

Academic description of partial denture

1. Course Name: partial denture (advanced)					
2. Course Code:					
3. Semester / Year: First semester/fourth year					
4. Description Preparation Date: 30/1/2025					
5. Available Attendance Forms: Theoretical and practical in the classroom and laboratory					
6. Number of Credit Hours (Total) / Number of Units (Total): 30 theoretical hours + 60 practical hours/ 4					
7. Course administrator's name (mention all, if more than one name)					
Name: dr. Sanaa Noori Ali Email: alyaserim93@gmail.com					
8. Course Objectives					
Course Objectives	-Informing the student the basic steps for fabrication of partial denture -Enabling the prosthodontic student to fabricate different types partial denture				
9. Teaching and Learning Strategies					
Strategy	1. Learning based on explaining theoretical lectures in classrooms. The content of the lectures is to learn the student about the partial denture, how to fabricate partial denture, the laboratory tools and steps of partial denture And learning the student the classical and new techniques of manufacturing partial denture				
Course Structur					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
First	2	Acrylic and metal RPD and Kennedy classification	RPD Classification	theoretical	Short exams and discuss

Second	2	Surveying and Articulator	Types of articulators	theoretical	Short exams and discuss
Third	2	Types of RPD (part I)	Acrylic removable partial denture	theoretical	Short exams and discuss
Forth	2	Types of RPD (part II)	Chrome cobalt RPD	theoretical	Short exams and discuss
Fifth	2	Maxillary and Mandibular major connector	Major connectors	theoretical	Short exams and discuss
Sixth	2	Minor connector, Rest, and Rest seat	Types of rest and rest seat	theoretical	Short exams and discuss
Seventh	2	Extra coronal direct retainor	Working extra coronal retainor	theoretical	Short exams and discuss
Eighth	2	Intra coronal direct retainer	Learning intra coronal retainor	theoretical	Short exams and discuss
Ninth	2	Indirect Retainer	Working indirect retainor	theoretical	Short exams and discuss
Tenth	2	Stress breaker	Types of stress breaker	theoretical	Short exams and discuss
Eleventh	2	Denture base consideration and teeth selection for RPD	Types of denture base	theoretical	Short exams and discuss
Twelfth	2	Support for the distal extension denture base	Types of support for distal extension	theoretical	Short exams and discuss
Thirteenth	2	Establishment of occlusal relationship for R.P.D.	Bite registration and mounting	theoretical	Short exams and discuss
Fourteenth	2	A flexible removable partial denture	How to fabricate flexible denture	theoretical	Short exams and discuss
Fifteenth	2	RPD framework using CAD/CAM system	CAD/CAM and its application in removable prosthodontic	theoretical	Short exams and discuss

10. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc

Daily exams: 10% Semester exams: 70% Preparing reports: 10% Discussions in practical: 10%	
11. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	McKRACKEN
Main references (sources)	Text book of prosthodontics
Recommended books and references (scientific journals, reports...)	Dental journal
Electronic References, Websites	Google, google scholar, PubMed.

Academic description of complete denture

1. Course Name: complete denture					
2. Course Code:					
3. Semester / Year: first semester/fourth year					
4. Description Preparation Date: 25/1/2025					
5. Available Attendance Forms: Theoretical and practical in the classroom and laboratory					
6. Number of Credit Hours (Total) / Number of Units (Total): 30 theoretical hours + 60 practical hours/ 4					
7. Course administrator's name (mention all, if more than one name)					
Name: Asst. Lec. Zahraa Saadi Noori Email: drzahrara@gmail.com					
8. Course Objectives					
Course Objectives		- Introducing the student to the basic steps involved in making an acrylic complete denture - Enabling the student of the Dental Industry Department to know the basic steps followed in the manufacture of complete dentures acrylic			
9. Teaching and Learning Strategies					
Strategy	1– Teaching the student the ability to diagnose each case, distinguish between cases, and choose the appropriate treatment plan 2 – Teaching the student the best choice for dental prosthetics for each case 3– Introducing the student to laboratory tools and the steps for making a removable complete denture 4– Enabling the student to manufacture the removable complete denture				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method

