

1.	School	School of Dentistry
2.	Department	Joint Program / Conservative Dentistry Department & Removable Prosthodontic Department
3.	Program title (Arabic)	درجة الماجستير في التركيبات السنية الثابتة والمتحركة
4.	Program title (English)	Master Degree in Fixed and Removable Prosthodontics
5.	Track	Non Thesis

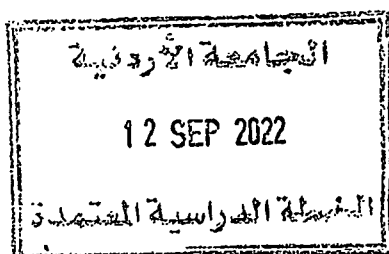
	Specialization	Degree	Dep #	Faculty #	Year	Track
Plan Number	20	8	2	13	2022	Non thesis

I. General Rules and Conditions:

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

II. Special Conditions:

- Applicants should have at least 2year post-qualification experience in general dentistry that might include an Internship Training Program.
- Applicants should have obtained a license to practice Dentistry in Jordan granted by the Ministry of Health (permanent license or training license for Non -Jordanians).
- Applicants must have passed the FULL MFDS Examination administered by one of the Royal Colleges in the United Kingdom or Full American National Board Dental Examination (NBDE).



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

1. Obligatory Courses: (33) credit hours

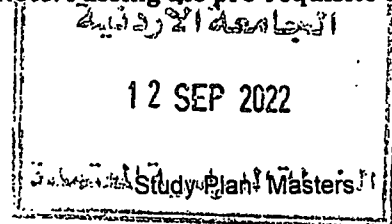
Course no.	Course title	Pre-requisite	hours/ per week		Credit hours			Total
			Theory	Clinical	1 st	2 nd	summer	
1302730	^Fixed and Removable Prosthodontics Theory I	-	1	-	1	1		2
1302731	^Fixed and Removable Prosthodontics Theory II	Fixed and Removable Prosthodontics Theory I	1	-	1	1		2
1302732	^Fixed and Removable Prosthodontics Theory III	Fixed and Removable Prosthodontics Theory II	1	-	1	1		2
1302736	^Fixed and Removable Prosthodontics Clinical IV		-	8	*4	*4		*8
1302737	^Fixed and Removable Prosthodontics Clinical V	Fixed and Removable Prosthodontics Clinical IV	-	6	*3	*3		*6
1302738	^Fixed and Removable Prosthodontics Clinical VI	Fixed and Removable Prosthodontics Clinical V		6	*3	*3		*6
1302740	**Clinical Training I		-	-	0	0	0	0
1302741	**Clinical Training II	Clinical Training I	-	-	0	0	0	0
1302742	**Clinical Training III	Clinical Training II	-	-	0	0	0	0
1304718	Dental Implantology	-	2	-	2			2
1302717	Biomaterials	-	2	-	2			2
1302707	Research methods and evidence-based practice	-	3	-	-	3		3

^ Extended courses first and second semesters

* 1 Clinical credit hour = at least 2 actual clinical training hours per week.

**Clinical training at JUH: at least 15 hours per week.

Note: Passing the pre-requisite clinical courses is mandatory

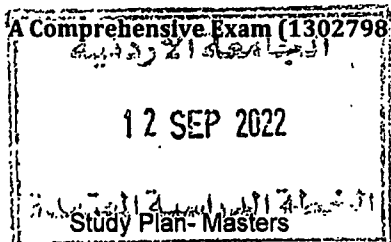


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2. Elective Courses: (9) credit hours to be chosen from the following:

Course no.	Course title	Pre-requisite	hours/ per week		Credit hours		Total
			Theory	Clinical	1 st semester	2 nd semester	
1304721	Maxillofacial Prosthesis	-	2	-	2	-	2
1302708	Occlusion and Treatment of TMJ Disorders	-	1	-	-	1	1
1302724	Aesthetics Dentistry	-	2	-	-	2	2
1303777	Radiology and Cephalometrics	-	1	-	-	1	1
1304725	Restorative and Periodontology Intervention	-	2	-	2	-	2
13023739	Current Topics in Prosthodontics and Implant Dentistry	-	1	-	1	-	1
1301716	Dental Management of Medically comprised patients	-	2	-	2	-	2
1302728	Advanced Endodontics Treatment	-	2	-	-	2	2
1303774	Preventive Dentistry	-	1	-	1	-	1
0703725	Statistical Methods for Health Care Research	-	3	-	-	3	3

