

1.	School	School of Dentistry
2.	Department	Department of Paediatric Dentistry and Orthodontics
3.	Program title (Arabic)	برنامج الماجستير في طب أسنان الأطفال
4.	Program title (English)	Masters in Paediatric Dentistry
5.	Track	Thesis

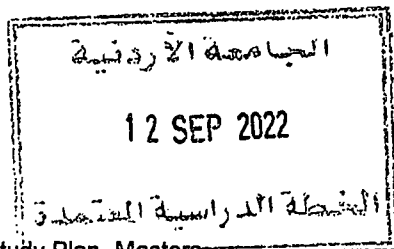
	Specialization #	Degree	Dep #	Faculty #	Year	Track
Plan Number	30	8	3	13	2022	Thesis

A. General Rules and Conditions

1. This plan conforms to the valid regulations of programs of graduate studies.
2. Areas of specialty for admission to this program:
Doctor of Dental Surgery (DDS) or Bachelor in Dental Surgery (BDS)

B. Special Conditions:

- The applicant must provide accredited documentation of at least 2 years' post-qualification clinical experience at the start of the program.
- The applicant must be a holder of the MFDS membership degree from one of the British or Irish Royal Dental colleges or equivalent as decided by the department council.
- Candidates must have achieved a minimum of B mark in Pediatric Dentistry Courses studied during the BDS or DDS.



C. The study plan for thesis track: studying (42) credit hours as follows:

1. Obligatory Courses: studying (24) credit hours from the obligatory courses.

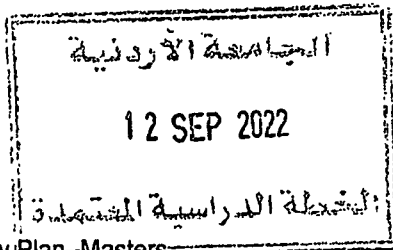
Course No.	Course title	Credit hrs	Theory	Practical		Pre-requisite
				Clinic	Lab	
1303701	Pediatric Dentistry theory I	1	1	-	-	-
1303702	Pediatric Dentistry theory II	1	1	-	-	-
1303703	Pediatric Dentistry theory III	1	1	-	-	-
1303704	Pediatric Dentistry theory IV	1	1	-	-	-
1303705	Pediatric Dentistry theory V	1	1	-	-	-
1303706	Clinical Pediatric Dentistry I ■	6	-	15	3	-
1303707	Clinical Pediatric Dentistry II ■	6	-	18	-	Clinical Pediatric Dentistry I Clinical training at JUH 1
1303708	Clinical Pediatric Dentistry III	3	-	9	-	Clinical Pediatric Dentistry II Clinical training at JUH 2
1303772	Interceptive Orthodontics	1	1	-	-	-
0703725	Statistical Methods for Health Care Research	3	3	-	-	-
1303713	Clinical training at JUH 1*	0	0	20		
1303714	Clinical training at JUH 2*	0	0	20		Clinical training at JUH 1
1303715	Clinical training at JUH 3**	0	0	20		Clinical training at JUH 2
	Total	24				

■ Extended courses first and second semesters.

Note: 1 credit hour = 3 practical hours.

*Clinical training at JUH during first, second and summer semesters.

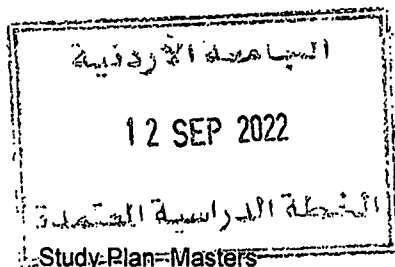
** Clinical training at JUH during first and second semesters.



3. Elective Courses: studying (9) credit hours from the elective courses.

Course No.	Course title	Credit hrs	Theory	Pract		Pre-requisite
				Clinic	Lab	
1303711	Clinical Pediatric Dentistry VI	3		9		
1303712	Current topics in pediatric dentistry	3	3	-	-	-
1302717	Biomaterials	2	2	-	-	-
1303774	Preventive Dentistry	1	1	-	-	-
1303775	Craniofacial Growth and development	1	1	-	-	-
1303776	Pediatric Dentistry and Periodontal Interface	1	1	-	-	-
1303777	Radiology and Cephalometrics	1	1	-	-	-
1303783	Dental Management of children with disabilities and the Medically Compromised	2	2	-	-	-

3. Thesis (1303799): 9 credit hours



Study plan by year: Thesis track

First Year								
First semester			Second semester			Summer Semester		
	Course title	Credit hours		Course title	Credit hours		Course title	Credit hours
1303701	Pediatric Dentistry theory I	1	1303702	Pediatric Dentistry theory II	1			
1303706	Clinical Pediatric Dentistry I	3	1303706	Clinical Pediatric Dentistry I	3			
0703725	Statistical Methods for Health Care Research	3	1303775	Elective	1			
1303713	Clinical training at JUH 1	0	1303713	Clinical training at JUH 1	0	1303713	Clinical training at JUH 1	0
Total		7			5			0