First	2	Know the anatomical part of Maxillary and mandibular arch	Anatomical landmarks of maxillary and mandibular edentulous arch of complete denture	theoretical	Short exams and discuss
Second	2	Identify special tray, record base and occlusal rim construction methods in order to make complete denture	Special tray, record base, and occlusal rim construction methods in conventional and ready-made	theoretical	Short exams and discuss
Third	2	Know about the relation between the maxillary and mandibular arch	Maxillo-mandibular relationship	theoretical	Short exams and discuss
Fourth	2	Learn method of determination of occlusion	Occlusion	theoretical	Short exams and discuss
Fifth	2	Learn about the types of mandibular Movement	Mandibular movements	theoretical	Short exams and discuss
Sixth	2	Learn about the articulator, types, and how to use it	Face bow, Articulator and Mounting procedure	theoretical	Short exams and discuss
Seventh	2	Identify the types and size of artificial teeth	Selection of artificial teeth: anterior and posterior teeth	theoretical	Short exams and discuss
Eighth	2	Learn how to arrange teeth and it to make a complete denture class 1	Arrangement of artificial teeth Class I	theoretical	Short exams and discuss
Ninth	2	Learn how to arrange teeth and it to make a complete denture class 2 and 3	Arrangement of artificial teeth Class II and Class III	theoretical	Short exams and discuss
Tenth	2	Learn about wax using arrangement	Wax contouring and gingival carving	theoretical	Short exams and discuss
Eleventh	2	Identify the site and type of post dam	Post dam: Types and location in maxillary and mandibular edentulous arch	theoretical	Short exams and discuss
Twelfth	2	Learn how to put the cast in wax flask and packing	Flasking and packing of complete denture	theoretical	Short exams and discuss
Thirteenth	2	Get to know How to finish and polish the complete denture	Finishing and polishing of complete denture	theoretical	Short exams and discuss
Fourteenth	2	Learn about the type and technique of materials used in complete denture	The material used in complete denture base: materials and techniques	theoretical	Short exams and discuss
Fifteenth	2	Know about the definition and factors to obtain retention and stability	Retention and Stability in complete denture	theoretical	Short exams and discuss

11. Course Evaluation	
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc	
Daily exams: 10%	
Semester exams: 70%	
Preparing reports: 10%	
Discussions in practical: 10%	
12. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	
Main references (sources)	Boucher's Prosthodontic Treatment Edentulous Patients
Recommended books and references (scientific journals, reports...)	Dental journal
Electronic References, Websites	Google scholar

Academic description of Crown and Bridge

1. Course Name: Crown and Bridge					
2. Course Code:					
3. Semester / Year: First semester/ Fourth year					
4. Description Preparation Date: 27/1/2025					
5. Available Attendance Forms: Theoretical and practical in the classroom and laboratory					
6. Number of Credit Hours (Total) / Number of Units (Total): 30 theoretical hours + 60 practical hours/ 4					
7. Course administrator's name (mention all, if more than one name)					
Name: dr. Yasir Mohammed Kareem Email: yasserasadi1994@gmail.com					
8. Course Objectives					
Course Objectives		- Informing the student about the materials used in the manufacture of crowns and bridges and how to deal with them. - Enabling the student of the Department of Dental Technology manufacture fixed crowns and bridges.			
9. Teaching and Learning Strategies					
Strategy	1. Learning based on explaining theoretical lectures in classrooms. The content of lectures is to learn about the anatomy of teeth, their shapes and characteristics, and measurement of each tooth. Also, how to build crowns and bridges and replace miss teeth. This is done by showing pictures of clinical cases during lectures and explain each case. 2. Apply everything that was explained theoretically in the laboratory and build crowns and bridges from wax to replace missing teeth in the form of single crowns as well as in the form of connected bridges.				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method

