number of clinical hours in the fourth and the fifth year are/ 1312 / hours

Vise Dean for Scientific Affairs

**Dean of Faculty of Dental Medicine** 

**Prof. Dr. Mohannad Laflouf** 

Prof.Dr. Khaldoun Mhd Atef Darwich