

1	Course title	Removable Prosthodontics theory (1)
2	Course number	1304343
3	Credit hours (theory, practical)	One credit hour (theory)
	Contact hours (theory, practical)	One hour/week
4	Prerequisites/corequisites	None
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	Department of Prosthodontics
10	Level of course	Bachelor
11	Year of study and semester (s)	Third year first and second semesters 2019/2020
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. Wijdan Manaseer. Phone 23552 email: almanaseerwijdan@yahoo.com

17. Other instructors:

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

Dr. Nadia Ereifej, Nadia.ereifej@ju.edu.jo

Dr. Nisreen Salem, nisreen_salim1@yahoo.com

Dr. Samiha Sartawi. Phone: 23552 email: s.sartawi@ju.edu.jo

Dr. Motasum Abu Awwad. Phone 23552 email: motasum@yahoo.com

Dr. Wijdan Manaseer. Phone 23552 email: almanaseerwijdan@yahoo.com

**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 basic theoretical background to assist them in managing completely/partially edentulous patients using removable complete or partial dentures. This is in the form of lectures from history taking and examination to the recall and assessment stage.
2. Provide slide shows on the various steps involved in fabrication of complete and removable partial dentures.
3. Prepare the students for the clinics to be familiar with all clinical and laboratory steps in complete/removable partial denture construction and how to manage edentulous patients

B- Intended Learning Outcomes (ILOs):

1. Dental student should become well versed in the knowledge of basic principles of complete dentures and removable partial dentures terminology and construction.
2. Ability to distinguish differences between dentate and edentulous statuses in regards to consequences of edentulism and the available treatment options for completely/partially edentulous patients.
3. Be familiar with the anatomy of the denture bearing areas in the mandible and maxilla. Understand the classification of edentulous arches.
4. Become familiar with primary impression making and understand factors influencing degree of tissue displacement, types of trays and materials used for primary impression making.
5. Become familiar with secondary impression making, special tray fabrication, border moulding, impression making and production of master cast.
6. Become familiar with mandibular movements and maxillomandibular relationships of the edentulous patient, and principles of articulators and facebow use.
7. Become familiar with artificial teeth types, selection, and setting guidelines.
8. Become familiar with principles of dentures wax up and festooning and try in assessment as well as denture processing steps.
9. Become familiar with RPD types and components.
10. Become familiar with principles of surveying, tooth modifications, and RPD design philosophies.
11. Become familiar with the sequence of RPD fabrication.
12. Know the functions, shape, form and location of different components of RPD.
13. Become familiar with altered cast technique.
14. 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 to the complete denture prosthodontics. Terminology	1	Dr. AlSalem	1,2	22 (A,C)	25. A (1,2,3)
Anatomy of the maxillary and mandibular denture bearing areas	2	Dr. AlSalem	3	22 (A,C)	25. A (1,2,3)
The primary impression	3	Dr. Motasum	4	22 (A,C)	25. A (1,2,3)
The secondary impression	4	Dr. Motasum	5	22 (A,C)	25. A (1,2,3)
Mandibular movements	5	Dr. AlSalem	6	22 (A,C)	25. A (1,2,3)
Vertical dimension and horizontal relations of the mandible to the maxilla	6	Dr. AlSalem	6	22 (A,C)	25. A (1,2,3)
Articulators and face bow registration	7	Dr. Wijdan	6	22 (A,C)	25. A (1,2,3)
Artificial teeth	8	Dr. Samiha	7	22 (A,C)	25. A (1,2,3)
Arrangement of artificial teeth	9,10	Dr. Samiha	7	22 (A,C)	25. A (1,2,3)
Wax up of dentures	11	Dr. Nadia	8	22 (A,C)	25. A (1,2,3)
Packing, curing cycles	12	Dr. Nadia	8	22 (A,C)	25. A (1,2,3)
Processing errors laboratory remount and occlusal adjustments	13	Dr. Nadia	7	22 (B,C)	25. B (1,2,3)
Finishing the denture,	14	Dr. Nadia	8, 13	22 (A,C)	25. A (1,2,3)

insertion, and repairing					
Types of RPD	15	Dr. Motasum	9	22 (B,C)	25. B (1,2,3)
Surveying	16, 17	Dr. Motasum	10	22 (B,C)	25. B (1,2,3)
Guide planes: definition and preparation of anterior and posterior guide planes	18	Dr.Nadia	7	22 (B,C)	25. B (1,2,3)
Direct retainers: types components, requirements (support, retention,reciprocation)	19	Dr.Nadia	7	22 (B,C)	25. B (1,2,3)
Maxillary major connectors	20	Dr.Nadia	6	22 (B,C)	25. B (1,2,3)
Mandibular major connectors and minor connectors	21	Dr.Nadia	6	22 (B,C)	25. B (1,2,3)
Principles of design of the tooth borne partial dentures	22	Dr.Samiha	5	22 (B,C)	25. B (1,2,3)
Principles of desing of the tooth and tissue borne partial dentures, the need for stress breaking elements in such situations	23	Dr.Samiha	10	22 (B,C)	25. B (1,2,3)
Special trays.final impressions and production of master casts. Surveying master casts	24	Dr.Wijdan	11,13	22 (C)	25. B (1,2,3)
Wax block out.duplication and production of refractory cast.wax up ,spruing and investing . burn out	25	Dr.Wijdan	8	22 (C)	25. B (1,2,3)

casting RPD					
Metal try in.and the need for the altered cast techniques	26	Dr.Nadia	13	22 (B,C)	25. B (1,2,3)
Jaw relation registration. Occlusion and setting of artificial teeth. Processing, polishing and finishing	27	Dr.Alsalim	11	22 (C)	25. B (1,2,3)
Overview of removable partial denture prosthodontics	28	Dr.Alsalim	9-14	22 (C)	25. B (1,2,3)

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:

A) Complete Denture Prosthodontics:

- 1• Treatment of edentulous patients, McCord, Smith and Grey, 2004 Elsevier Limited.
- 2. Fenn, Liddelow & Gimson's :Clinical Dental Prosthetics 3rd. ed
- 3• Prosthodontic Treatment for Edentulous Patients: Complete Dentures and Implant-Supported Protheses by George A. Zarb, Charles L. Bolender, Steven E. Eckert, and Aaron H. Fenton (2003)

B) Partial Denture prosthodontics:

- 1• 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.
- 2• A color Atlas of Removable Partial Dentures by Basker R.M., Heath J.R., Ralph, J.P. Wolfe Medical Publications Ltd, 1988.
- 3• Dental Laboratory Procedures. Removable Partial Dentures, Volume 3 (v. 3) (Hardcover) by Kenneth D. Rudd, Robert M. Morrow, Harold F. Eissmann

Handouts: According to the lecturer

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