3. A Comprehensive Exam (1302798).



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Non-Thesis TRACK

First year			
First semester		Second semester	
Course title	Credit hours	Course title	Credit hours
Fixed and Removable Prosthodontics Clinical IV	4	Fixed and Removable Prosthodontics Clinical IV	4
Fixed and Removable Prosthodontics Theory I	1	Fixed and Removable Prosthodontics Theory I	1
Elective (Occlusion)	1	Biomaterials	2
		Research methods and evidence-based practice	3
Clinical Training I	0	Clinical Training I	0
Total	6	Total	10
Summer semester			
Clinical Training I		0	
Total		0	
Second year			
First semester		Second semester	
Course title	Credit hours	Course title	Credit hours
Fixed and Removable Prosthodontics Clinical V	3	Fixed and Removable Prosthodontics Clinical V	3
Fixed and Removable Prosthodontics Theory II	1	Fixed and Removable Prosthodontics Theory II	1
Dental Implantology	2	Elective (Maxillofacial Prosthesis)	2
Elective (Restorative & Periodontology Interventions)	2	Elective (Radiology and Cephalometrics)	1
Clinical Training II	0	Clinical Training II	0
Total	8	Total	7
Summer semester			
Clinical Training II		0	
Total		0	

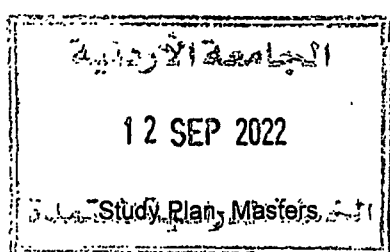
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Third Year

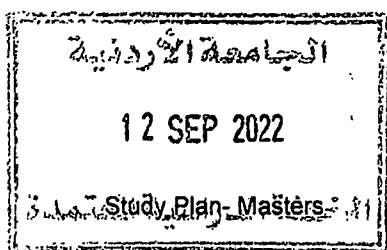
First semester		Second semester	
Course title	Credit hours	Course title	Credit hours
Fixed and Removable Prosthodontics Clinical VI	3	Fixed and Removable Prosthodontics Clinical VI	3
Fixed and Removable Prosthodontics Theory III	1	Fixed and Removable Prosthodontics Theory III	1
Elective (Current topics in Prosthodontics and Implant Dentistry)	1	Aesthetics Dentistry	2
Clinical Training III	0	Clinical Training III	0
Total	5	Total	6



Course Description

1302736	Fixed and Removable Prosthodontics Clinical IV	8 credit hours
Pre-request:	None	
<p>This clinical course aims to introduce students to the holistic approach of prosthetic treatment through the management of clinical cases that demand complete mouth rehabilitation. The students are assigned different cases where they are required to accomplish full history and clinical examination ending with the proposal of a sequential treatment plan. The requirements of this program encompass a wide variety of fixed and removable treatment modalities into which other disciplines such as periodontics and endodontics are incorporated. In addition, students are encouraged to perform most of the laboratory-based tasks, such as model mounting, diagnostic wax ups, surgical guides and provisional restorations. The first two weeks of this course will be dedicated for orientation of first year students such as everyone will practice exercises in fields of fixed prosthodontics, removable prosthodontics, and implant dentistry, and dental photography in order to put them all on the same page prior to starting treatment planning in clinic.</p>		