First	2	Understand the type of restorations and how to build them	Types of fixed restoration and their waxing techniques	Theoretic al	Short exams and discuss
Second	2	Understand types of connectors and how to make them	Types of connectors, types of poetics	Theoretic al	Short exams and discuss
Third	2	Understand the preparation technique and their mechanical and biological features	Principles of tooth preparation: biological, mechanical	Theoretic al	Short exams and discuss
Forth	2	Understand the preparation technique and their esthetic features	Principle of tooth preparation: esthetic consideration	Theoretic al	Short exams and discuss
Fifth	2	Understand how to design digital smile using contemporary technique	Digital smile design	Theoretic al	Short exams and discuss
Sixth	2	Understand the new technologies of 3d design and print	Scanners and 3d printing technique	Theoretic al	Short exams and discuss
Seventh	2	How to classify All ceramic restoration	All ceramic restoration: classification	Theoretic al	Short exams and discuss
Eighth	2	How to build all ceramic crown	All ceramic restoration: aluminous core/ slip cast	Theoretic al	Short exams and discuss
Ninth	2	How to build Pressed ceramic restoration	Pressed ceramic restoration	Theoretic al	Short exams and discuss
Tenth	2	How to build Porcelain labial margin	Porcelain labial margin	Theoretic al	Short exams and discuss
Eleventh	2	How to classify Machined ceramic restoration	Machined ceramic restoration: type	Theoretic al	Short exams and discuss
Twelfth	2	How to build Machined ceramic restoration	Machined ceramic restoration: technique	Theoretic al	Short exams and discuss
Thirteenth	2	Learning how to examining the final work and identify the defects	Visual perception	Theoretic al	Short exams and discuss

Fourteenth	2	Understand how to use crown as a retainer for removable bridge	Retainer for a removable partial denture	Theoretical	Short exams and discuss
Fifteenth	2	How to make precision attachment	Precision attachment	Theoretical	Short exams and discuss

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc

Daily exams: 10%

Semester exams: 70%

Preparing reports: 10%

Discussions in practical: 10%

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Principle and technique of Crowns and Bridge book
Main references (sources)	Contemporary fixed prosthodontic
Recommended books and references (scientific journals, reports...)	Essentials of fixed Prosthodontic
Electronic References, Websites	Google, google scholar, PubMed.

Academic description of orthodontic

1. Course Name: orthodontic					
2. Course Code:					
3. Semester / Year: First semester/3rdyear					
4. Description Preparation Date: 24/1/2025					
5. Available Attendance Forms: Theoretical and practical in the classroom and laboratory					
6. Number of Credit Hours (Total) / Number of Units (Total): 30 theoretical hours + 30 practical hours / 3					
7. Course administrator's name (mention all, if more than one name)					
Name: Dr. Majid Alwan Email: ---					
8. Course Objectives					
Course Objectives	- Learn the basics of orthodontic - Knowledge of the development of orthodontic - Identify all the cases of orthodontic and appliance				
9. Teaching and Learning Strategies					
Strategy	It aims to enable students to know the orthodontic cases and line of treatment by different types of orthodontic appliance				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
First	2	Development of normal occlusion	Occlusion	theoretical	Short exams
Second	2				and discuss
Third	2	Andrew's keys normal occlusion	Occlusion	theoretical	Short exams
					and discuss
Forth	2	Orthodontic wires	Wires	theoretical	Short exams
					and discuss

Fifth	2	Development of primary teeth	Primary teeth	theoretical	Short exams and discuss
Sixth	2	Development of secondary teeth	Permanent teeth	theoretical	Short exams and discuss
Seventh	2	Mixed dentition	Dentition	theoretical	Short exams and discuss
Eighth	2	Malocclusion	Malocclusion	theoretical	Short exams and discuss
Ninth	2	Open bite	Open bite	theoretical	Short exams and discuss
Tenth	2	Cross bite	Cross bite	theoretical	Short exams and discuss
Eleventh	2	Deep bite	Deep bite	theoretical	Short exams and discuss
Twelfth	2	Construction of removable orthodontic appliance	Construction	theoretical	Short exams and discuss
Thirteenth	2	Bite plane and modification	Bite plane	theoretical	Short exams and discuss
Fourteenth	2	Expansion springs	Spring	theoretical	Short exams and discuss
Fifteenth	2	Tissue changes and tooth movement	Changes through tooth movement	theoretical	Short exams and discuss

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc

Daily exams: 10%

Semester exams: 70%

Preparing reports: 10%

Discussions in practical: 10%

12. Learning and Teaching Resources

Required textbooks	Textbook of orthodontic
Electronic References, Websites	Internet site and lectures

Academic description of Maxillofacial prosthesis (moderate)

