

1	Course title	Removable Prosthodontics theory (2)
2	Course number	1304445
3	Credit hours (theory, practical)	One credit hour (theory)
	Contact hours (theory, practical)	One hour/week
4	Prerequisites/corequisites	Removable Prosthodontics Didactic (1)
5	Program title	Doctor of Dental Surgery (DDS)
6	Program code	NA
7	Awarding institution	The University of Jordan
8	Faculty	Faculty of Dentistry
9	Department	Prosthodontics
10	Level of course	Bachelor
11	Year of study and semester (s)	Fourth year first and second semesters 2022/2023
12	Final Qualification	DDS
13	Other department (s) involved in teaching the course	None
14	Language of Instruction	English
15	Date of production/revision	

#### 16. Course Coordinator:

Office numbers, office hours, phone numbers, and email addresses should be listed.

*Dr. Salah AlOmoush, [dr\\_omoush@ju.edu.jo](mailto:dr_omoush@ju.edu.jo)*

#### 17. Other instructors:

*Office numbers, office hours, phone numbers, and email addresses should be listed.*

*Dr. Nadia Ereifej, [Nadia.ereifej@ju.edu.jo](mailto:Nadia.ereifej@ju.edu.jo)*

*Dr. Nisreen Salem, [n.salim@ju.edu.jo](mailto:n.salim@ju.edu.jo)*

*Dr.Motasum Abu Awwad, phone 23552, email: [motasum@ju.edu.jo](mailto:motasum@ju.edu.jo)*

*Dr.Rasha Omoush, email : [r.omoush@ju.edu.jo](mailto:r.omoush@ju.edu.jo)*

*Dr.Mohammad Bustani [m.bustani@ju.edu.jo](mailto:m.bustani@ju.edu.jo)*

*Dr.Samiha Sartawi [s.sartawi@ju.edu.jo](mailto:s.sartawi@ju.edu.jo)*

**18. Course Description:**

Introduction "orientation to the course"	1	Dr. AlOmoush
Examination	2	Dr. AlOmoush
The primary impression (review of materials & techniques)	3	Dr. AlOmoush
Prosthodontics management of the gagging reflex	4	Dr. AlOmoush
The final or master impression	5	Dr. AlOmoush
Reviewing the principles of the maxilla–mandibular relationships	6	Dr.Alomoush
Reviewing the principles of the maxilla–mandibular relationships	7	Dr.Alomoush
Try–in wax denture and phonotics	8	Dr.Alomoush
I. Insertion of complete denture and post–insertion instructions	9	Dr.Samiha
Denture post delivery problems causes and their solutions I	10	Dr.Samiha
Denture post delivery problems causes and their solutions II	11	Dr.Samiha
Pre–prosthetic and surgical preparation of the patient	12	Dr. AlOmoush
Conditions requiring pre–prosthetic surgery.. continued , soft tissue: prominent freni,flabby or fibrous ridges	13	Dr. AlOmoush
Retention, stability and support of complete dentures	14	Dr.Motasum
Challenges in the management of fully edentulous patients	15	Dr.Mutasem
Examination, treatment planning, primary impressions and diagnostic casts	16	Dr.Mutasem
Surveying I	17	Dr.Mutasem
Surveying II	18	Dr.Mutasem
RPD mechanics	19	Dr.Nisreen
RPD design for Kennedy Classes: I and II	20	Dr.Nisreen
RPD design for Kennedy Classes II and IV	21	Dr.Nisreen
Mouth preparation: Surgical, periodontal, restorative procedures	22	Dr.Rasha
Tooth preparations: Guide planes, rest seats, recontouring of tooth surfaces, the use of adhesive restorations, inlays, prosthetic crowns to modify unfavorable survey lines.	23	Dr.Rasha
Secondary impressions: Anatomic and physiologic impressions	24	Dr.Rasha

Metal framework try in and the Altered Cast Technique.	25	Dr.Rasha
Occlusal registration and wax try in	26	Dr.Rasha
Insertion and review	27	Dr.Bustani
Repairs of RPD	28	Dr.Bustani

**18. Course Description:**

*This course discusses the principles of removable Prosthodontics. Besides reviewing the relevant anatomy and physiology of the craniofacial region and occlusion, it explores equipment, instruments, materials and various steps of procedures and techniques used for the construction of complete and partial removable dentures with interest to characterization of dentures basis for esthetics*

**A- 19. Course aims and outcomes: Aims:**

1. Provide the students with knowledge of the principles and practice of complete dentures, partial dentures, treatment planning, pre-prosthetic surgery, and dental technology in relation to prosthetic dentistry. This is in the form of lectures from history taking and examination to the recall and assessment stage.
2. Expand on clinical procedures that have been discussed in previous courses and practiced in the laboratory, such primary and secondary impression making for completely/partially edentulous patients, obtaining maxillomandibular relationship, teeth selection and set up and RPD components and design.
3. Introduce the student to procedures of delivery of the complete/partial dentures and management of post-delivery complaints as well as follow up and maintenance procedures.

