

1	Course title	Fixed & Removable Prosthodontics-3
2	Course number	1302729
3	Credit hours (theory, practical)	4 hrs (1 theory, 3 practical)
	Contact hours (theory, practical)	2 hrs (theory)/2 weeks, 12 hrs (clinical)/week
4	Prerequisites/corequisites	Fixed & Removable Prosthodontics-2 (1304713)
5	Program title	MSc in Fixed & Removable Prosthodontics
6	Program code	
7	Awarding institution	The University of Jordan
8	Faculty	Faculty of Dentistry
9	Department	Department of Conservative Dentistry & Department of Removable Prosthodontics
10	Level of course	Masters
11	Year of study and semester (s)	Second year, First semester
12	Final Qualification	MSc
13	Other department (s) involved in teaching the course	Department of Conservative Dentistry & Department of Removable Prosthodontics
14	Language of Instruction	English
15	Date of production/revision	September 2018

16. Course Coordinator:

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

Dr Susan Hattar, office hours: Mon.12-2,
E-mail: s.hattar@ju.edu.jo

17. Other instructors:

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

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Prof Fouad Kathem, office hours: Sun.11-12, Tue: 12-1, Ext 23552, E-mail: fouadk@ju.edu.jo

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18. Course Description:

As stated in the approved study plan.

The theoretical component of this course aims at insuring that the students are well aware of the latest developments related to fixed and removable prosthodontics. The practical component of this course will be in the form of clinical sessions which aims at having a student capable of evaluating his/her gained skills and develop new diagnostic and clinical skills related to fixed and removable prosthodontics, including laboratory procedures.

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

- 1) Ensure that the students are well aware of the latest developments related to fixed and removable prosthodontics.
- 2) The practical components aim at having the student capable of evaluating his/her gained skills, and develop new diagnostic and clinical skills related to fixed and removable prosthodontics, including laboratory procedures.

B- Intended Learning Outcomes (ILOs): Upon successful completion of this course students will be able to ...

- 3) Show a high degree of skill in the choice and execution of appropriate operative techniques for all stages of the planned treatment
- 4) Carry out appropriate pre-prosthetic tissue management in collaboration with surgery interns and when necessary in order to obtain accurate impressions.
- 5) Treat cases requiring immediate dental prosthesis (fixed or removable), taking into consideration mechanical, biological, aesthetic and functional considerations.
- 6) Reproduce jaw relation-ships both centric and eccentric.
- 7) Fully understand the consequences and repercussions of the different nature of opposing arches (fully dentate, tissue supported, tissue-tooth supported prosthesis, or implant supported prosthesis). Ability to manage each case accordingly
- 8) Apply knowledge of precision attachment (intra and extra-coronal) used for RPD and maxillofacial prosthesis to treat cases requiring such modality.
- 9) Demonstrate competency in managing cases suffering from localized/generalized tooth wear, through proper diagnosis of the etiology, interim phase of treatment to increase vertical dimension and finalizing by rehabilitation of the case.
- 10) Employ basic knowledge of dental and facial aesthetics in the treatment of patients with missing anterior teeth. Apply concepts for soft and hard tissue aesthetics (white and pink aesthetics) as well as smile design.
- 11) Identify failures in fixed prosthodontics, designating the causes and aetiology responsible for their occurrences. Ability to manage such failures from a preventive & prosthodontic approach.
- 12) Design a portfolio that represents the students work at the end of the semester
- 13) Professionally present clinical work achieved by the student at the end of the semester. Be able to defend and discuss the treatment modalities offered to the patient and the final outcome.

20. Topic Outline and Schedule:

Seminar No.	Topic	Supervisor	Achieved ILOs	Evaluation Method	Reference
1 (week 2)	Immediate Replacement Protheses - Reproduction of effective maxilla-mandibular relationships - Preservation of masticatory and	Dr Tarawneh	3	22	25 (A&B)

	<p>speech functions</p> <ul style="list-style-type: none"> - Preservation of the status of health of the supporting structures - Technical considerations for full mouth replacement or segmental replacement 				
2 (week 4)	Refitting of full and partial replacement prostheses	Dr Tarawneh	5	22	25 (A&B)
3 (week 6)	Attachments in partial dental and maxillofacial prostheses	Prof Jamaini	6	22	25 (A&B)
4 (week 8)	Metal Based Adhesive and Resin bonded FPD	Prof Shammari		22	25 (A&B)
5 (week 10)	Esthetics in restorative dentistry	Dr Hattar	8	22	25 (A&B)
6 (week 12)	Special modalities of treatment in restorative work	Dr Hattar	7	22	25 (A&B)
7 (week 14)	Management of failures in fixed prosthodontics	Dr Hattar	9	22	25 (A&B)

21. Teaching Methods and Assignments:

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

- **Clinical Sessions**

Each clinic duration is 3 hours, 3 times a week. Students are asked to bring their patients and perform full examination and documentation of each case. Followed by a discussion of the comprehensive treatment plan with the instructors. After getting the approval for the clinical case, the student may start the clinical work that is continuously monitored and supervised by the instructor all through the semester.