1. Course Name: Maxillofacial prosthesis (moderate)					
2. Course Code:					
3. Semester / Year: first semester/Fourth year					
4. Description Preparation Date: 30/1/2025					
5. Available Attendance Forms: Theoretical and practical in the classroom and laboratory					
6. Number of Credit Hours (Total) / Number of Units (Total): 30 theoretical hours + 60 practical hours/ 4					
7. Course administrator's name (mention all, if more than one name)					
Name: d. Sanaa Noori Ali Email: alyaserim93@gmail.com					
8. Course Objectives					
Course Objectives		-Informing the student about what is maxillo facial prosthesis and how to fabricate various types of prosthesis and informing the student by new and classical technique for fabrication maxillo facial prosthesis -Informing the student about how to diagnose each case and how differentiate between cases and informing the student to choose the suitable solution for each case			
9. Teaching and Learning Strategies					
Strategy		- Teaching the student the ability to diagnose each case - Teaching the student to distinguish between cases and select the best treatment - Teaching the student about most suitable choice of restoration -teaching the student to fabricate maxillo facial prosthesis			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method

First	2	Introduction to Maxillofacials	Maxillofacial prosthesis work	theoretical	Short exams and discuss
Second	2	Basic Principles of Restorations	Principle of maxill Facial prosthesis	theoretical	Short exams and discuss
Third	2	Ocular Prosthesis Introduction	Anatomy of eye	theoretical	Short exams and discuss
Forth	2	Ocular Prosthesis Impression Material	Types of impress material used for eye prosthesis	theoretical	Short exams and discuss
Fifth	2	Ocular Prosthesis Impression Techniques	Technique for tak eye imression	theoretical	Short exams and discuss
Sixth	2	Ocular Prosthesis Fabrication	How to make eye prosthesis	theoretical	Short exams and discuss
Seventh	2	Orbital Defects Introduction	Types of eye defe	theoretical	Short exams and discuss
Eighth	2	Orbital Defects Impression	How to correct defect	theoretical	Short exams and discuss
Ninth	2	Orbital Defects Fabrication	Process fabrication of prosthesis	theoretical	Short exams and discuss
Tenth	2	Orbital Defects Retention	Method of retentio eye prosthesis	theoretical	Short exams and discuss
Eleventh	2	Ear Defects Introduction	Ear anatomy	theoretical	Short exams and discuss
Twelfth	2	Ear Defects Impression	Impression of ear	theoretical	Short exams and discuss
Thirteenth	2	Ear Defects Fabrication	Flasking fabrication of prosthesis	theoretical	Short exams and discuss
Fourteenth	2	Ear Defects Retention	Methods of reten of ear prosthesis	theoretical	Short exams and discuss
Fifteenth	2	Meatal Opening Device	Technique of mea opening device	theoretical	Short exams and discuss

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc

Daily exams: 10%

Semester exams: 70%

Preparing reports: 10%

Discussions in practical: 10%

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Maxillo facial rehabilitation
Main references (sources)	Textbook of maxillofacial prosthesis
Recommended books and references (scientific journals, reports...)	Dental journals
Electronic References, Websites	Google

Academic description of Dental Implantology

1. Course Name: Dental Implant					
2. Course Code:					
3. Semester / Year: First semester/Fourth year					
4. Description Preparation Date: 27/1/2025					
5. Available Attendance Forms: Theoretical and practical in the classroom and laboratory					
6. Number of Credit Hours (Total) / Number of Units (Total): 30 theoretical hours + 60 practical hours/ 4					
7. Course administrator's name (mention all, if more than one name)					
Name: Dr. Yasir Mohammed Kareem Email: yasserasadi1994@gmail.com					
8. Course Objectives					
Course Objectives	- Informing the student about the requirements of dental implants and the types of dental prosthetics integrated with dental implants. - Informing the student about how to build up dental prostheses that are attached and supported by dental implants.				
9. Teaching and Learning Strategies					
Strategy	1. Learning based on explaining theoretical lectures in classrooms. The content of lectures is to learn about the dental implantology, their types, technologies, how to restore teeth by implant, and how to build teeth on implant in lab. 2. Apply everything that was explained theoretically in the laboratory. Show the students slides for clinical cases and also training them on implant prosthesis components.				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
First	2	Understanding dental implant terminology and the origin of implant dentistry	Dental implant [terminology and historical background]	theoretical	Short exams and discuss