Second Year								
First semester			Second semester			Summer Semester		
	Course title	Credit hours		Course title	Credit hours		Course title	Credit hours
1303703	Pediatric Dentistry theory III	1	1303704	Pediatric Dentistry theory IV	1			
1303707	Cinical Pediatric Dentistry II	3	1303705	Pediatric Dentistry theory V	1			
1303772	Interceptive Orthodontics	1	1303707	Cinical Pediatric Dentistry II	3			
1303714	Clinical training at JUH 2	0	1303714	Clinical training at JUH 2	0	1303714	Clinical training at JUH 2	0
				Thesis	3			
Total		5			8			0

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Third Year					
First semester			Second semester		
	Course title	Credit hours		Course title	Credit hours
1303769	Clinical Pediatric Dentistry III	3	1303770	Elective	3
1303783	Elective: Pediatric Dentistry theory	2	1303712	Current topics in pediatric dentistry	3
1303715	Clinical training at JUH 3	0	1303715	Clinical training at JUH 3	0
	Thesis	3		Thesis	3
Total		8			9

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 Study Plan- Masters

Course Description

1303701	Pediatric Dentistry Theory I	1 credit hour
Pre-request: None		
Besides introducing the postgraduate to the basic behavior management techniques accepted for treatment of the difficult and apprehensive child patient, this course focuses on the scientific foundations of clinical practice, infection control, history, examination and treatment planning.		

1303702	Pediatric Dentistry Theory II	1 credit hour
Pre-request: None		
This course reviews the concepts of restorative dentistry, pulp therapy in primary and young permanent teeth.		

1303703	Pediatric Dentistry Theory III	1 credit hour
Pre-request: None		
This course aims to study the principles of management of dental trauma in the child patient and adolescent. A detailed description of the histological and clinical sequelae of dental trauma and the evidence-based methods of its treatment are presented.		

1303704	Pediatric Dentistry Theory IV	1 credit hour
Pre-request: None		
This course aims to educate the postgraduate on the dental anomalies that may present in the child patient and the advanced restorative techniques available for their management. The clinical sessions will provide the student with the opportunity to provide multi-disciplinary care for patients through orthodontic and restorative consultation. Students will be required to attend 1 month clinical rotations in oral surgery clinics to offer sufficient clinical experience to enable the student to achieve competency in the assessment and management of orofacial trauma, infections, and dental pain, surgical exposure of teeth and surgical removal of supernumerary teeth.		

1303705	Pediatric Dentistry Theory V	1 credit hour
Pre-request: None		
Besides introducing the postgraduate to the commonly seen oral lesions in the child patient and the appropriate management of these conditions, this course aims to apply the knowledge and techniques learned by the postgraduate in the previous courses by clinical application. The student will be required to attend 1 month clinical rotations in each of pediatric clinics with the goal to expose the student to the practice of pediatric medicine to gain knowledge and experience in the management of healthy and sick children, adolescents, and those with special health care needs and general anesthesia (including cardiac pulmonary resuscitation, CPR) and emergency departments.		

1303706	Clinical Pediatric Dentistry I	6 credit hours
Pre-request: None		
This course focuses on the scientific foundations of clinical practice the concepts of restorative dentistry, pulp therapy and space maintenance. It includes 8 weeks phantom head course which		

reviews.

The clinical sessions aims also to make the postgraduate capable of correctly diagnosing and promptly treating the traumatic dental injuries and develop an appropriate long-term treatment strategy for the patient.

Also the students will be required to attend the pediatric dentistry specialty clinic and dental treatment of children under general anesthesia one day case unit at JUH.

1303707	Clinical Pediatric Dentistry II	6 credit hours
Pre-request: Clinical Pediatric Dentistry I and Clinical training at JUH 1		
<p>The clinical sessions will provide the student with the opportunity to provide multi-disciplinary care for patients through orthodontic and restorative consultation. During the first semester, students will be required to attend 1 month clinical rotations in oral surgery clinics to offer sufficient clinical experience to enable the student to achieve competency in the assessment and management of orofacial trauma, infections, and dental pain, surgical exposure of teeth and surgical removal of supernumerary teeth.</p> <p>This course aims to apply the knowledge and techniques learned by the postgraduate in the previous courses by clinical application.</p> <p>During the second semester, the student will be required to attend 1 month clinical rotations in each of pediatric clinics with the goal to expose the student to the practice of pediatric medicine to gain knowledge and experience in the management of healthy and sick children, adolescents, and those with special health care needs and general anesthesia (including cardiac pulmonary resuscitation, CPR) and emergency departments.</p> <p>Also the students will be required to attend the pediatric dentistry specialty clinic and dental treatment of children under general anesthesia one day case unit at JUH.</p>		

1303708	Clinical Pediatric Dentistry III	3 credit hours
Pre-request: Clinical Pediatric Dentistry II and Clinical training at JUH 2		
<p>Continued emphasis on the application of clinical techniques. During the third year, students learn to manage children with complex special health care needs, including inpatients. Students interact and coordinate with other medical departments within the hospitals. They utilize pharmacologic behavior management techniques for children, including those with special health care needs.</p> <p>Clinical experience with advanced pediatric dentistry treatment is provided. Patients requiring conscious sedation and general anesthesia are treated in the department clinic/ University Hospital. Rotations in hematology, oncology, and endocrinology departments will be arranged in monthly rotations.</p> <p>Also the students will be required to attend the pediatric dentistry specialty clinic and dental treatment of children under general anesthesia one day case unit at JUH.</p>		

1303713	Clinical training at JUH 1	0 credit hours
Pre-request: None		
<p>The students will be required to attend the pediatric dentistry specialty clinic and dental treatment of children under general anesthesia at day case unit at JUH.</p>		

1303714	Clinical training at JUH 2	0 credit hours
Pre-request: Clinical training at JUH 1		
<p>The students will be required to attend the pediatric dentistry specialty clinic and dental treatment of</p>		



children under general anesthesia at day case unit at JUH.