- **Seminar Sessions**

Seminars will be lead by the faculty members listed in the course outline.

Every other week a seminar of 2 hours is given to the students corresponding the designated topic. Faculty members will distribute a number of "Key Scientific Articles" at least one week before the scheduled date of the seminar.

Each student will be responsible for reading and understanding all articles.

The seminar consists of a brief introduction of the subject (instructor), followed by a discussion of the most recent literature review.

Each student will be responsible for presenting one or two of the key articles during the seminar (10 – 15 min) and provide a typed and printed handout to everyone attending the seminar.

The seminar ends with an interactive discussion and exchange of ideas between students and staff members

22. Evaluation Methods and Course Requirements:

Requirements:

Students must accomplish by the end of the semester the following **MINIMUM** clinical requirements:

- 1) A treatment of patient with at least 8 units of crown/bridge work (min 6 prepared teeth)
- 2) Treatment of patient with combined fixed and removable prosthodontic work. (at least 3-4 full coverage preparations)
- 3) A treatment of patient which involve at least 4-6 Porcelain veneers OR 4-6 anterior all ceramic crowns
- 4) A fixed or removable prosthodontic treatment supported by implants.
- 5) 2 Complete denture patients (upper and lower arches)
- 6) An overdenture retained by natural teeth.
- 7) A Cr-Co partial denture patient
- 8) Miscellaneous work: cast post, endo molar, immediate denture, occlusal slint, crown lengthening.
- 9) Presentation of one case at the end of the semester.

IMPORTANT:

- All patients must be approved by the faculty of the graduate program.
- All postgraduates **MUST** abide by cross infection control measures and regulations. .
- All students **MUST** submit a portfolio containing the following:
 - I. Digital records of all their clinical cases including photographs
 - II. A table containing all the clinical requirements performed.
 - III. Seminars prepared
 - IV. Any publications, audits, abstracts presented by the student during the semester

Evaluation:

- 40 % of the mark is attributed to written exams (15% mid-term and 25% final)
- 60 % of the mark is attributed to the students clinical work (requirements)

23. Course Policies:

A- Attendance policies:

Seminar and clinic attendance is mandatory. However, 15% allowed absence is granted for students by the university law.

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

A make up exam is allowed in cases where the students misses the exam due to an acceptable excuse, and the excuse is submitted in due time according to the university regulations.

C- Health and safety procedures:

All patients must be approved by the faculty of the graduate program.

All postgraduates **MUST** abide by cross infection control measures and regulations.

D- Honesty policy regarding cheating, plagiarism, misbehavior:

We follow the rules and regulations set by the University of Jordan.

E- Grading policy:

Student overall grade will be comprised of:

- 15% midterm written exam
- 25% final written exam
- 60 % continuous clinical assessment
 - 25% on quality
 - 25% on quantity
 - 10% case presentation

F- Available university services that support achievement in the course:**24. Required equipment:**

Students are required to have:

- 1) **Semiadjustable articulator**
- 2) **Macrolens camera, intra-oral mirrors and retractors.**
- 3) **Laptop**
- 4) **Dental loops (optional)**

25. References:**A. Required book (s), assigned reading and audio-visuals:**

- 1) Contemporary Fixed Prosthodontics; by Rosenstiel FS, Land MF, Fujimoto J. 4th Edition. St Louis: Mosby.
- 2) Fundamentals of Fixed Prosthodontics; by Shillingburg HT, Hobo S, Whitset LD.. Quintessence, Chicago
- 3) Sturdevant's Art and Science of Operative Dentistry; by Sturdevant, C. M., Barton, R. E., Sockwell, C. L., Strickland, W. D. The C. V. Mosby Co. St. Louis.
- 4) Cohen's Pathways of the pulp; by Cohen, S., and Berman, R. C. 11th Edition 2015. Mosby Co. St.Louis.
- 5) McCracken's Removable Partial Prosthodontics; by Carr A, Brown D. 12th Edition 2010.

B- Key Scientific articles and the most updated literature articles are given for each seminar (The topics covered in the seminars constitutes the main exam material)

26. Additional information:

PG students must prepare the following documentation during the course of their study and clinical training:

- A cumulative logbook outlining all treatment provided to patients as well as a copy of the patient file

- All treatment plans should be co-signed by two supervisors BEFORE any treatment is started and registered at the academic coordinator. Any treatment carried out before a treatment plan is signed will not be counted towards requirements.
- PG students should make sure that their clinical cases are supervised by attending faculty members.
- A portfolio folder containing documentation of all clinical cases including clinical photographs and relevant radiographs as a brief PowerPoint presentations.

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