



**Jordan University of Science and Technology**  
**Faculty of Dentistry**  
**Dental Surgery Department**

DENT362 Removable Prosthodontics II - JNQF Level: 7

Second Semester 2022-2023

**Course Catalog**

3 Credit Hours. This course equips the student with the theoretical knowledge and practical skills of fabricating removable partial denture prosthesis, preparing them to use this treatment modality safely and successfully to treat partially edentulous patients Dent463 Removable Prosthodontics (3) clinics The following areas are covered in this course: - Classification of partially edentulous patients - Principles of preparing the patient and teeth to receive removable partial denture treatment - Principles of removable partial dentures design - Aesthetic and Functional considerations in removable partial dentures treatment - Materials used in the management of partially edentulous patients - Clinical and Laboratory Procedures involved in constructing Removable Partial Dentures

**Text Book**

<b>Title</b>	McCracken's Removable Partial Prosthodontics
<b>Author(s)</b>	Alan B. Carr and David T. Brown
<b>Edition</b>	13th Edition
<b>Short Name</b>	Ref 1
<b>Other Information</b>	Publisher: Elsevier

**Course References**

Short name	Book name	Author(s)	Edition	Other Information
Ref 2	Stewart's Clinical Removable Partial Prosthodontics	Rodney D. Phoenix, David R. Cagna, Charles F. DeFreest	4th Edition	Publisher: Quintessence Publishing Co Inc
Ref 3	Clinical Guide to Removable Partial Denture Design, Volume 1 and 2	Davenport C, Basker R M, Heath J R, Ralph J P, Glantz P O & Hammond P	1st Edition	Website: <a href="https://www.nature.com/bdj/">https://www.nature.com/bdj/</a>
Ref 4	Glossary of Prosthodontic Terms 9th edition	Academy of Prosthodontics	9th Edition	Website: <a href="https://www.academyofprosthodontics.org/lib_ap_articles_download/GPT9.pdf">https://www.academyofprosthodontics.org/lib_ap_articles_download/GPT9.pdf</a>

**Instructor**

<b>Name</b>	Dr. Abdelrahman Badarneh
<b>Office Location</b>	Irbid Dental Teaching Centre L2
<b>Office Hours</b>	
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**Class Schedule & Room**

Section 1:  
 Lecture Time: Tue : 08:30 - 09:30  
 Room: NG76

**Teaching Assistant**

Esra'A Athamneh Enathamneh@Just.Edu.Jo(), Dua'A Ailabouni Ddailabouni@Just.Edu.Jo(), Dr Rami Anshasi Rjanshasi@Just.Edu.Jo(), Dr Hanan Barham Hsbarham@Just.Edu.Jo(), Dr Sara Sarraj Snsarraj@Just.Edu.Jo()

**Tentative List of Topics Covered**

Weeks	Topic	References
Week 1	Introduction: The partially edentulous patient and Classification System	From <b>Ref 1</b> , From <b>Ref 2</b> , From <b>Ref 4</b>
Week 2	Concept of RPD and Surveying	From <b>Ref 1</b> , From <b>Ref 4</b>
Week 3	Major and Minor Connectors	From <b>Ref 1</b> , From <b>Ref 2</b>
Week 4	Rests	From <b>Ref 1</b> , From <b>Ref 2</b>
Week 5	Direct and Indirect Retainers	From <b>Ref 1</b> , From <b>Ref 2</b>

Week 6	Indirect retainers and Biomechanical Principles	From Ref 1
Week 7	RPD Framework Design Considerations	From Ref 1, From Ref 3
Weeks 8, 9	RPD Clinical and Laboratory Steps: First and Second Appointments	From Ref 1, From Ref 3
Weeks 10, 11	RPD Clinical And Laboratory Steps: Framework production, Try-in and Jaw Relation	From Ref 1, From Ref 2
Weeks 12, 13	RPD Clinical And Laboratory Steps: Altered Cast Technique, Processing and Insertion	From Ref 1, From Ref 2