1303715	Clinical training at JUH 3	0 credit hours
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Pre-request: Clinical training at JUH 2

The students will be required to attend the pediatric dentistry specialty clinic and dental treatment of children under general anesthesia at day case unit at JUH.

1303772	Interceptive orthodontics	1 credit hour
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Pre-request: None

Emphasis is placed on cephalometrics, diagnosis and treatment planning, and the evaluation of the normal and abnormal conditions in the primary, early mixed, and late mixed dentitions. The course also aims to provide the postgraduate with the knowledge to identify and appropriately manage or refer a patient for orthodontic assessment. Cases are discussed to familiarize the student with clinical aspects and techniques of interception. The student will be required to attend the orthodontic clinics.

0703725	Statistical Methods for Health Care Research	3 credit hours
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Pre-request: None

The emphasis of this course is on the nature and characteristics of the most commonly used statistical techniques (descriptive statistics, correlation and linear regression, factor analysis, and elementary hypothesis testing), and their applicability to specific health care problems within the context of dentistry. Students will develop skills and knowledge in the use of computing software and to reinforce learning through assignments, including the analysis of data and interpret computer output

1303774	Preventive Dentistry	1 credit hour
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Pre-request: None

This course focuses on the etiology, prevalence and prevention of dental caries using fluoride and other methods and the new technologies used in the diagnosis and treatment of dental caries. An evidence-based approach is emphasized.

1303783	Dental Management of children with disabilities and the Medically Compromised	2 credit hours
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Pre-request: None

The course entails discussions pertaining to genetics, physically and mentally disabled patient and/or associated craniofacial syndromes. During this course the student will also gain knowledge of dental aspects of systemic diseases in terms of their effect on dental treatment and their effect on the oral hard and soft tissues. They will learn the effects of drugs used in the treatment of systemic diseases on the oral health of the patient and the how they complicate dental treatment. Students treat medically compromised patients and those with disabilities. Comprehensive treatment is rendered with a variety of management techniques, including conscious sedation and general anesthesia.

1302717	Biomaterials	2 credit hours
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Pre-request: None

This course aims to improve knowledge on the modern materials used in clinical dentistry, their properties and manipulations and uses in the field of dentistry.

1303775	Craniofacial Growth and Development	1 credit hour
Pre-request: None		
This course offers a clinically relevant understanding of craniofacial growth and development and aims to train graduate student to deal with patients who present with various skeletal and dental anomalies. The course's purpose is also to cover the literature on various syndromes and developmental anomalies that affect the face.		

1303712	Current topics in pediatric dentistry	3 credit hours
Pre-request: None		
The purpose of this course is to expose the students to recent published articles related to the scope of pediatric dentistry. Besides enabling the student how to read and criticize in a scientific manner the articles, the student will be up to date with the novelty in the field of specialty of pediatric dentistry.		

1303776	Pediatric Dentistry and Periodontal Interface	1 credit hour
Pre-request: None		
This course will educate the postgraduate into the aspects of periodontal disease related to pediatric dentistry and their treatment. Topics covered will include gingival hyperplasia and surgical techniques of management and severe periodontal disease and its management. The relevance of gingival status and levels to aesthetic and restorative decisions in the young adolescent patient are discussed.		

1303777	Radiology and Cephalometrics	1 credit hour
Pre-request: None		
This course provides a thorough understanding of craniofacial radiographic techniques with emphasis on cephalometric roentgenography. This course is designed to acquaint the student with the use of X rays, radiation hygiene, pathology and cephalometric techniques to assure proficiency in technical skills and in interpretation as needed for diagnostic procedures. This course includes both lecture and laboratory instruction.		

1303711	Clinical Pediatric Dentistry VI	3 credit hours
Pre-request: Clinical Pediatric Dentistry II and Clinical training at JUH 2		
Continued emphasis on the application of clinical techniques. During the third year, students learn to manage children with complex special health care needs, including inpatients. Students interact and coordinate with other medical departments within the hospitals. They utilize pharmacologic behavior management techniques for children, including those with special health care needs. Clinical experience with advanced pediatric dentistry treatment is provided. Patients requiring conscious sedation and general anesthesia are treated in the department clinic/ University Hospital. Rotations in hematology, oncology, and endocrinology departments will be arranged in monthly rotations. Also the students will be required to attend the pediatric dentistry specialty clinic and dental treatment of children under general anesthesia one day case unit at JUH.		

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