1302737	Fixed and Removable Prosthodontics Clinical V	6 credit hours
Pre-request	Fixed and Removable Prosthodontics Clinical IV	
<p>This clinical course is the continuation of Fixed and Removable Prosthodontics Clinical IV in a manner that enables the student to be exposed to a more complex clinical cases requiring fixed and/or removable prosthodontics management. Students' requirements include more elaborated and complex treatment options such as all ceramic fixed prosthesis, veneer preparations, and precision attachments. In that regard, students will be given an extensive two day course in implant surgery principles on artificial jaws as well as various suturing techniques in order to start treatment planning their implant patients and start implant placement under supervision during the second semester of the second year. Throughout this year students start providing treatment for simple implant-retained and supported prostheses.</p> <p>Students will also assist in teaching undergraduate students (DDS Program) in their clinical courses to enable postgraduates to advance their evaluation techniques used to assess clinical procedures and enhance their communication skills.</p>		



1302738	Fixed and Removable Prosthodontics Clinical VI	6 credit hours
Pre-request	Fixed and Removable Prosthodontics Clinical V	
<p>This course aims to consolidate knowledge and clinical skills necessary to manage patients with advanced prosthodontic needs and patients who need full mouth rehabilitations. Also, this course aims to train students in the surgical and periodontal interventions necessary before and during prosthodontic treatment and in particular for dental implants cases. Students will also assist in teaching undergraduate students (DDS Program) in their clinical courses to enable postgraduates to advance their evaluation techniques used to assess clinical procedures and enhance their communication skills. Students will be required to show competence in performing different treatments involving advanced implant-retained and supported prostheses.</p>		

1302730	Fixed and Removable Prosthodontics Theory I	2 credit hours
Pre-request	None	
<p>This course is designed to allow students to gain in-depth knowledge of topics related to fixed and removable prosthodontics in the form of weekly seminars. An updated literature review, in addition to the recommended textbooks form the basis of the interactive open discussions. The content will include basic principles of diagnosis and treatment planning in prosthodontics and management of prosthetic failures.</p>		

1302731	Fixed and Removable Prosthodontics Theory II	2 credit hours
Pre-request	Fixed and Removable Prosthodontics Theory I	
<p>This course exposes the student to a variety of topics related to advanced fixed and removable prosthodontics. Weekly seminars are held in which students are able to discuss recent literature on topics related to complete mouth rehabilitation. Through this course students will be able to integrate their fundamental knowledge in prosthodontics and employ contemporary concepts in their prospective prosthetic treatment. In addition, this course will introduce modern esthetics concepts as well as Implant dentistry.</p>		

1302732	Fixed and Removable Prosthodontics Theory III	2 credit hours
Pre-request	Fixed and Removable Prosthodontics Theory II	
<p>This course focuses on advanced prosthodontic procedures and methods in pre-prosthetic preparation for fixed and removable prosthodontics with emphasis on pre-prosthetic surgical procedures. In addition, it involves discussion of a wide range of challenging clinical scenarios from a treatment planning perspective as well as the role of advanced current technology that can be employed in such cases.</p>		

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1302717	Biomaterials	2 credit hours
Pre-request	None	
This theory course aims to improve knowledge in new materials used in clinical dentistry, their manipulation and uses in fixed and removable prosthodontic fields, maxillofacial prostheses and dental implants. In addition, to elaboration on the physical and chemical properties for these materials their biocompatibility and effects on the biological system.		

1304718	Dental Implantology	2 credit hours
Pre-request	None	
This theory course consists of advanced and successful options in treating partially and fully edentulous patients by dental implants supported partial fixed prostheses and implant-retained complete prostheses, in addition to patients with single missing tooth providing that there are no anatomical or psychological contra-indications. It also discusses all the basic principles of surgical and prosthetic aspects of implants and complications related to it.		

1302707	Research Methods and evidence-based practice	3 credit hours
Pre-request	None	
This course introduces students to research techniques and methodologies that can be applied throughout their practice settings. The course includes qualitative and quantitative research methods of finding evidence-based practice to help students make informed decisions in their clinical practice. The course describes the essentials of research ethics and the basics of good clinical practice. Analogous to these subjects the course illustrates the basis of academic writing essential to reading and writing scientific papers and elucidates fundamentals for dissertation thesis structure. The course trains postgraduate students to perform database mining, data collection and analysis using appropriate statistics. It will also include a systematic review training and an introduction to SPSS.		