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Describe the anatomy, histology, physiology and classifications of the partially edentulous arches [71.2 Scientific Knowledge and Cognitive Skills] [1L7K1]	7%	Mid Exam
Identify the different component parts and designs of the removable partial dentures [101.4 Scientific Knowledge and Cognitive Skills] [1L7K1]	10%	Mid Exam, Final Exam
Describe the clinical and technical procedures involved in removable partial dentures fabrication [151.3 Scientific Knowledge and Cognitive Skills] [1L7K1, 1L7S2]	15%	Mid Exam, Final Exam
Explain the rationale and limitations of the clinical and laboratory procedures involved in removable partial dentures fabrication [151.4 Scientific Knowledge and Cognitive Skills] [1L7K1]	15%	Mid Exam, Final Exam
Modify the clinical and technical procedures involved in removable partial dentures fabrication according to the patient's specific needs and demands [82.1 Person-Centred Care] [1L7S1, 1L7S2, 1L7S3, 1L7C4]	8%	Mid Exam, Final Exam
Perform safely and effectively, all the laboratory procedures and some of the clinical procedures involved in removable partial dentures fabrication [362.2 Person-Centred Care] [1L7S2, 1L7S3]	36%	Mid Exam, Final Exam
Apply guidelines related to the safe use and maintenance of lab equipment and instruments [23.2 Responsibility, Communication, Professionalism and Ethics] [1L7C2]	2%	Mid Exam, Final Exam
Communicate respectfully and clearly in oral, written, and nonverbal form with the instructor, referral, dental team, colleagues and lab technicians [23.1 Responsibility, Communication, Professionalism and Ethics] [1L7C2, 1L7C4]	2%	Mid Exam, Final Exam
Develop interpersonal skills and capacity to carry responsibility to work with others in organized team and accept participation in the peer review process [23.5 Responsibility, Communication, Professionalism and Ethics] [1L7C3]	2%	Final Exam
Develop the sense of guidance and goal directed searches of online resources to present materials requested for clinical or theoretical assignments [34.2 Critical Thinking, Problem Solving and Evidence-Based Practice] [1L7S3, 1L7C1]	3%	Final Exam

Relationship to Program Student Outcomes (Out of 100%)													
1.1 Scientific Knowledge and Cognitive Skills	1.2 Scientific Knowledge and Cognitive Skills	1.3 Scientific Knowledge and Cognitive Skills	1.4 Scientific Knowledge and Cognitive Skills	1.5 Scientific Knowledge and Cognitive Skills	1.6 Scientific Knowledge and Cognitive Skills	1.7 Scientific Knowledge and Cognitive Skills	2.1 Person-Centred Care	2.2 Person-Centred Care	2.3 Person-Centred Care	2.4 Person-Centred Care	3.1 Responsibility, Communication, Professionalism and Ethics	3.2 Responsibility, Communication, Professionalism and Ethics	3.3 Responsibility, Communication, Professionalism and Ethics
	7	15	25				8	36			2	2	

Relationship to NQF Outcomes (Out of 100%)							
L7K1	L7S1	L7S2	L7S3	L7C1	L7C2	L7C3	L7C4
39.5	2	27.5	21.5	1.5	3	2	3

Evaluation	
Assessment Tool	Weight
Mid Exam	50%
Final Exam	50%

Policy	
Professionalism:	<ul style="list-style-type: none"> <li>- Students are expected to be courteous to one another and the staff</li> <li>- Any difficulty or concern during the course should be passed directly to the course coordinator</li> <li>- Students are advised to contact the course coordinator directly or via email</li> </ul>