**B- Intended Learning Outcomes (ILOs):**

1. Understand all clinical and laboratory steps involved in fabrication of conventional removable complete/partial dentures.
2. Gain competency in history taking, clinical examination and the formulation of the most appropriate treatment plan. Identifying patient's problems and rendering a diagnosis requires insight to a patient's social and medico dental background.
3. know in detail how to gather all the necessary diagnostic information through a detailed history and intra /extra oral exams in order to get to the suitable treatment plan for the individual patient.
4. know the basic scientific principles regarding the retention, stability and support of complete dentures.
5. know all clinical and laboratory procedures involved in making primary and secondary impressions, and how to manage gag reflex.
6. Be familiar with the preprosthetic surgical procedures.
7. Understand the principles of tooth selection, occlusion and setting of teeth for partial and complete denture.
8. Understand the principles of wax denture trial and phonetics for removable dentures and gaining patient's approval for processing of the definitive prosthesis.
9. Become familiar and understand the requirements of denture delivery & how to follow it up.
10. Be familiar with the clinical techniques that are used in our daily practice for construction of the prostheses and maintenance of the hard and soft tissues.
11. Gain theoretical knowledge on the management of problems and complication of the removable prosthesis
12. Know the functions, shape, form and location of different components of RPD.
13. Understand the basic principles of Removable partial denture (RPD) design.
14. Understand the basic procedure of cast surveying and know the necessary tooth preparation procedures for RPDs, and steps of RPD fabrication
15. Understand the basic procedures involved in RPD repairs.
16. Know how to apply all the theoretical knowledge obtained through this course in clinic.
17. Know how to authorize work to dental technicians.
18. Be able to write lab authorization form and communicate with the dental technician.

**20. Topic Outline and Schedule:**

1.

Topic	Week	Instructor	Achieved ILOs	Evaluation Methods	Reference
Introduction "orientation to the course"	1	Dr. AlOmoush	1-3	22 (A,C)	25 (1,2)
Examination	2	Dr. AlOmoush	1-3	22 (A,C)	25 (1,2)
The primary impression (review of materials & techniques)	3	Dr. AlOmoush	4,5	22 (A,C)	25 (1,2)
The final or master impression	5	Dr. AlOmoush	4,5	22 (A,C)	25 (1,2)
Reviewing the principles of the maxilla-mandibular relationships	6	Dr.Alomoush	8	22 (B,C)	25 (1,2)
Try-in wax denture and phonetics	7	Dr.Alomoush	8	22 (B,C)	25 (1,2)
Insertion of complete denture and post-insertion	8	Dr.Samiha	9-11	22 (B,C)	25 (1, 2)
Denture post delivery problems causes and their solutions I	9	Dr.Samiha	9-11	22 (B,C)	25 (1, 2)
Denture post delivery problems causes and their solutions II	10	Dr.Samiha	12-14	22 (B,C)	25 (3, 4)
Pre-prosthetic and surgical preparation of the patient	11	Dr. AlOmoush	6	22 (A,C)	25 (1,2)
Conditions requiring pre-prosthetic surgery.. continued , soft tissue: prominent freni,flabby or fibrous ridges	12	Dr. AlOmoush	6-10	22 (A,C)	25 (1,2)
Retention, stability and support of complete dentures	13	Dr.Motasum	7,8	22 (B,C)	25 (1,2)
Challenges in the management of fully edentulous patients	14	Dr.Motasum	7,8	22 (B,C)	25 (1,2)
Examination, treatment planning, primary impressions and diagnostic casts	15	Dr.Mutasem	1,2,12	22 (B,C)	25 (3, 4)