Second	2	Understand the Components and types of dental implant	Components and types of dental implant	theoretical	Short exams and discuss
Third	2	Understand Biomaterials for dental implant and how to deal with them	Biomaterials for dental implant	theoretical	Short exams and discuss
Forth	2	Understand the osseointegration and surgical procedure	Dental implant: osseointegration and surgical procedure	theoretical	Short exams and discuss
Fifth	2	How to plan Treatment options for dental implant	Treatment options for dental implant	theoretical	Short exams and discuss
Sixth	2	Understanding types of dental abutment and where to use them	Types of abutments	theoretical	Short exams and discuss
Seventh	2	How to create cast for dental implant	Cast fabrication of dental implant (direct method)	theoretical	Short exams and discuss
Eighth	2	Understanding how to fabricate dental Implant cast indirectly	Cast fabrication of dental implant (indirect method)	theoretical	Short exams and discuss
Ninth	2	Understand the Attachment system in dental implant	Attachment system in dental implant	theoretical	Short exams and discuss
Tenth	2	Understand Implant-supported complete denture	Implant-supported complete denture	theoretical	Short exams and discuss
Eleventh	2	Understand the CAD-CAM technology in dental implant and new technologies	CAD-CAM technology in dental implant	theoretical	Short exams and discuss
Twelfth	2	Understand Implant-supported metal/ceramic FPDs (direct method)	Implant-supported metal/ceramic FPDs (direct method)	theoretical	Short exams and discuss
Thirteenth	2	Understand Implant-supported metal/ceramic FPDs (indirect method)	Implant-supported metal/ceramic FPDs (indirect method)	theoretical	Short exams and discuss

Fourteenth	2	Understand the Implant-supported restoration: failure and complications, and how to resolve them	Implant-supported restoration: failure and complications	theoretical	Short exams and discuss
Fifteenth	2	Understand the Implant-supported restoration: maintenance and follow-up phase	Implant-supported restoration: maintenance and follow-up phase	theoretical	Short exams and discuss

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc

Daily exams: 10%

Semester exams: 70%

Preparing reports: 10%

Discussions in practical: 10%

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Fundamental of implant dentistry Book, dental implant restoration impla
Main references (sources)	Contemporary implant dentistry
Recommended books and references (scientific journals, reports...)	Essentials of dental implantology
Electronic References, Websites	Google, google scholar, PubMed.

Course Description Form

1. Course Name: Professional conduct	
2. Course Code:	
3. Semester / Year: first semester / fourth year	
4. Description Preparation Date: 2/9/2025	
5. Available Attendance Forms: Theoretical in the classroom	
6. Number of Credit Hours (Total) / Number of Units (Total) :30 theoretical hours / 4	
7. Course administrator's name (mention all, if more than one name)	
Name: MSc. Rakhaa Shaker Email: rukha.s@utq.edu.iq	
8. Course Objectives	
Course Objectives	Develop a comprehensive understanding of concepts of professional ethics. Enhance teamwork. Increase productivity and improve the quality work, which enhances success.
9. Teaching and Learning Strategies	
Strategy	Explaining theoretical lectures using PowerPoint
10. Course Structure	

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
First and second	2		Professional conduct Its importance and definition- His concept - Its practical applications - Types of employees and ways to deal with each type - The methods that the manager must follow to encourage the employee and encourage him to work and increase his productivity	theoretical	Short exams and discuss
Third and Forth	2		-Principles of professional ethics in the stages of cultural developments Sumerian civilization Babylonian civilization Greek civilization Arab Islamic civilization Modern medicine	theoretical	Short exams and discuss
Fifth and Sixth	2		- Basic ethics of the profession Characteristics of professional ethics How to employ professional ethics Characteristics and qualities of health workers	theoretical	Short exams and discuss

Seventh and Eighth	2		Health staff duties Duties of the health staff towards their profession Duties of the health staff towards society The duties of the health staff towards themselves Duties of the health staff of the institution in which he works	theoretical	Short exams and discuss
Ninth and tenth	2		Professional compatibility Basic communication skills for medical team members Communication skills and personality types	theoretical	Short exams and discuss
Eleventh and Twelfth	2		Values, customs and traditions - Values Characteristics of values Types of personal values The importance of values	theoretical	Short exams and discuss
Fifteenth			Professional behavior in patient care - Patient rights and duties Managing the complaints department in hospitals Objectives of managing complaints departments in	theoretical	Short exams and discuss

			hospitals		
Sixteenth	2	Medical report Types of medical reports		theoretical	Short exams and discuss

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	Google scholar