Lab Work	<ul style="list-style-type: none"> <li>- The working models should be marked with the students name and university number</li> <li>- Student ID labels are confirmed by assigned lab supervisor</li> <li>- The Lab work should be finished during the lab sessions, not allowed to finish your work at home</li> <li>- Completed work is handed in the assigned area in the lab</li> <li>- Marks are returned within one week of the assignment</li> <li>- Not-submitted work will not be marked</li> <li>- Make sure you have all of your instruments in the lab</li> <li>- You must leave your worktop as clean as possible</li> <li>- Marks are counted towards continuous assessment</li> <li>- Each student should set at the designated area</li> <li>- Cooperation and professionalism in the lab time are very helpful and encouraged to facilitate your progress in the course</li> <li>- Coordinating group work and positive participation is essential</li> </ul>
Laboratory Equipment	<p>This list will be checked during laboratory session. Please write or carve your name, university ID, and section number on your instruments</p> <ul style="list-style-type: none"> <li>- White lab coat and Lab coat name tag</li> <li>- Wire cutter, and Pliers - Adam?s and loop forming pliers</li> <li>- Name tag</li> <li>- Wax knife (long)</li> <li>- Le Cron wax carver</li> <li>- Rubber bowl (large ?thick walled)</li> <li>- Metal plaster spatula (flat-ended preferable)</li> <li>- Plaster Knife</li> <li>- Box-cutter or Surgical scalpel handle</li> <li>- Hot plate (paint scraper ? narrow - approx.10 cm wide)</li> <li>- Gas lighter/ matches</li> <li>- Color pencils</li> <li>- Pencil / pencil sharpener</li> <li>- Fine point permanent marker (CD marker, Sharpie) (blue/black)</li> <li>- Protective eye glasses</li> <li>- Short ruler (10 - 15 cm)</li> <li>- Tooth brush</li> <li>- Key ring name tag to be attached to articulator</li> <li>- Plastic keychain tag</li> <li>- Acrylic burs: Large pear-shaped, thin fissured (<math>\varnothing</math> 1.5 - 2.0 mm), medium round (<math>\varnothing</math> 2.0 - 3.0 mm)</li> <li>- Sandpaper mandrel</li> <li>- White/clear flat plastic or glass plate for setting of teeth</li> <li>- Brush flame / micro torch (optional)</li> <li>- Painting brush</li> </ul>
Make-up Exams	Applicable when an acceptable and valid excuse is presented at the applicable time
Cheating	<ul style="list-style-type: none"> <li>- Strictly prohibited, unethical and illegal by any means</li> <li>- JUST regulations will be applicable</li> <li>- The work should be your own, otherwise it will receive zero</li> </ul>
Attendance	<ul style="list-style-type: none"> <li>- It is mandatory for all lectures and laboratory sessions</li> <li>- Every student will be allocated to seat according to group assignments in the lab as approved by registration unit</li> <li>- Attendance is encouraged at all times on time/ Arrivals within 15 minutes of the start of class will be allowed</li> <li>- Substitutive labs schedules will be announced ONLY for those who missed scheduled labs by official holidays or late make-up/registration issues</li> </ul>
Absenteeism	<ul style="list-style-type: none"> <li>- To receive course credit, a student should attend a minimum of 90% of the contact hours of the class; meaning losing only one and a half lecture</li> <li>- Students who are absent for the lecture must contact the course coordinator prior to the class</li> <li>- If absent from lectures, then the course coordinator will refer to related guidelines set by the university</li> <li>- Acceptable medical or social statement explaining the illness or personal issues as instructed by the faculty are presented and approved by the specialized committee at the IRBED- health center</li> <li>- Individual instructors may accommodate by arrangements for a make-up test only when a written request is sent to and approved by the Dean</li> </ul>
Students with Special Needs	<ul style="list-style-type: none"> <li>- Any student who feels that s/he may need accommodation for any type of disability is encouraged to contact the course coordinator who will be happy to help in any way</li> <li>- Accommodations to the course plan can be tailored to the needs of specific individuals after consultations with the dean</li> </ul>
Graded exams	<ul style="list-style-type: none"> <li>- MCQs and OSPE will be computer based</li> <li>- Final Practical Exam: Hands-on</li> </ul>
Individual Conferencing and Consultations	<ul style="list-style-type: none"> <li>- The course coordinator is available to talk with the student when problems arise</li> <li>- If you have any problems that require the attention of an instructor, do not wait until the problem is insurmountable</li> <li>- If a student must talk with the course coordinator after office hours, an appointment can be made for that time</li> <li>- Do not allow tension to build-up to unsolvable problems</li> </ul>
Course Changes	<ul style="list-style-type: none"> <li>- The course coordinator reserves the right to add or delete material from courses and will endeavor to provide notice of changes to students as soon as possible</li> <li>- The timetable may also be revised accommodating to holidays and unexpected off days</li> </ul>

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