Surveying I	16	Dr.Mutasem	14	22 (B,C)	25 (3, 4)
Surveying II	17	Dr.Mutasem	14	22 (B,C)	25 (3, 4)
RPD mechanics	18	Dr.Nisreen	12,14	22 (C)	25 (3, 4)
RPD design for Kennedy Classes: I and II	19	Dr.Nisreen	13,14	22 (C)	25 (3, 4)
RPD design for Kennedy Classes II and IV	20	Dr.Nisreen	13,14	22 (C)	25 (3, 4)
Mouth preparation: Surgical, periodontal, restorative procedures	21	Dr.Rasha	15	22 (C)	25 (3, 4)
Tooth preparations: Guide planes, rest seats, recontouring of tooth surfaces, the use of adhesive restorations, inlays, prosthetic crowns to modify unfavorable survey lines.	22	Dr.Rasha	12,14	22 (c)	25 (3,4)
Secondary impressions: Anatomic and physiologic impressions	23	Dr.Rasha	12,14	22 (c)	25 (3,4)
Metal framework try in and the Altered Cast Technique.	24	Dr.Rasha	14	22 (c)	25 (3,4)
Occlusal registration and wax try in	25	Dr.Rasha	14	22 (c)	25 (3,4)
Insertion and review	26	Dr.Bustani	14.17	22 ( c)	25 (3,4)
Repairs of RPD	27	Dr.Bustani	14.17	22 ( c)	25 (3,4)
Acrylic RPD's	28	Dr.Motasum	15	22 (C)	25(3,4)

## 21. Teaching Methods and Assignments:

Development of ILOs is promoted through the following teaching and learning methods:

- Class lectures, handouts and presentations are designed to achieve the course objectives
- The acquired skills and knowledge during this course will prepare the student for working on real patients and their models
- The students are responsible of the material covered during the course
- Any difficulty or concern during the course should be passed to the instructors and course coordinator immediately.

Duration: 28 lectures , 1 per week during the first and second semesters

Lectures/Practical Sessions: 1 lecture per week (a total of 28 hours).

## 22. Evaluation Methods and Course Requirements:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

Exams' Format: Theory exams are likely to be in the form of MCQs. However; they might be in other forms including projects, assignments, quizzes and viva.

Graded exams: MCQs will be computer based and the answers will be discussed in the class.

Make up Exams: It is applicable when an acceptable and valid excuse is presented at the applicable time.

Dates: According to Registration Unit and the Examination committees.

Quizzes and Participation form portion of the assessment

- A) First exam : During the first semester 25%
- B) Second exam: During the second semester 25%
- C) Final exam at the end of the academic year 50%

## 23. Course Policies:

A- Attendance policies:

- Attendance is mandatory for all lecture.

- UJ regulations will be applied when you exceed 10% of an excused absence.
- Course drop date is according the UJ regulations.
- Cooperation and professionalism during the lecture time are very helpful and encouraged to facilitate your progress in the course.

B- Absences from exams and handing in assignments on time:

Uj regulations regarding absence from exams will be applied.

C- Health and safety procedures:

D- Honesty policy regarding cheating, plagiarism, misbehavior:

Cheating:

- It is unethical and illegal by any means
- UJ regulations will be applicable
- The work should be your own, otherwise it will be scored zero.

E- Grading policy:

First exam : During the first semester 25%

Second exam: During the second semester 25%

Final exam at the end of the academic year 50%

F- Available university services that support achievement in the course:

Lectures are uploaded through E-learning prior to the lecture to facilitate following the lecture easily.

## 24. Required equipment:

NA

## 25. References:

Recommended books, materials, and media:

Textbooks:

1. Fenn, Liddelow & Gimson's :Clinical Dental Prosthetics 3rd. ed
- 2• Prosthodontic Treatment for Edentulous Patients: Complete Dentures and Implant-Supported Prosthesis by George A. Zarb, Charles L. Bolender, Steven E. Eckert, and Aaron H. Fenton (2003)



- 3• McCracken's Removable Partial Prosthodontics (Carr, McCracken's Removable Partial Prosthodontics) by Alan B. Carr, Glen P. McGivney, David T. Brown. Elsevier, 2005, 11th ed.
- 4• Dental Laboratory Procedures. Removable Partial Dentures, Volume 3 (v. 3) (Hardcover) by Kenneth D. Rudd, Robert M. Morrow, Harold F. Eissmann

**26. Additional information:**

Name of Course Coordinator: ----- Signature: ----- Date: -----

Head of curriculum committee/Department: ----- Signature: -----

Head of Department:----- Signature: -----

Head of curriculum committee/Faculty: ----- Signature: -----

Dean: ----- -Signature: -----

Copy to:  
Head of Department  
Assistant Dean for Quality Assurance  
Course File