1302740	Clinical Training I	0 credit hour
Pre-request	None	
Students will be trained throughout the summer semester in Prosthodontics specialty clinics in the specialty of Fixed and Removable Prosthodontics and implant therapy, and exposed to interdisciplinary treatment.		

1302741	Clinical Training II	0 credit hour
Pre-request	Clinical Training I	
Students will be trained throughout the summer semester in the Prosthodontics specialty clinics in the specialty of Fixed and Removable Prosthodontics and implant therapy, and exposed to interdisciplinary treatment.		

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1302742	Clinical Training III	0 credit hour
Pre-request	Hospital Clinical Training I	
Students will be trained throughout the summer semester in the Prosthodontics specialty clinics in the specialty of Fixed and Removable Prosthodontics and implant therapy, and exposed to interdisciplinary treatment.		

1304725	Restorative and Periodontology Intervention	2 credit hours
Pre-request	None	
This theory course provides an understanding of the etiology and development of periodontal diseases, diagnosis, methods of treatment, and the periodontal considerations in fixed and removable prosthodontics, biological concepts of crown lengthening, it also discusses theories of dentin hypersensitivity and its treatment, and the role of occlusion in periodontal diseases.		

1304721	Maxillofacial Prostheses	2 credit hours
Pre-request	None	
This course discusses the etiology of maxillofacial defects and role of other dental specialists together with the prosthodontist in management of these cases. This course also aims to teach the students the clinical steps of the construction of intra-oral and extra-oral facial prostheses, and it also describes different methods of fixation by means of dental implants, magnets, and adhesives materials.		

1302708	Occlusion and Treatment of TMJ Disorders	1 credit hour
Pre-request	None	
This theory course describes the normal occlusion for permanent dentition, congenital anomalies, and evaluation of normal occlusion. In addition, it involves theories of reconstruction of occlusion, and how to obtain an occlusally stable result on the long run, types of articulators, reconstruction of occlusion using provisional restoration clinically as a temporary solution till the final reconstruction is made by permanent fixed prostheses. It also deals with problems of malocclusion and their relation with TMJ, especially with mobile teeth, fillings, crowns, periodontal problems and muscular related factors.		

1302724	Aesthetics Dentistry	2 credit hours
Pre-request	None	
This course provides basic aesthetic considerations in operative dentistry focuses on tooth coloured direct and indirect restorations, adhesion theories, and adhesive restorations treatment of discolored teeth with anomalies by simple or complex interventions.		

1303777	Radiology and Cephalometrics	1 credit hour
Pre-request	None	
This course consists of a series of modules addressing 1) fundamentals of the production and interaction of x rays, 2) basics of radiation biology and radiation protection, 3) principles of different intraoral, extraoral, and advanced radiographic techniques, 4) and a review of all categories of head and neck pathologies with an emphasis on advanced imaging examples. An introduction to the principles of computerized tomography (Cone Beam computerized tomography CBCT), and of magnetic resonance imaging (MRI) of the head and neck will be included throughout the course.		

1302739	Current topics in Prosthodontics and Implant Dentistry	1 credit hour
Pre-request	None	
The purpose of this course is to expose students to the most recently in Prosthodontics. Besides enabling students to read and criticize articles in a scientific manner.		

1302728	Advance Endodontic Treatment	2 credit hours
Pre-request	None	
The objective of this module is to develop and understanding of the scientific literature and biological principles on which clinical endodontic treatment is based; this module covers different aspects in endodontics including: diagnosis and management of orofacial pain, recent development in root canal preparation and obturation, endodontic microbiology, success and failure, and retreatments.		

1301716	Dental Management of Medically Compromised Patients	2 credit hours
Pre-request	None	
In this course, the student will be familiar with the dental aspects of systemic diseases in terms of their effect on dental treatment and their effect on the oral hard and soft tissues. The student will also learn how drugs used in the treatment of these systemic diseases affect the oral health or complicate the dental management.		

1303774	Preventive Dentistry	1 credit hour
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.		

0703725	Statistical Methods for Health Care Research	3 credit hours
Pre-request	None	
<p>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.</p>		

